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Hitachi Storage Command Suite

# Hitachi Device Manager Software

## Error Codes

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Hitachi Data Systems

MK-92HC016-23

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# Preface

This document lists and describes the error codes and error messages that may be reported by the Hitachi Device Manager.

This preface includes the following information:

- Intended Audience
- Software Version
- Release Notes
- Document Revision Level
- Document Organization
- Referenced Documents
- Document Conventions
- Convention for Storage Capacity Values
- Getting Help
- Comments

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## Intended Audience

This document is intended for users who manage systems containing storage subsystems (disk array devices). Such users should have a basic knowledge of:

- Data processing and peripheral storage device subsystems and their basic functions,
- Hitachi Device Manager and the operating systems (OS) on which it operates (e.g., Windows, Solaris and Red Hat Linux for Device Manager server; Windows, Solaris, AIX, HP-UX, Red Hat Linux and SUSE LINUX for Device Manager agents),
- Relevant operating systems (if using the Device Manager Web Client), such as Windows, Solaris, HP-UX, or Red Hat Linux,
- Relevant operating systems (if using Device Manager CLI), such as Windows, Solaris, AIX, HP-UX, or Red Hat Linux,
- Relevant operating systems (if using Device Manager CLIEX), such as Windows, Solaris, or AIX,
- Management tools appropriate to the individual storage subsystem (e.g., Storage Navigator for Universal Storage Platform and Lightning 9900V, DAMP for Thunder 9500V), and
- SANs (storage area networks).

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## Software Version

This document revision applies to Hitachi Device Manager version 6.4.

## Release Notes

Release notes can be found on the documentation CD. Release notes contain requirements and more recent product information that may not be fully described in this manual. Be sure to review the release notes before installation.

## Document Revision Level

| Revision | Date | Description |
|---|---|---|
| MK-92HC016-00 | November 2002 | Initial Release |
| MK-92HC016-01 | May 2003 | Revision 1, supersedes and replaces MK-92HC016-00 |
| MK-92HC016-02 | September 2003 | Revision 2, supersedes and replaces MK-92HC016-01 |
| MK-92HC016-03 | February 2004 | Revision 3, supersedes and replaces MK-92HC016-02 |
| MK-92HC016-04 | April 2004 | Revision 4, supersedes and replaces MK-92HC016-03 |
| MK-92HC016-05 | August 2004 | Revision 5, supersedes and replaces MK-92HC016-04 |
| MK-92HC016-06 | October 2004 | Revision 6, supersedes and replaces MK-92HC016-05 |
| MK-92HC016-07 | February 2005 | Revision 7, supersedes and replaces MK-92HC016-06 |
| MK-92HC016-08 | June 2005 | Revision 8, supersedes and replaces MK-92HC016-07 |
| MK-92HC016-09 | July 2005 | Revision 9, supersedes and replaces MK-92HC016-08 |
| MK-92HC016-10 | November 2005 | Revision 10, supersedes and replaces MK-92HC016-09 |
| MK-92HC016-11 | February 2006 | Revision 11, supersedes and replaces MK-92HC016-10 |
| MK-92HC016-12 | May 2006 | Revision 12, supersedes and replaces MK-92HC016-11 |
| MK-92HC016-13 | November 2006 | Revision 13, supersedes and replaces MK-92HC016-12 |
| MK-92HC016-14 | February 2007 | Revision 14, supersedes and replaces MK-92HC016-13 |
| MK-92HC016-15 | June 2007 | Revision 15, supersedes and replaces MK-92HC016-14 |
| MK-92HC016-16 | October 2007 | Revision 16, supersedes and replaces MK-92HC016-15 |
| MK-92HC016-17 | January 2008 | Revision 17, supersedes and replaces MK-92HC016-16 |
| MK-92HC016-18 | May 2008 | Revision 18, supersedes and replaces MK-92HC016-17 |
| MK-92HC016-19 | February 2009 | Revision 19, supersedes and replaces MK-92HC016-18 |
| MK-92HC016-20 | July 2009 | Revision 20, supersedes and replaces MK-92HC016-19 |
| MK-92HC016-21 | October 2009 | Revision 21, supersedes and replaces MK-92HC016-20 |
| MK-92HC016-22 | December 2009 | Revision 22, supersedes and replaces MK-92HC016-21 |
| MK-92HC016-23 | June 2010 | Revision 23, supersedes and replaces MK-92HC016-22 |

# Document Organization

The following table provides an overview of the contents and organization of this document. Click the chapter title in the left column to go to that chapter. The first page of each chapter provides links to the sections in that chapter.

| Chapter | Description |
|---|---|
| Hitachi Device Manager Messages | Describes the error messages for Device Manager server, Device Manager Web Client, Device Manager Agent, Device Manager VDS Provider, Device Manager CLI, and Device Manager CLIEX. |
| Universal Storage Platform V/VM Messages | This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Universal Storage Platform V/VM. |
| Hitachi USP Messages | This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Hitachi USP. |
| Lightning 9900V series Messages | This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for the Lightning 9900V series. |
| Lightning 9900 Messages | This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Lightning 9900. |
| Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V series, and Thunder 9200 series Messages | This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200. |
| Alerts Produced by Hitachi Device Manager Software | Outputs alerts to the event log or to the syslog file on the Device Manager Server. This chapter lists and describes those alerts. |
| Error Messages from the Hitachi Storage Command Suite Common Component | Lists and describes the error messages output by the Hitachi Storage Command Suite Common Component. |
| Error Messages from HiRDB | Lists and describes the error messages output by the HiRDB. |
| Troubleshooting | Provides resources for troubleshooting Device Manager. |
| Acronyms and Abbreviations | Defines the acronyms and abbreviations used in this document. |

# Referenced Documents

The following Hitachi referenced documents can be found on the applicable Hitachi documentation CD:

Hitachi Storage Command Suite:

- Hitachi Device Manager Server Configuration and Operation Guide, MK-08HC157
- Hitachi Storage Command Suite Server Installation Guide, MK-98HC150
- Hitachi Device Manager Command Line Interface (CLI) User's Guide, MK-91HC007
- Hitachi Device Manager Agent Installation Guide, MK-92HC019

Hitachi Enterprise Storage Systems documents:

- User and Reference Guide for USP, MK-94RD231
- Hitachi Lightning 9900V Series User and Reference Guide, MK-92RD100
- Hitachi Lightning 9900 User and Reference Guide, MK-90RD008

Hitachi Modular Storage Systems documents:

- Hitachi Thunder 9500 V Series User and Reference Guide, MK-92DF601
- Hitachi Thunder 9200 User and Reference Guide, MK-90DF504

Other Hitachi documents:

- Hitachi Device Manager Server XML API Manual, MK-91HC008

# Document Conventions

This document uses the following typographic conventions:

| Convention | Description |
|---|---|
| **Bold** | Indicates text on a window, other than the window title, including menus, menu options, buttons, fields, and labels. Example: Click **OK**. |
| *Italic* | Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: copy *source-file target-file*<br>***Note:*** Angled brackets (< >) are also used to indicate variables. |
| screen/code | Indicates text that is displayed on screen or entered by the user.<br>Example: `# pairdisplay -g oradb` |
| < > angled brackets | Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: `# pairdisplay -g <group>`<br>***Note:*** Italic font is also used to indicate variables. |
| [ ] square brackets | Indicates optional values. Example: [ a \| b ] indicates that you can choose a, b, or nothing. |
| { } braces | Indicates required or expected values. Example: { a \| b } indicates that you must choose either a or b. |
| \| vertical bar | Indicates that you have a choice between two or more options or arguments. Examples:<br>[ a \| b ] indicates that you can choose a, b, or nothing.<br>{ a \| b } indicates that you must choose either a or b. |

This document uses the following icons to draw attention to information:

| Icon | Label | Description |
|---|---|---|
| | Note | Calls attention to important and/or additional information. |
| | Tip | Provides helpful information, guidelines, or suggestions for performing tasks more effectively. |
| | Caution | Warns the user of adverse conditions and/or consequences (e.g., disruptive operations). |
| | WARNING | Warns the user of severe conditions and/or consequences (e.g., destructive operations). |

## Convention for Storage Capacity Values

Physical storage capacity values (e.g., disk drive capacity) are calculated based on the following values:

| Physical Capacity Unit | Value |
|---|---|
| 1 KB | 1,000 bytes |
| 1 MB | $1,000^2$ bytes |
| 1 GB | $1,000^3$ bytes |
| 1 TB | $1,000^4$ bytes |
| 1 PB | $1,000^5$ bytes |
| 1 EB | $1,000^6$ bytes |

Logical storage capacity values (e.g., logical device capacity) are calculated based on the following values:

| Logical Capacity Unit | Value |
|---|---|
| 1 KB | 1,024 ($2^{10}$) bytes |
| 1 MB | 1,024 KB or $1,024^2$ bytes |
| 1 GB | 1,024 MB or $1,024^3$ bytes |
| 1 TB | 1,024 GB or $1,024^4$ bytes |
| 1 PB | 1,024 TB or $1,024^5$ bytes |
| 1 EB | 1,024 PB or $1,024^6$ bytes |
| 1 BLOCK | 512 BYTES |

## Getting Help

The Hitachi Data Systems Support Center staff is available 24 hours a day, seven days a week. To reach us, please visit the support Web site for current telephone numbers and other contact information: http://www.hds.com/services/support/. If you purchased this product from an authorized HDS reseller, contact that reseller for support.

Before calling the Hitachi Data Systems Support Center, please provide as much information about the problem as possible, including:

- The circumstances surrounding the error or failure.
- The exact content of any error message(s) displayed on the host system(s).

# Comments

Please send us your comments on this document: doc.comments@hds.com. Include the document title, number, and revision, and refer to specific section(s) and paragraph(s) whenever possible.

***Thank you!*** (All comments become the property of Hitachi Ltd., Hitachi Data Systems Corporation.)

# 1

# Hitachi Device Manager Messages

This chapter describes the error messages for the Hitachi Device Manager server, Web Client, Agent, VDS Provider, CLI, and CLIEX.


- ☐ Device Manager Server Messages
- ☐ Device Manager Web Client Messages
- ☐ Device Manager Agent Messages
- ☐ Device Manager Agent's Provisioning Manager Messages
- ☐ Device Manager Agent's Replication Manager Messages
- ☐ Device Manager VDS Provider Messages
- ☐ Device Manager CLI Messages
- ☐ Device Manager CLIEX Messages

# Device Manager Server Messages

Hitachi Device Manager displays error messages when errors occur. All error notifications, including Server errors, are displayed at the Hitachi Device Manager client (e.g., Web Client, CLI, third-party application). The error message includes:

- **Error code:** The error code range indicates the type of error (see Table 1-1). The error code indicates the specific error condition.
- **Error level:** The error level indicates the severity of the error:

  **I:** Non-error information
  **W:** Warning
  **E:** Error

- **Description:** The error description provides information on the error condition.

**Table 1-1 Server Error Code Ranges**

| Error Code Range | Description | See: |
|---|---|---|
| KAIC00000-KAIC00999 | Device Manager Server (SRV) errors. | Table 1-2 |
| KAIC01000-KAIC01999 | Translation errors (HTTP, XML format). | Table 1-3 |
| KAIC02000-KAIC02999 | Security (SEC) layer errors (user authentication, etc.). | Table 1-4 |
| KAIC03000-KAIC03999 | Database errors. | Table 1-5 |
| KAIC04000-KAIC04999 | Network errors. | Table 1-6 |
| KAIC05000-KAIC05999 | Transport errors. | Table 1-7 |
| KAIC06000-KAIC06999 | Storage array errors (SNMP, etc.). | Table 1-8 |
| KAIC07000-KAIC08999 | Command (Agent) errors. | Table 1-9 |
| KAIC09000-KAIC09999 | CIM/WBEM errors. | Table 1-10 |
| KAIC30000-KAIC39999 | Trace messages | Table 1-11 |

***Note:*** Variable parameters in the error description are represented as *"parameter"* or *"value"*. These parameters or values are replaced in the message by the appropriate parameter or value. For example, "*name*" in the message "`Duplicate name error, "`*name*"` already exists in the collection`" is replaced with the name that was duplicated.

The tables shown below list Hitachi Device Manager server error messages, and provide recommended actions for resolving those errors. The error messages are listed in numerical order of their error code. For errors whose recommended action is "Contact the Support Center", first collect maintenance information by executing the `hcmdsgetlogs` command, and then contact the Hitachi Data Systems Support Center (see Calling the Hitachi Data Systems Support Center for contact information).

**Table 1-2 KAIC00000-KAIC00999: Hitachi Device Manager Server Errors**

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00000-E | An unspecified error was encountered. | Contact the Support Center. |
| KAIC00001-E | An unspecified server error was encountered. | |
| KAIC00002-E | An error occurred in initializing the Device Manager Server. | See the server "error.log" for additional details. |
| KAIC00003-E | The servlet instance is invalid. | A request referenced a servlet not supported by Device Manager. |
| KAIC00004-E | The transfer request format is incorrect. | The transfer request format is invalid; correct the format, and then retry. |
| KAIC00100-E | Server initialization error: an invalid HTTP port number "*port-number*" has been specified. | Check the Device Manager Server manual, confirm the value of "server.properties", and restart the Device Manager Server. |
| KAIC00101-E | Server initialization error: an invalid HTTPS port number "*port-number*" has been specified. | |
| KAIC00102-E | Server initialization error: an invalid document root directory "*directory-name*" has been specified. | |
| KAIC00103-E | Server initialization error: an invalid bind address "*bind-address*" has been specified. | |
| KAIC00104-E | Server initialization error: an unsupported JRE version "*JRE-version*" has been specified. | Make sure the version is JRE version, and restart Device Manager Server. |
| KAIC00105-E | Server initialization error: Unable to load Servlet v2.2 classes. | Make sure the servlet (JSDK v2.2+) can be loaded. |
| KAIC00106-E | Server initialization error: Unable to load SNMP classes. | Make sure the Sun SNMP (JDMK) classes can be loaded and restart the Device Manager Server. |
| KAIC00107-E | Server initialization error: An attempt to load Service Modules has failed. | The direct cause of this error is the immediately preceding error. Carry out the recommended action for that error. If this error continues to occur even after performing the action, or if these actions are inapplicable, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00108-E | Server initialization error: An error occurred while the entry "*entry-name*" was loaded in the Device Manager Server KeyStore. | Contact the Support Center. |
| KAIC00110-E | An attempt to start Server failed: Serious errors occurred checking or updating the database. | |
| KAIC00112-E | The maximum number of connection threads, "*number-specified-for-maxThreads*", was exceeded. | Check the Device Manager Server manual, confirm the value of "server.properties", and restart the Device Manager Server. |
| KAIC00113-E | An attempt to construct ServiceConnection failed. | Contact the Support Center. |
| KAIC00114-E | An attempt to start the HTTP server on port "*port-number*" failed. | Check "server.http.port" in "server.properties". |
| KAIC00115-E | An attempt to start the HTTPS server on port "*port-number*" failed. | Check "server.https.port" in "server.properties". |
| KAIC00116-E | Server initialization error: The IP address of localhost is unsolvable. | Contact the Support Center. |
| KAIC00120-E | The config file "server.properties" cannot be read. | Check "server.properties", and restart the Device Manager Server. |
| KAIC00121-E | Unable to read servlet config file "servlet.properties". | Check "servlet.properties", and restart the Device Manager Server. |
| KAIC00123-E | The MIME types file cannot be read. | Check "mime.properties", and restart the Device Manager Server. |
| KAIC00124-E | During an attempt to change the user, group or root directory, and error occurred with the message "*error-message*". | Contact the Support Center. |
| KAIC00125-E | An attempt to read the configuration file "product.properties" has failed. | Check the configuration file "product.properties", and then restart the Device Manager Server. |
| KAIC00126-E | An attempt to read the configuration file "*file-name*" has failed. Error detail : "*error-details*". | Remove the cause of the error, and then restart the Device Manager Server. If this error continues to occur even after performing the action, contact the Support Center. |
| KAIC00150-E | An attempt to find the entry "*entry-name*" in the Device Manager Server KeyStore has failed. | The Device Manager Server KeyStore must be present and contain at least one entry to run the Device Manager Server in secure mode. |
| KAIC00180-E | Common Component is not installed. | Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00181-E | An attempt to set the installation destination of Common Component has failed. | Check "server.base.home" in "server.properties", and contact the Support Center. |
| KAIC00182-E | An attempt to acquire the Common Component address has failed. ("*method-name*") | Contact the Support Center. |
| KAIC00183-E | An error occurred in initializing the Provisioning Manager. ("*method-name*") | |
| KAIC00184-E | A directory necessary for storage subsystem management does not exist. The Device Manager environment is invalid. (directory name = *directory-name*) | |
| KAIC00300-E | An attempt to bind the port "*port-number*" for receiving the SNMP Trap has failed. This port is being used by other software. | Terminate any other software using this port, or set 'false' for "server.dispatcher.daemon.receiveTrap" in the "dispatcher.properties" file, and restart Device Manager Server. |
| KAIC00405-E | An unexpected error occurred in the email notification functionality. | Contact the Support Center. |
| KAIC00407-E | An email send error occurred. (unsent email = (recipient email address = "*recipient-email-address*"), Alert = (messageID = "*alert-ID*", number = "*number*", type = "*type*", source = "*source*", severity = "*severity*", component = "*component*", description = "*description*", actionToTake = "*action-to-take*", data = "*data*", timeOfAlert = "*time-of-alert*")) | Make sure the following environment related items are correct:<br>▪ Status and settings of the SMTP server<br>▪ Status of the network |
| KAIC00408-E | An attempt to connect to the SMTP server has failed. (SMTP server = (host = "*hostname-or-IP-address*", port = "*port-number*"), unsent email = (recipient email address = "*recipient-email-address*"), Alert = (messageID = "*alert-ID*", number = "*number*", type = "*type*", source = "*source*", severity = "*severity*", component = "*component*", description = "*description*", actionToTake = "*action-to-take*", data = "*data*", timeOfAlert = "*time-of-alert*")) | Make sure the following items related to the environment and the sending of email are correct:<br>▪ Property settings for sending email<br>▪ Status and settings of the SMTP server<br>▪ Status of the network |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00409-E | A connection to the SMTP server could not be established because authentication failed. (SMTP server = (host = "*hostname-or-IP-address*", port = "*port-number*"), unsent email = (recipient email address = "*recipient-email-address*"), Alert = (messageID = "*alert-ID*", number = "*number*", type = "*type*", source = "*source*", severity = "*severity*", component = "*component*", description = "*description*", actionToTake = "*action-to-take*", data = "*data*", timeOfAlert = "*time-of-alert*")) | Change the SMTP server settings so that the relevant user can be authenticated. Also, use the command for setting the SMTP authentication user information to set the SMTP authentication user information (user ID and password). |
| KAIC00410-E | The value specified for a property is incorrect. The system will use the default value for the property. (file name = "*file-name*", property name = "*property-name*", specified value = "*specified-value*", default value = "*default-value*") | If the default value does not cause any problems, no further action is required. If you specify a value different from the default value, make sure that the property settings are correct, and then restart the Device Manager server. |
| KAIC00411-E | Authentication information for connecting to the SMTP server has not been set. The email will be sent without SMTP authentication. | Set the SMTP authentication user information (user ID and password) by using the hdvmmodmailuser command. If SMTP authentication is not required for the email, no further action is required. |
| KAIC00412-E | The recipient email address is invalid. (user ID = "*user-ID*", recipient email address = "*recipient-email-address*") The email will not be sent to this user ID. | Specify a valid address by using the user management functionality's **Edit Profile** dialog box. |
| KAIC00413-E | The template file was not found. (template file path name = "*template-file-path-name*") The default template file will be used to send the email. | Check whether the template file indicated in the message exists. If you use the default template file, no further action is required. |
| KAIC00414-E | An error occurred while the template file was being loaded. (template file path name = "*template-file-path-name*", detailed information = "*detailed-information*") The default template file will be used to send the email. | Remove the cause of the error according to the detailed information. If you use the default template file, no further action is required. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00415-E | The size of the template file is too large. (template file name = "*template-file-name*", template file size (bytes) = "*template-file-size-in-bytes*", maximum file size (bytes) = "*maximum-file-size-in-bytes*") The default template file will be used to send the email. | Revise the contents of the template file, and reduce the file size. If you use the default template file, no further action is required. |
| KAIC00416-E | An invalid header exists. (template file name = "*template-file-name*", line number = "*line-number*", header name = "*header-name*") The default template file will be used to send the email. | Revise the characters used in the header name specified in the template file. If you use the default template file, no further action is required. |
| KAIC00417-E | A header has not been specified. (template file name = "*template-file-name*", header name = "*header-name*") The default template file will be used to send the email. | Revise the headers specified in the template file. If you use the default template file, no further action is required. |
| KAIC00418-E | The same header name is duplicated. (template file name = "*template-file-name*", line number = "*line-number*", header name = "*header-name*") The default template file will be used to send the email. | |
| KAIC00419-E | The header section in the template file contains an invalid line. The name and contents of a header must be separated with a colon (:). (template file name = "*template-file-name*", line number = "*line-number*") The default template file will be used to send the email. | |
| KAIC00420-E | In the template file, the size of a line is too large. (template file name = "*template-file-name*", line number = "*line-number*", detected line size (bytes) = "*detected-line-size-in-bytes*", maximum line size (bytes) = "*maximum-line-size-in-bytes*") The default template file will be used to send the email. | Revise the contents of the template file to reduce the line size. If the default template file is used, no action is required. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00422-E | The user ID entered for SMTP authentication is invalid. | Enter a valid user ID for SMTP authentication, using from 1 to 64 characters. Specifiable characters for an SMTP authentication user ID are as follows:<br>A to Z, a to z, 0 to 9,<br>and the following characters:<br>- _ . , @ ! # $ % & ' * + = ? ^ \| |
| KAIC00423-E | The password entered for SMTP authentication is invalid. | When specifying a password for SMTP authentication, enter a valid password using from 0 to 64 characters. Specifiable characters for the SMTP authentication password are as follows:<br>A to Z, a to z, 0 to 9,<br>and the following characters:<br>- _ . , @ ! # $ % & ' * + = ? ^ \|<br>The password can be omitted. |
| KAIC00424-E | The user ID or password of Device Manager is invalid. | Specify the correct user ID and password. |
| KAIC00425-E | The entered Device Manager user does not have permission to execute the command. | When executing the command, make sure the Device Manager user has the Admin permission. |
| KAIC00426-E | An internal error occurred. | Contact the Support Center. |
| KAIC00427-E | The command syntax is invalid. | Revise the command syntax. |
| KAIC00428-E | In the template file, there is no blank line to indicate the end of the header section. (template file name = "*template-file-name*") | Add a blank line at the end of the header section. If the default template file is used, no action is required. |
| KAIC00500-E | The request contained improperly formatted data. | Correct the request, and then retry. |
| KAIC00501-E | The device is not supported by Device Manager Server. Explanation = "*subsystem*". | Confirm that the IP Address in the request is correct. It is also possible that a configuration error exists in the subsystem. |
| KAIC00504-E | "*specified-name*" is a reserved name and cannot be used as a top-level logical group name. | The CLI or another client has tried to use a reserved group name (e.g., Unallocated). You cannot use the names "Unallocated" or "LUN Scan" for a top-level logical group. |
| KAIC00505-E | The Device Manager server does not support the specified array family. | Check the array family. |
| KAIC00506-E | Simultaneous LUN Scans of the subsystem are not allowed. | Only one LUN Scan can be performed on a storage array at a time. Make sure that only one Device Manager Server is actively managing the subsystem. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00507-E | The command "*command-name*" is not supported under this API version. | Check the Device Manager Server XML API manual and make sure that the running API version supports the command. |
| KAIC00508-E | The command "*command*" is not supported for the array family "*family-name*" under this API version. | |
| KAIC00509-E | This Device Manager Server does not support the API version "*version*". | |
| KAIC00510-E | The family of the target storage is not "*storage-family*". | Make sure that the specification is valid. |
| KAIC00511-E | The definition of storage name "*storage-name*" is invalid. | Make sure the storage name relations in the config files are valid. |
| KAIC00513-E | The servlet name "*xml-servlet-name*" in the request does not match the specified servlet name "*specified-servlet-name*". | Make sure that the servlet name in the request is same as the specified servlet name. |
| KAIC00514-E | The command "*specified API name*" is not supported by the Device Manager Server. | Check the Device Manager Server XML API manual and make sure that the running API supports the command. |
| KAIC00515-E | The executed command "*command-name*" does not support the specified array family in this API version. | Find out which API versions support this command. |
| KAIC00530-E | Device Manager Server does not support the operation by API version "*version*" for this subsystem. | Check the Device Manager Server XML API manual and make sure that the running API version supports the command. |
| KAIC00600-E | An internal server error occurred. | If this problem persists, contact the Support Center. |
| KAIC00601-E | An invalid parameter of a managed object was detected. | Make sure that the objects are valid. |
| KAIC00604-E | An attempt to initialize the Common Component Logger has failed. | Make sure that the Common Component is installed. |
| KAIC00700-E | An internal server error occurred. | Contact the Support Center. |
| KAIC00800-E | An internal error occurred. | |
| KAIC00801-E | An internal error occurred. | |
| KAIC00802-E | An internal error occurred while Dynamic Link Manager was starting. | |
| KAIC00805-E | An internal error occurred while NAS Manager was starting. | |
| KAIC00806-E | An attempt to start NAS Manager has failed. | If this problem persists, contact the Support Center. |
| KAIC00807-E | An attempt to start has failed. | Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00809-E | The specified program cannot start because of a communication failure with the host agent. | If this problem persists, contact the Support Center. |
| KAIC00810-E | The parameter "*parameter-name*", which is required to start the specified program, is missing. | Contact the Support Center. |
| KAIC00811-E | An error occurred in Common Component. Device Manager cannot be started. | |
| KAIC00812-E | A file access error occurred. Device Manager cannot be started. | |
| KAIC00813-E | An attempt to connect the device at IP Address "*IP-address*" has failed. NAS Manager cannot be started. | Check the state of the network and the device. |
| KAIC00814-E | The correct IP address for the device is not found. NAS Manager cannot be started. | Contact the Support Center. |
| KAIC00816-E | An I/O error occurred. Device Manager cannot be started. | Check the operating environment. If this problem persists, contact the Support Center. |
| KAIC00817-E | Startup cannot be performed because an I/O error occurred. | |
| KAIC00818-E | An I/O error occurred. NAS Manager cannot be started. | |
| KAIC00819-E | The startup method for "*Function the user tried to execute*" is invalid. | Use Device Manager Web Client to start "*Function the user tried to execute*". |
| KAIC00820-E | Settings for linking with program-name(Disk Array Management Program or Storage Navigator Modular) are invalid. | Revise the settings for linking with program-name(Disk Array Management Program or Storage Navigator Modular) by referring to the Device Manager Server manual. If this problem persists, contact the Support Center. |
| KAIC00821-E | An internal error occurred while Disk Array Management Program was starting. | Contact the Support Center. |
| KAIC00822-E | An attempt to start Disk Array Management Program has failed. The Disk Array Management Program service might not be running correctly, or a setting in the launchapp.properties file might be incorrect, or a setting related to the Disk Array Management Program network might be incorrect. | Make sure the Disk Array Management Program service is running correctly, the settings in the launchapp.properties file are correct, and the settings related to the Disk Array Management Program network are correct. Also, if the Storage Navigator Modular service is running, stop it. If the error continues to occur after you perform these actions, or if the actions do not apply, contact the Support Center. |
| KAIC00823-E | Disk Array Management Program could not be started because an I/O error occurred. | Check the operating environment. If this problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00824-E | An attempt to delete registered unit information from Disk Array Management Program has failed. | Contact the Support Center. |
| KAIC00825-E | The launch parameter is invalid. | |
| KAIC00826-E | A Disk Array Management Program server error occurred. (error code = "*Error Code from DAMP Server*", error message = "*Error Message of DAMP server error code*") | |
| KAIC00827-E | A setting for using "Disk Array Management Program" has not been made or is invalid. The corresponding storage subsystem is not registered or is incorrectly registered with Disk Array Management Program. To use "Disk Array Management Program", a setting for linking with Disk Array Management Program is necessary. Confirm that the corresponding storage subsystem is correctly registered in Disk Array Management Program. | Reference the Device Manager Server manual and revise the settings for linking with related products. If this problem persists, contact the Support Center. |
| KAIC00828-E | Startup cannot be performed because a refresh has not been executed for the storage subsystem. | Refresh the storage subsystem. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00829-E | An internal error occurred while Storage Navigator Modular was starting. | Contact the Support Center. |
| KAIC00830-E | An unexpected error occurred while Storage Navigator Modular was starting. | |
| KAIC00831-E | An error occurred in the Storage Navigator Modular. (error code = "*error code from Storage Navigator Modular Server*", error message = "*error message for Storage Navigator Modular error code*") | |
| KAIC00832-E | A setting for using "*function name(Physical View or Storage Navigator Modular)*" has not been made or is invalid. The corresponding storage subsystem is not registered or is incorrectly registered with Storage Navigator Modular. To use "*function name(Physical View or Storage Navigator Modular)*", a setting for linking with Storage Navigator Modular is necessary. Confirm that the corresponding storage subsystem is correctly registered in Storage Navigator Modular. | Reference the Device Manager Server manual and revise the settings for linking with related products. If this problem persists, contact the Support Center. |
| KAIC00833-E | An attempt to start Storage Navigator Modular has failed. The Storage Navigator Modular service might not be running correctly, or a setting in the launchapp.properties file might be incorrect, or a setting related to the Storage Navigator Modular network might be incorrect. | Make sure the Storage Navigator Modular service is running correctly, the settings in the launchapp.properties file are correct, and the settings related to the Storage Navigator Modular network are correct. Also, if the Disk Array Management Program service is running, stop it. If the error continues to occur after you perform these actions, or if the actions do not apply, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00834-E | A setting for using "*function name(Physical View or Storage Navigator Modular)*" has not been made or is invalid. Storage Navigator Modular cannot be accessed (URL="*access URL*"). To use "*function name(Physical View or Storage Navigator Modular)*", a setting for linking with Storage Navigator Modular is necessary. Revise the access URL and alias settings. Specify the Storage Navigator Modular URL for the launchapp.damp.url property in the launchapp.properties file. To set alias information, execute the alias information setting command (HWSAlias). To apply the settings, restart Common Component and Device Manager Server. | Reference the Device Manager Server manual and revise the settings for linking with related products. If this problem persists, contact the Support Center. |
| KAIC00835-E | The target storage subsystem does not support launching. (microcode version = "*microcode version*") | Check the version of the storage subsystem microcode. |
| KAIC00836-E | The registration for the linking functions failed (cause="*cause*"). Check again after some time. | Access to the storage subsystem may be in conflict. Please wait and then retry the operation. If this error continues to occur, the value set for `server.http.host` in the `server.properties` file might be invalid. Refer to the Device Manager Server manual and, if necessary, revise the value set for `server.http.host`. If you change the setting, restart the Device Manager server. If this problem still occurs after these actions, contact the Support Center. |
| KAIC00837-E | The launch has failed. No more launch users can be registered because the maximum number of launch users has already been registered in the specified storage subsystem. | Delete unnecessary users from storage subsystem, and then retry the operation. |
| KAIC00838-E | The launch has failed. A user ID that is the same as the launch user ID is already registered in the storage subsystem. | Delete the already registered user ID from the storage subsystem, and then retry the operation. |
| KAIC00839-E | An internal error occurred while Storage Navigator was starting. | Contact the Support Center. |
| KAIC00840-E | The launch has failed. The configuration of purchasable optional features on the storage subsystem might have changed. | Refresh the storage subsystem, and then try again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00841-E | The launch has failed. Storage Navigator Modular (for Web) set for linking does not support the specified subsystem. | Check the version of Storage Navigator Modular (for Web). |
| KAIC00843-E | The launch has failed. Based on the current Device Manager server settings, the specified subsystem cannot be launched. | If the specified storage subsystem is managed using an IPv6 IP address, specify the IPv6 IP address or host name for the "server.http.host" property in the "server.properties" file. |
| KAIC00850-E | An attempt to read a file has failed. The file does not exist or you do not have read permission for it. (file path = "*file path*") | Make sure that the file exists and that you have read permission for it, and then execute the setup tool again. |
| KAIC00851-E | An attempt to create a temporary file has failed. You do not have write permission or disk space is insufficient. (file path = "*file path*") | Make sure that you have write permission and that disk space is sufficient, and then execute the setup tool again. |
| KAIC00852-E | Configuration of the remote connection settings for the DBMS has failed. Disk space is insufficient. | Make sure disk space is sufficient, and then execute the setup tool again. |
| KAIC00853-E | Configuration of the remote connection settings for the DBMS has failed. An internal error occurred. | Contact the Support Center. |
| KAIC00854-E | Configuration of the remote connection settings for the DBMS has failed. Execution of an internal command failed. (executed command = "*executed command*") | |
| KAIC00855-E | An error occurred while a value was being entered from standard input. | Execute the setup tool again. |
| KAIC00856-E | An internal error occurred while executing the Tuning Manager connection setup tool. | Contact the Support Center. |
| KAIC00857-E | An internal error occurred while processing to set up database users for other suite products. | |
| KAIC00858-E | Configuration of the remote connection settings for the DBMS has failed. Execution of an internal command failed. (executed command = "*executed command*", exit code = "*exit code*", command message = "*command message*") | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00859-E | Configuration of the remote connection settings for the DBMS has failed. The Common Component service is running. | Stop the Common Component service, and then execute the setup tool again. |
| KAIC00860-E | The storage array was not found in the Device Manager database. | Check the coding of storage array. |

## Table 1-3 KAIC01000-KAIC01999: Translation Errors (HTTP, XML format)

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIC01000-E | An unspecified XML translation error was encountered. | Contact the Support Center. |
| KAIC01001-E | XML translation error: An error occurred parsing the XML: "*XML-parser-error-message*". | Check the request code. |
| KAIC01003-E | XML translation error: Posted entity is not XML. | |
| KAIC01011-E | "*attribute-value*" is not a valid value for parameter "*attribute-name*". Enter a parameter of the "*attribute-data-type*" type. | Correct the value of "*attribute-data-type*", and then retry. |
| KAIC01012-E | XML translation error: An internal error occurred. | Contact the Support Center. |
| KAIC01013-E | An invalid element "*element-name*" was specified in the XML request. | Check the request code. |
| KAIC01014-E | An invalid parameter "*parameter-name*" was specified in the XML request element "*element-name*". | |
| KAIC01015-E | An invalid value was specified for the parameter "*parameter-name*" in the XML request element "*element-name*". | |
| KAIC01016-E | An invalid child element "*child-element-name*" was specified in the XML request element "*parent-element-name*". | |
| KAIC01017-E | An attempt to execute a request has failed. Under the current license, the user who made the request does not have permission to execute commands. | Execute this command as a user who has Core License permissions. |
| KAIC01018-E | An attempt to execute a request has failed. Under the current license, the specified command cannot be executed. | This command can only be executed when using the Full License. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIC01019-E | The license is invalid. | Specify either the Full License or Core License. |
| KAIC01021-E | The format of command option 2 is incorrect. | Revise the request, and then retry the operation. |
| KAIC01022-E | The name "*option-name*" is specified twice for command option 2. | |

## Table 1-4 KAIC02000-KAIC02999: Security Layer Errors: User Authentication, Etc

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC02001-E | Duplicate user group names are not allowed. | Make sure that the user group name is not a duplicate, and then retry. |
| KAIC02002-E | The user group was not found in the Device Manager database. | Make sure that the user group name exists in the Device Manager database, and then retry. |
| KAIC02004-E | The rule was not found in the Device Manager database. | Check the ACL ruleID. |
| KAIC02006-E | The user ID or the password is incorrect. | Make sure that the user ID and the password exist. |
| KAIC02007-E | Duplicate user IDs are not allowed. | A duplicate user ID cannot be registered into the Device Manager ACL database. Change the user ID. |
| KAIC02009-E | The record was not found in the Device Manager database. | This is an informational message only. No additional action is required. |
| KAIC02010-E | Duplicate records are not allowed. | |
| KAIC02011-E | The user "*user-ID*" has an active request, and cannot be deleted. | Try to delete the user once the operation completes. |
| KAIC02012-E | The specified user group cannot be added under this API version. | Check the Device Manager Server XML API manual and make sure the running API version supports the command. |
| KAIC02013-E | The specified user cannot be added under this API version. | |
| KAIC02014-E | Access permission error. | Check the access permission of the user. |
| KAIC02015-E | An internal error occurred during user authority checking. | Contact the Support Center. |
| KAIC02016-E | The specified logical group is already being used by another user group. | Specify another logical group, and then retry. |
| KAIC02017-E | The specified user group is already associated with another logical group. | Remove the old association, and then retry. |
| KAIC02018-E | A user is already registered in the specified user group. | Remove all users from this user group, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC02019-E | A user group is registered under the specified logical group. | Remove all user groups under the specified logical group, and then retry. |
| KAIC02020-E | A user group is registered in the specified logical group. | Create a new logical group, and then add a path in the logical group. |
| KAIC02021-E | The specified object ID "*ObjectID*" was not permitted for the login user. | Check the ACL rule, and then retry. |
| KAIC02022-E | The logged-in user does not have permissions for the specified host "*host-name*". | Check the ACL rule for the logged-in user. |
| KAIC02023-E | The login user cannot remove a LUSE that includes an unpermitted LDEV. | Check the ACL rule, and then retry. |
| KAIC02024-E | The login user cannot add a path to an unpermitted LDEV. | |
| KAIC02025-E | The login user cannot remove a path that set an unpermitted LDEV. | |
| KAIC02026-E | The local user does not have permission to add a new subsystem. | Ask Global-Admin or Global-Storage_Admin to add the new subsystem. |
| KAIC02027-E | The local user does not have permission to remove a subsystem. | |
| KAIC02028-E | An object for which the logged-in user does not have permissions was specified. | Check the ACL rule for the logged-in user. |
| KAIC02030-E | The user "*userID*" does not have permission to run this API. | Check the ACL rule, and then retry. |
| KAIC02032-E | The login user cannot modify own user group and user role. | Check the login user authorization, and then retry. |
| KAIC02033-E | The login user cannot operate a replication using an unpermitted LDEV. | Check the ACL rule, and then retry. |
| KAIC02034-E | The user group name is invalid. Use name less than 25 bytes. | The user group name is invalid. Use name less than 25 bytes. |
| KAIC02035-E | The specified ACL rule already exists in the Device Manager database. | Revise the rule, and then retry. |
| KAIC02036-E | A path related to the LDEV to be deleted is registered in the logical group "*logical-group-name*". | From the logical group, remove the path related to the LDEV to be deleted. |
| KAIC02037-E | This operation cannot be performed because the specified user ID is reserved within Device Manager. | Change the user ID, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC02038-E | The storage port "*Host Name*" cannot set access permissions. | Check and, if necessary, revise the target host specification. |
| KAIC02040-E | Built-in user groups cannot be deleted. | Revise the user group specifications. |
| KAIC02041-E | The own user group cannot be deleted. | |
| KAIC02042-E | Built-in user groups cannot be modified. | |
| KAIC02043-E | The own user group cannot be modified. | |
| KAIC02044-E | The login user cannot delete own account. | Revise the user specifications. |
| KAIC02045-E | A user being used by other products (using shared user information) cannot be deleted. | |
| KAIC02046-E | The requested operation cannot be executed to the specified user. | |
| KAIC02047-E | The specified ACL rule ID is invalid. It cannot be deleted. | Revise the ACL rule specifications. |
| KAIC02048-E | The specified user group name cannot be used because it is reserved. | Revise the user group specifications. |
| KAIC02100-E | The logged-in user does not have the permissions for using Device Manager functions. | Try again as a user who can use Device Manager functions. |
| KAIC02101-E | The logged-in user cannot use Device Manager functions because that user does not belong to a user group. | |
| KAIC02150-E | There are no permissions to use the journal group. | Revise the request, and then retry. To use a journal group, the user must have permissions for all the volumes that make up the journal group. |
| KAIC02250-E | A *PP Name (VolumeMigration)* migration plan related to an LDEV for which the logged-on user does not have the necessary permissions cannot be specified. | Check the ACL rule for the logged-on user. |
| KAIC02251-E | An LDEV that does not have the necessary permissions cannot be specified as a source volume. | |
| KAIC02252-E | An LDEV that does not have the necessary permissions cannot be specified as a target volume. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC02253-E | For an LDEV that does not have the necessary permissions, no *PP Name (VolumeMigration)* reserved volume set or release operation can be performed. | |
| KAIC02500-E | An unspecified error occurred while performing an operation on the common user information. | Contact the Support Center. |
| KAIC02501-E | An exception occurred in the common user management function. | |
| KAIC02502-E | Part of the user group information is inconsistent with part of the common user information. | The common user information might not contain the latest information. Restart the Device Manager server. |
| KAIC02503-E | The specified user is not registered in the common user information. | Revise the user specifications. |
| KAIC02504-E | The specified user has already been registered in the common user information. | |
| KAIC02505-E | The specified user group is not registered in the common user information. | Revise the user group specifications. |
| KAIC02506-E | The specified user group has already been registered in the common user information. | |
| KAIC02507-E | The common user management function is unavailable. | Check whether the Common Component service is running. |
| KAIC02508-E | This operation cannot be processed since it is invalid. | Revise the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC02509-E | A communication error occurred during an attempt to authenticate a user on an external authentication server. | Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

## Table 1-5 KAIC03000-KAIC03999: Database Errors

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC03000-E | An unspecified database error was encountered. | Contact the Support Center. |
| KAIC03001-E | The specified object was not found in the Device Manager database. | Make sure that the specified object exists in the Device Manager database, and then retry. |
| KAIC03002-E | The ManagedObject does not support name updates. | If the name has to be changed, the object will have to be deleted and re-added. |
| KAIC03003-E | The device cannot read/write to Device Manager database. | An internal server error was encountered. If this problem persists, contact the Support Center. |
| KAIC03004-E | The database manager handle is not valid. | If this problem persists, contact the Support Center. |
| KAIC03005-E | An error was encountered during database query. | |
| KAIC03006-E | An error was encountered during database insert. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC03007-E | An error was encountered during database update. | |
| KAIC03008-E | An error was encountered during database delete. | |
| KAIC03009-E | The database column "*column-name*" was not found in the result set. | |
| KAIC03010-E | An error was encountered during the formatting of the database results for the column "*column-name*". | |
| KAIC03011-E | An attempt to acquire a database connection from the pool failed. Check communications to the Device Manager database. | |
| KAIC03012-E | A failure was encountered during the closing of a database connection. | |
| KAIC03013-E | A failure was encountered during the committing of a database transaction. | |
| KAIC03014-E | A failure was encountered during the rolling back of a database transaction. | |
| KAIC03015-E | Database transaction commit/rollback failed. No transaction is in progress. | |
| KAIC03016-E | The entered value exceeds the maximum number of allowable digits. Enter a valid value. | Enter a valid value. |
| KAIC03017-E | Due to competing database locks, all or a part of the requested update has failed. | If this problem persists, contact the Support Center. |
| KAIC03018-E | An attempt to migrate the Device Manager database has failed. (return code="*return code*") | If this problem occurs repeatedly, contact the Support Center. |
| KAIC03019-E | An attempt to convert a character code has failed. | If this problem occurs repeatedly, contact the Support Center. |
| KAIC03020-E | An attempt to execute the command for releasing index free pages has failed. | If this problem persists, contact the Support Center. |
| KAIC03021-E | An attempt to add the command for updating the database has failed. | |
| KAIC03022-E | Device Manager access to DB is blocked. Problem is detected in Common Component. Call server administrator. | Call server administrator. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC03023-E | Device Manager access to DB is blocked. Problem is detected in Device Manager database. Call server administrator. | Call server administrator. |
| KAIC03050-E | The ID of table "*Table*" has exceeded the maximum. | Contact the Support Center. |
| KAIC03051-E | Mapping of the "*type-name*" type for database access cannot be resolved. | |
| KAIC03052-E | Initialization of table "*Table name*" ("*Key*") has been duplicated. | |
| KAIC03100-E | An error occurred during the connecting to the Device Manager database. | If this problem persists, contact the Support Center. |
| KAIC03141-E | An internal server error was encountered. An attempt to acquire the URL of the host agent failed. | Contact the Support Center. |
| KAIC03143-E | An internal server error was encountered. An attempt to acquire the replication information failed. | |
| KAIC03144-E | An internal server error was encountered. An attempt to acquire license key information from the database has failed. (Cause:"*cause*") | |
| KAIC03145-E | An internal error occurred. The record relating to the subsystem could not be deleted from the database. (cause = "*cause*") | |
| KAIC03146-E | An internal error occurred. The SMI-S Enabled subsystem information could not be acquired from the database. (table name = "*table name*") | Contact the Support Center. |
| KAIC03147-E | An internal error occurred. Acquisition of information used for managing the status of table "*table name*" has failed. | |
| KAIC03148-E | An internal error occurred. Acquisition of information to set for table "*table name*" has failed. | Contact the Support Center. |
| KAIC03149-E | An internal error occurred. An attempt to acquire the virtualization server information from the database failed. (table name: *table name*) | Contact the Support Center. |
| KAIC03402-E | A connection error occurred when logging into the Common Component. | Check Common Component, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC03403-E | An attempt to log into the Common Component failed. Application "*ApplicationName*" is not permitted to log in. | Contact the Support Center. |
| KAIC03404-E | Authentication was refused when logging into the Common Component. "*userID*" | |
| KAIC03405-E | A Common Component error occurred. | |
| KAIC03406-E | An error occurred while connecting to the Common Component database. | |
| KAIC03410-E | An error occurred during operation of the Common Component database. (CIM error: "*error-code*") | Data in the Device Manager database might not match data in the Common Component database. Specify "true" for the property "server.base.initialsynchro" in the "server.properties" file, restart Device Manager Server, and then retry the operation. If this problem still occurs after these actions, Contact the Support Center. |
| KAIC03411-E | An attempt to acquire Device Manager information for synchronizing with Common Component has failed. | Contact the Support Center. |
| KAIC03412-E | An internal error occurred while updating the Common Component database. | |
| KAIC03414-E | An exception occurred in the Common Component linkage of Provisioning Manager. | Specify "true" for the property "server.base.initialsynchro" in the "server.properties" file, and then restart Device Manager Server. If this problem persists, contact the Support Center. |
| KAIC03415-E | An error occurred while updating the Common Component database. Mismatching data existed in the Device Manager database and the Common Component database. | Specify "true" for the property server.base.initialsynchro in the server.properties file, and then restart Device Manager Server. |
| KAIC03416-E | The rollback of the Device Manager database was performed after updating the Common Component database.Therefore, mismatching occurred in the Device Manager database and Common Component database. | Specify "true" for the property "server.base.initialsynchro" in the "server.properties" file, and restart Device Manager Server. |
| KAIC03420-E | An attempt to register the initial data into the Common Component database has failed. | Check whether the Common Component service is running. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC03421-E | An attempt to synchronize with Common Component has failed. | Contact the Support Center. |
| KAIC03422-E | An attempt to determine synchronization with Common Component has failed. "*StartingState*" | |
| KAIC03423-E | An attempt to synchronize with the information for the displayed list has failed. | |
| KAIC03440-E | An attempt to acquire the accessing user ID and password for the database has failed. | Make sure that the Common Component service has started, and then restart Device Manager Server. If this problem occurs repeatedly, contact the Support Center. |
| KAIC03441-E | Database migration has failed. | Contact the Support Center. |
| KAIC03500-E | A database error occurred during an attempt to add a storage subsystem or refresh the database. Try again. | If this problem persists, contact the Support Center. |
| KAIC03999-E | An error occurred during the initialization of the Device Manager database functionality. | Make sure that the Device Manager service is started, and that the Device Manager database exists. If this problem persists, contact the Support Center. |

### Table 1-6 KAIC04000-KAIC04999: Network Errors

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC04001-E | An attempt to resolve the specified IP address "*IP-address*" has failed. | Specify the correct IP address. |
| KAIC04002-E | The specified IP address "*IP address*" is not a correctly formatted *protocol* address. | Revise the specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC04100-E | An internal error occurred. An incorrect format for the IP address "*IP-address*" was detected. | Contact the Support Center. |
| KAIC04211-E | An exception occurred when Storage Navigator Modular was invoked. (exception="*stack-trace*") | |
| KAIC04212-E | An exception occurred while Storage Navigator Modular event history information was being acquired. (exception="*stack-trace*") | |
| KAIC04213-E | An error occurred in the Storage Navigator Modular. (error code = "*error code from Storage Navigator Modular Server*", error message = "*error message for Storage Navigator Modular error code*") | |

## Table 1-7 KAIC05000-KAIC05999: Transport Errors

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05000-E | An unspecified transport error was encountered. | Contact the Support Center. |
| KAIC05001-E | Device Manager does not support the operation "*operation*" for the storage array type. | Device Manager Server does not support requests on the specified storage device. |
| KAIC05002-E | An internal server error occurred. The transport connection is not valid for the storage array. | Contact the Support Center. |
| KAIC05003-E | The storage subsystem is currently locked by "*user-name*". | The storage array is locked by another management application. Check whether anyone is accessing the storage array from another management application on the network. If this problem persists, contact the Support Center. |
| KAIC05004-E | An attempt to acquire the lock for the subsystem has failed. | Check whether anyone is accessing the storage array from another management application on the network. If this problem persists, contact the Support Center. |
| KAIC05005-E | An attempt to release the SNMP lock has failed after "*number-of-trials*" attempts. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05008-E | An SNMP error occurred during an internal refresh of the subsystem. | If this problem persists, contact the Support Center. |
| KAIC05009-E | An attempt to retrieve info via SNMP has failed. | |
| KAIC05011-E | An internal server error occurred. DeviceIdentificationService was not found. | Contact the Support Center. |
| KAIC05012-E | No default service is registered for identification of the array family "*array-family*". | This is an internal server error indicating an invalid configuration in the transport layer. Contact the Support Center. |
| KAIC05013-E | An error occurred during acquisition of configuration information from the device at IP Address "*IP-address*". | An error was encountered during polling for device configuration information. Check the storage array for possible problems. If this problem persists, contact the Support Center. |
| KAIC05014-E | Device Manager does not support the specified operation "*operation*" on the subsystem. The minimum microcode version is "*version*". | To perform this operation, the microcode version must be updated. |
| KAIC05015-E | The specified array group "*array-group*" is out of range. | Perform a refresh on the storage subsystem. |
| KAIC05016-E | The specified array group "*array-group*" already exists. | |
| KAIC05018-E | The specified PDEV "*PDEV-ID*" is already in use. | |
| KAIC05019-E | The specified LDEV "*device-number*" is out of range. | |
| KAIC05020-E | The specified LDEV "*device-number*" already exists. | |
| KAIC05022-E | The specified host mode is invalid for the storage subsystem. The setting for the storage subsystem type does not match the actual value. | Specifying the correct model, add the storage subsystem again. If there is a serious impact on your system, contact the Support Center. |
| KAIC05023-E | The specified host mode is unsupported on the subsystem. | Check that the subsystem supports this host mode. |
| KAIC05024-E | The function "*Function-name*" on the subsystem does not exist. | Check the subsystem functionality. |
| KAIC05026-E | Device Manager does not support the specified subsystem, or a configuration error might exist in the subsystem. | Revise the subsystem specifications. If there is no problem in the specifications, contact the Support Center. |
| KAIC05027-E | The number of devNums required to create the specified LU in the current configuration do not exist. | Delete any unnecessary LUs, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05028-E | The *PP Name(Dynamic Provisioning)* ArrayGroup has been specified. A *PP Name(Dynamic Provisioning)* volume cannot be created in Device Manager. | Revise the ArrayGroup specification. |
| KAIC05030-E | Cannot create the LDEV with the specified emulation type under present storage configuration. | Delete any unnecessary LUs, and then retry. |
| KAIC05031-E | The specified emulation type is invalid for the array group. | Correct the specified emulation type and/or array group, and then retry. |
| KAIC05032-E | An LDEV cannot be created for an array group of the emulation type "*emulation-type*". | Check the specified emulation type. |
| KAIC05034-E | The subsystem type is invalid. | Revise the specified subsystem type. |
| KAIC05035-E | An LDEV that has the emulation type "*emulation-type*" cannot be created for the specified device number (devNum="*device-number*"). | Revise the specified devNum or emulation type. |
| KAIC05036-E | The specified device number (devNum="*device-number*") cannot be used. | Revise the specified devNum. |
| KAIC05040-E | Operations for command device security are not supported on the microcode version of this subsystem. | To perform command device security operations, you will need to upgrade. Contact the Support Center. |
| KAIC05041-E | The specified SMI-S Enabled subsystem was not found. | Revise the specification of the SMI-S Enabled subsystem. |
| KAIC05042-E | An SMI-S Enabled subsystem was not found. The specified SMI-S provider does not manage any SMI-S Enabled subsystems supported by Device Manager. | Revise the SMI-S provider specification. |
| KAIC05043-E | The specified virtualization-server management program or virtualization server was not found. | Revise the specification for the virtualization-server management program or virtualization server. |
| KAIC05044-E | No virtualization servers were found. The specified virtualization-server management program is not managing any virtualization servers supported by Device Manager. | Revise the specification for the virtualization-server management program. |
| KAIC05045-E | The information acquired from the specified virtualization server does not match the information in the database. | Delete the virtualization server from the Device Manager server, and then re-register the virtualization server information. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05054-E | The parameter (IP address or communication protocol) used to connect to the storage subsystem has been changed in Storage Navigator Modular 2. Make sure the IP address and communication protocol are correct, and then refresh the storage subsystem. | The IP address and communication protocol used to connect to the storage subsystem must be the same as those set in Storage Navigator Modular 2. Check the network environment and the IP address and communication protocol used to connect to the storage subsystem. If necessary, specify the correct IP address or communication protocol, and then refresh the storage subsystem to obtain the most up-to-date configuration information. |
| KAIC05056-E | An attempt to connect to the storage subsystem failed. Check the specified storage subsystem type, IP address, microcode version, and network port settings, as well as the network status. | Check the following items related to the storage subsystem:<br>▪ Type<br>▪ IP Address<br>▪ Microprogram version<br>▪ The ports that will be used. (Check from both Device Manager and the storage subsystem.)<br>▪ The network status<br>If there is no problem with any of the above items, there is a hardware problem with the network or the storage subsystem. |
| KAIC05057-E | An attempt to connect to the storage subsystem failed. Check the specified storage subsystem type, IP address, communication protocol, microcode version, and network port settings, as well as the network status. | Check the following items related to the storage subsystem:<br>▪ Type<br>▪ IP Address<br>▪ Communication protocol<br>▪ Microprogram version<br>▪ The ports that will be used. (Check from both Device Manager and the storage subsystem.)<br>▪ The network status<br>If there is no problem with any of the above items, there is a hardware problem with the network or the storage subsystem. |
| KAIC05060-E | The host agent does not support the operation "*operation*". | Revise the host specification. |
| KAIC05090-E | The specified operation is not supported by the microcode version of this storage subsystem. | To perform the specified operation, you will need to upgrade the microcode version. Contact the Support Center. |
| KAIC05100-E | An internal server error occurred. An attempt to execute the transport service failed due to a missing parameter "*parameter*". | Contact the Support Center. |
| KAIC05101-E | An internal server error occurred. An attempt to initialize the transport connection has failed. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05102-E | The subsystem or SMI-S provider is currently performing other processing. Wait a while, and then try again. | If this problem persists, contact the Support Center. |
| KAIC05103-E | The virtualization-server management program or the virtualization server is currently processing. Wait a while, and then try again. | If this problem persists, contact the Support Center. |
| KAIC05200-E | Initialization of the SNMP connection at IP-address "*IP-address*" has failed. | An error occurred during the initialization of the SNMP for the specified IP Address. This indicates a network connection or SNMP configuration error on the device. |
| KAIC05251-E | The specified volume is already being used by another *PP Name (VolumeMigration)* migration plan. | Revise the volume specification. |
| KAIC05252-E | The specified *PP Name (VolumeMigration)* migration plan was not found in the storage subsystem. | Check and, if necessary, revise the specification. |
| KAIC05254-E | The specified *PP Name (VolumeMigration)* migration plan cannot be deleted because migration has not finished. | |
| KAIC05255-E | The specified *PP name (VolumeMigration)* migration plan cannot be canceled because it is not running. | |
| KAIC05300-E | An unspecified transport error was encountered. | Contact the Support Center. |
| KAIC05302-E | An attempt to load a storage array connection library has failed. | |
| KAIC05303-E | An attempt to log in to the storage array has failed. Check the validity of the user ID and password. Moreover, please confirm whether the account registered in the storage subsystem is effective. | Make sure the user ID and password are valid, and then retry the operation. If Advanced Security mode is changed in the Hitachi AMS or SMS series, all accounts registered in the storage subsystem are initialized. If this happens, create an account in Hitachi Storage Navigator Modular 2, and then retry the operation. |
| KAIC05304-E | Permissions necessary to manage the subsystem are not allocated. | Make sure that the permissions to manage the subsystem are allocated. If this problem continues to occur, contact the Support Center. |
| KAIC05305-E | Another management application on the network is changing the subsystem configuration. | Make sure that the subsystem configuration is not being changed by another management application. If this problem continues to occur, contact the Support Center. |
| KAIC05306-E | Specified PDEV are not continuous. | Specify continuous PDEV. If the problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05307-E | The number of PDEVs ("*number-of-PDEVs*") does not match the type "*RAID-type*". | A valid PDEV number needs to be assigned. |
| KAIC05308-E | You cannot delete the LU. You can only delete the last logical unit created. The last LU created was "*device-number*". | You can only delete the last logical unit created. The last LU created was "*device-number*". |
| KAIC05310-E | An attempt to connect to the storage array has failed. Check the validity of the storage type, and IP address, and DAMP connection port number, and network connectivity. | Confirm the storage subsystem type and IP address and subsystem connection port number are correct. If these are correct, there is a network or storage subsystem problem. |
| KAIC05311-E | No more spare drives can be added on the subsystem. | Remove other spare drives, and then retry. |
| KAIC05312-E | No more command devices can be added to the specified subsystem. | Up to 2 LUs of command devices can be specified. Delete unnecessary command devices, and then retry. |
| KAIC05313-E | An API function that was executed by the storage subsystem microcode is not supported. | Check the version of the storage subsystem microcode. |
| KAIC05314-E | The specified RAID type is invalid. | Check the request. |
| KAIC05315-E | The Device Manager server does not support the specified subsystem. | Make sure that the specified subsystem is supported by the Device Manager. |
| KAIC05350-E | The name of the virtualization server (*host-name*) detected for the specified IP address (*IP-address*) is the same as a host name already registered in Device Manager. | Revise the host name, and then try again. |
| KAIC05381-E | This Device Manager does not support the LUN Management option. | Check this subsystem's option list. |
| KAIC05390-E | The port "*port-name*" was not found on the storage array. | Make sure that the port name is correct, and then retry. If this problem persists, contact the Support Center. |
| KAIC05391-E | The controller "*controller-ID*" was not found on the storage array. | Make sure that the controller number is correct, and then retry. If this problem persists, contact the Support Center. |
| KAIC05392-E | HostStorageDomain "*host-storage-domain-ID*" was not found on the storage array. | Make sure that the HostStorageDomain is correct, and then retry. If this problem persists, contact the Support Center. |
| KAIC05393-E | The specified Port Option "*port-option-name*" is not supported on the microcode version of this subsystem. | A microcode upgrade is required to use the specified port option. Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05394-E | An attempt to log in to the storage subsystem failed because another user is already logged in. Wait a while, and then retry the operation. If Physical View, Storage Navigator Modular or Storage Navigator Modular 2 is open, close the window, and then retry the operation. | Wait a while, and then retry the operation. If Physical View, Storage Navigator Modular or Storage Navigator Modular 2 is open, close the window, and then retry the operation. |
| KAIC05395-E | An attempt to register a user failed because the maximum number of users is already registered. | Delete unnecessary users from storage subsystem, and then retry the operation. |
| KAIC05396-E | An attempt to register a user failed because the specified user ID is already registered. | Revise the user ID or password specifications, and then retry the operation. |
| KAIC05400-E | An attempt to connect to the storage array at IP Address "*IP-address*" has failed. Check the validity of the user ID and password, storage type, and IP address, as well as any network connections. | The HTTP connection command has failed. Check the validity of the user ID, password, storage type, IP address, and network connections. |
| KAIC05401-E | An attempt to retrieve data for the storage array has failed. Check the validity of the user ID and password, as well as any network connections. | The HTTP GET command has failed to retrieve the desired data. Check the network connection and the user ID and password used to access the device. The Device Manager Server may need to be refreshed to obtain the latest configuration information. |
| KAIC05402-E | An attempt to execute the operation on the storage array has failed. | The HTTP POST command failed. Check the network connection and the user ID and password used to access the device. The Device Manager Server may need to be refreshed to obtain the latest configuration information. |
| KAIC05409-E | The chassis referenced in the request is not valid for the storage array. | Perform a refresh on the storage subsystem, and then retry. |
| KAIC05420-E | An internal error occurred. | Contact the Support Center. |
| KAIC05421-E | There is no external array groups that Device Manager can assign. | Delete any unnecessary external array groups, and then try again. |
| KAIC05422-E | An attempt to create the external array group "*External Array Group*" has failed. | Revise the external array group specification. |
| KAIC05423-E | There is no path groups that Device Manager can assign. | Delete any unnecessary path groups, and then retry the operation. |
| KAIC05424-E | The specified LU cannot be created because the total capacity of that LU exceeds the capacity of the external volume. | Revise the LU specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05425-E | An internal server error occurred. Execution of the transport service failed due to an invalid parameter value. | Contact the Support Center. |
| KAIC05500-E | There is no response from the device at IP address "*IP-address*". | If the IP address of the storage subsystem is correct, there is a network connection error, or an SNMP configuration error in the device. Contact the Support Center. |
| KAIC05520-E | The specified ISCSIName "*ISCSIName*" does not exist. | Refresh the storage subsystem, and make sure the request is correct. |
| KAIC05521-E | The specified ISCSIName "*ISCSIName*" already exists. | |
| KAIC05522-E | An attempt to execute a request has failed. Only some of the configuration changes may have been applied to the storage subsystem. | Refresh the subsystem, check the parameter for the specified iSCSI port, and then retry the operation. If this problem persists, contact the Support Center. |
| KAIC05523-E | The request was not completed within the time limit. Only some of the configuration changes may have been applied to the storage subsystem. | Refresh the subsystem, and then check the changed settings. Specify the parameters for settings that have not yet changed, and then retry the operation. If this problem persists, contact the Support Center. |
| KAIC05600-E | An unspecified transport error was encountered. | Contact the Support Center. |
| KAIC05601-E | An RMI connection could not be established using the IP address *IP-address*. Check the specified type and IP address, as well as the network status. | Make sure that the correct storage subsystem type and IP address have been specified. Also, check the settings for the Device Manager and storage subsystem communication ports. Restart Device Manager server if you have not done so since changing the storage subsystem microcode version. If there is no problem with the specifications or settings and restarting Device Manager server does not solve the problem, there is a hardware problem with the network or the storage subsystem. |
| KAIC05607-E | The storage array at "*IP-address*" is currently locked by another user, or is undergoing reconfiguration. | The storage array is locked by another management application. Wait a while, and then retry. If this problem persists, contact the Support Center. |
| KAIC05609-E | A RMI Session problem occurred at "*IP-address*". | This indicates a network or storage problem. |
| KAIC05700-E | Not enough free space exists. | Specify the size within the scope of free space available. |
| KAIC05701-E | An internal server error occurred. The HostStorageDomainID is invalid. | Contact the Support Center. |
| KAIC05702-E | The specified port already has the maximum number of LUNs. | No more LUNs can be specified on this port, so select a different port to which to add LUNs. |
| KAIC05703-E | The HostStorageDomain specified already has the maximum number of LUNs. | No more LUNs can be specified on this HostStorageDomain. Select a different HostStorageDomain to which to add LUNs. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05704-E | The LDEV of is a *PP Name (VolumeMigration)* reserved volume; it cannot be used in a LUSE. | Perform a refresh on the storage subsystem and check the request. |
| KAIC05705-E | The LU is an OnDemand device and cannot be used for an LUN. | Perform a refresh on the storage subsystem and check the request. |
| KAIC05706-E | The specified LDEV does not exist. | Perform a refresh on the storage subsystem to obtain the latest configuration information. |
| KAIC05707-E | The specified WWN does not exist. | Perform a refresh on the storage subsystem to obtain the latest configuration information. |
| KAIC05708-E | The specified port already has the maximum number of WWNs. | Check the request. |
| KAIC05709-E | The specified HostStorageDomain already has the maximum number of WWNs. | |
| KAIC05710-E | The specified WWN already exists. | Perform a refresh on the storage subsystem to obtain the latest configuration information, and check the specified WWN. |
| KAIC05711-E | The control unit for devNum cannot be used. | An attempt to add a logical unit has failed. The cu number is not valid. Perform a refresh on the storage subsystem to obtain the latest configuration information. |
| KAIC05712-E | LDEV cannot be created because the SSID is not set. | You need to set an appropriate SSID from SVP. Contact the subsystem administrator, or call maintenance personnel. |
| KAIC05713-E | The specified capacity is invalid. | Specify a valid capacity, and then retry. |
| KAIC05714-E | The setting value of the security option of Storage array has changed. A refresh of the storage subsystem is recommended. Contact your system administrator if you are a local user. | The Device Manager Server may not contain the most current storage device information. Perform a refresh on the storage subsystem. |
| KAIC05715-E | This API version does not support the LUN Management option. | Check this subsystem's option list. Alternatively, check the Device Manager Server XML API manual and make sure the running API version supports the command. |
| KAIC05716-E | The request cannot be processed because the specified port is not a Fibre Channel port. | Specify a Fibre Channel port, and then retry. |
| KAIC05717-E | The request cannot be processed because the security switch of the specified port is turned off. | Turn on the security switch of the port, and then retry. |
| KAIC05718-E | The request cannot be processed because the port that the specified HostStorageDomain belongs to is not a Fibre Channel port. | Specify a HostStorageDomain that belongs to a Fibre Channel port, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05719-E | The request cannot be processed because the security switch of the port that the specified HostStorageDomain belongs to is turned off. | Turn on the security switch of the port that the specified HostStorageDomain belongs to, and then retry. |
| KAIC05720-E | The specified HostStorageDomain "*HSD-identifier*" already exists on the port "*port-identifier*". | Check the combination of the specified HostStorageDomain and port ID. |
| KAIC05721-E | An inconsistency was detected for the storage array. A refresh of the storage subsystem is recommended. Contact your system administrator if you are a local user. | The Device Manager Server may not contain the most current storage device information. Perform a refresh on the storage subsystem. |
| KAIC05722-E | This operation to the subsystem has failed. Some of the operation may have been applied to the storage subsystem. A refresh of the storage subsystem is recommended. Contact your system administrator if you are a local user. | Perform a refresh on the storage subsystem. If this problem persists, contact the Support Center. |
| KAIC05723-E | The LUN "*LUN-of-a-path*" was not found on the storage array. | Check the LUN. |
| KAIC05724-E | The SCSI ID "*SCSI-ID-of-a-path*" was not found on the storage array. | Check the SCSI ID. |
| KAIC05725-E | The LUN "*LUN-of-a-path*" is already used on the storage array. | Check the LUN. |
| KAIC05726-E | The port "*port-identifier*" was not found on the storage array. | Check the Port. |
| KAIC05727-E | The HostStorageDomain "*HSD-identifier*" does not exist on the port "*port-identifier*". | Check the HostStorageDomain. |
| KAIC05728-E | PDEV #"*PDEV-ID*" is not a spare drive. | Check the PDEV. |
| KAIC05729-E | The specification of nickname "*nickname*" is invalid. The maximum length of the nickname is "*maximum-length-of-nickname*" bytes. | Check the specified nickname. Make sure that the nickname is correct, and then retry. |
| KAIC05730-E | An attempt to log in to the subsystem has failed. Password authentication is required. Specify the user ID and password, and then try again. | Specify the user ID and password, then retry. If this problem continues to occur, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05731-E | A LUSE Volume configuration is not supported when the devNum is specified with emulation type "*emulation-type*" and a capacity of "*capacity*KB". Specify the creation capacity within the range from "*min-ldev-size*KB" to "*max-ldev-size*KB". | Make sure that the capacity falls within the valid range for the emulation type. |
| KAIC05732-E | An attempt to change portRole has failed. | Confirm the state of the port, and then try again. |
| KAIC05735-E | An inconsistency was detected in the "*type of information*" information. Refreshing the storage subsystem is recommended. If you are a local user, contact your system administrator. | The Device Manager Server might not contain the most current storage device information. Refresh the storage subsystem, and then try again. |
| KAIC05736-E | An LU cannot be created. The number of LUs that can be created using the specified parameter is "*maximum number of LUs*". | Make sure that there is sufficient free space at the target, or revise the LU capacity and count. For details, see the manual that corresponds to your storage subsystem. |
| KAIC05737-E | An error occurred while deleting an LU. (successfully deleted device(s) : "*device number list*") | Revise the devNum (device number) value, and then try again. |
| KAIC05750-E | The devNum cannot be used. | Revise the specification for devNum of the LogicalUnit elements and then try again. |
| KAIC05751-E | The specified operation cannot be executed because the PDEV of the specified disk capacity "*disk-capacity*" is not supported. | Check and, if necessary, specify a different disk capacity, and then retry the operation. |
| KAIC05752-E | The specified drive type "*drive-type*" is invalid. | Check and, if necessary, specify a different drive type, and then retry the operation. |
| KAIC05760-E | The specified CLPR "*CLPR-number*" does not exist in the storage subsystem. | Revise the CLPR specification. |
| KAIC05761-E | The specified capacity is invalid. | Revise the LU or LDEV capacity specification. |
| KAIC05762-E | The specified device number "*device-number*" is not available. | Revise the device number specification. |
| KAIC05763-E | There are no SSIDs that Device Manager can assign for the LU to be created. | Revise the "server.properties" value, and then restart the services. |
| KAIC05764-E | The LUs cannot be created because their total capacity exceeds the free space in the array group. | Reduce the total capacity of the LUs to be created, and then retry the operation. |
| KAIC05765-E | The subsystem managed by the partitioned storage administrator cannot execute the request. | Revise the subsystem settings. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05766-E | There is no *PP Name (Dynamic Provisioning)* volume group which Device Manager can assign. | Reduce the LUs to be added, and then retry the operation. |
| KAIC05767-E | There is no CU which Device Manager can assign. | Create the volume to the existing CU. |
| KAIC05768-E | The pool threshold cannot be modified to the specified value "*threshold*" because it is less than or equal to the pool's usage rate "*pool's usage rate*". | Specify a value that is more than the pool's usage rate, and then retry the operation. |
| KAIC05769-E | Status in pool (function="*PP Name (Dynamic Provisioning)*" pool ID="*poolID*") is not "*Normal*", and threshold of pool cannot be modified. | Check the status of specified pool, and then retry the operation. |
| KAIC05770-E | This API cannot be executed because it has supported it since the microcode version 7. | Check the microcode version of the subsystem. |
| KAIC05771-E | The retention term of the specified LDEV has not expired. The protection attributes of the specified LDEV cannot be changed. | Check the specification of the LDEV. |
| KAIC05772-E | Usage rate of pool (function="*PP Name (Dynamic Provisioning)*" pool ID="*poolID*") is more than 95%, and threshold of pool cannot be modified. | Check the usage rate of pool. |
| KAIC05773-E | The pool cannot be created because the maximum number of pools for "*PP Name (Quick Shadow)*" or "*PP Name (Dynamic Provisioning)*" have been created in the storage subsystem. | Delete any unnecessary pool, and then retry the operation. |
| KAIC05774-E | Array groups cannot be added because the number of array groups for "*PP Name (Dynamic Provisioning)*", "*PP Name (Quick Shadow)*" and "*PP Name (Universal Volume Manager)*" will exceed the maximum number of array groups in storage subsystem. | Delete any unnecessary array groups for "*PP Name (Dynamic Provisioning)*", "*PP Name (Quick Shadow)*" or "*PP Name (Universal Volume Manager)*", and then retry the operation. |
| KAIC05779-E | An attempt to execute the request failed. The array groups of the source and target volumes do not match in the Device Manager database and the storage array. | Refresh the storage subsystem, and make sure the request is correct. |
| KAIC05780-E | The specified subsystem does not support the host mode "*name-of-host-mode*". | Revise the subsystem specifications. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05781-E | The specified host mode "*name-of-host-mode*" cannot be specified for the microcode version of this subsystem. | Check the microcode version of the subsystem. |
| KAIC05782-E | The specified port does not support the channel speed "*channel-speed*". | Revise the subsystem specifications. |
| KAIC05783-E | The specified subsystem does not support the host mode 2 "*name-of-host-mode-2*". | |
| KAIC05784-E | The specified host mode 2 "*name-of-host-mode-2*" cannot be specified for the microcode version of this subsystem. | Check the microcode version of the subsystem. |
| KAIC05785-E | The specified subsystem does not support the option "*name-of-port-option*". | Revise the subsystem specifications. |
| KAIC05786-E | The specified port option "*name-of-port-option*" is not supported on the microcode version of this subsystem. | Check the microcode version of the subsystem. |
| KAIC05787-E | Storage subsystem information different from that of the actual machine is registered in Storage Navigator Modular 2. Use Storage Navigator Modular 2 to delete the following storage subsystem information, and then retry the operation. (array name = "*array-name-registered-in-Storage-Navigator-Modular-2*") | Use Storage Navigator Modular 2 to delete the storage subsystem information, and then retry the operation. |
| KAIC05788-E | *PP-Name* functionality must be enabled on the subsystem. | Enable *PP-Name* functionality on the subsystem. |
| KAIC05789-E | The specified operation cannot be executed because the usage rate of the pool (poolID="*poolID*", usage= "*pool-usage-rate*") is the pool threshold (*attribute-name*="*attribute-value*") or more. | Revise the configuration so that the pool usage rate is less than the value of *attribute-name*, and then retry the operation. |
| KAIC05790-E | A pool/journal group cannot be created because the maximum number of *PP Name (Universal Replicator)* pools/journal groups has been created in the storage subsystem. | Delete any unnecessary pools/journal groups, and then try again. |
| KAIC05791-E | A journal group cannot be shrunk because its status is not "Initial" or "Stop". | Change the status of the pairs that use the journal group, and then retry the operation. |
| KAIC05792-E | A journal group cannot be expanded because its status is not "Initial", "Active", or "Stop". | Change the status of the pairs that use the journal group, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05793-E | The specified pool cannot be deleted because its used capacity is not 0GB. | Delete all pairs which use the specified pool. |
| KAIC05794-E | The Status of all pairs that use the specified pool must be "Simplex". | Change status of pairs which use the pool into "Simlex", and then retry. |
| KAIC05795-E | SnapShot or TrueCopy Extended Distance functionality must be enabled on the subsystem. | Check and, if necessary, revise the subsystem functionality. |
| KAIC05796-E | The LU "*device number*" cannot be used for a pool volume/journal volume because it is set for VMA. | Revise the LU specification, and then try again. |
| KAIC05798-E | The specified journal group cannot be deleted because its status is not the initial status. | Change the status of the journal group to the initial status, and then retry the operation. |
| KAIC05799-E | An internal server error occurred. An attempt to execute the transport service failed because the parameter "*parameter*" or "*parameter*" is missing. | Contact the Support Center. |
| KAIC05800-E | An internal error occurred during execution of the CIM function. | Contact the Support Center. |
| KAIC05850-E | On the port "*port-name*", security is not set for the host storage domain "*host-storage-domain-name*" or the iSCSI initiator "*iscsi-initiator-name*". | Revise the specification. |
| KAIC05851-E | On the port "*port-name*", security has already been set for the host storage domain "*host-storage-domain-name*" and the iSCSI initiator "*iscsi-initiator-name*". | Revise the specification. |
| KAIC05852-E | For the specified port "*port-name*", the maximum number of iSCSI names "*maximum-number-of-iscsi-initiators*" has already been set or might be exceeded when the processing is executed. | |
| KAIC05853-E | The specified nickname "*nickname*" is already being used for another iSCSI name on the same port "*port-name*". | Specify a nickname that is not being used by another iSCSI name on the same port, and then retry the operation. |
| KAIC05854-E | The specified iSCSI name "*iscsi-name*" is already being used by another host storage domain on the same port "port-name". | Specify an iSCSI name that is not being used by another host storage domain on the same port, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05855-E | The specified nickname "*nickname*" is already being used by another host storage domain on the same port "port-name". | Specify a nickname that is not being used by another host storage domain on the same port, and then retry the operation. |
| KAIC05856-E | The maximum number of host storage domains "*maximum-number-of-iscsi-targets*" for the port "*port-name*" cannot be exceeded. | Revise the specification so the maximum number of host storage domains is not exceeded. |
| KAIC05857-E | The specified iSCSI name "*nickname*" is invalid. The maximum length of the iSCSI name is "*maximum-length-of-nickname bytes*". | Revise the specified iSCSI name, and then retry the operation. |
| KAIC05858-E | The specified iSCSI name "*iscsi-name*" is invalid. Specify the iSCSI name by using the iqn format or the eui format. | Revise the specified iSCSI name, and then retry the operation. |
| KAIC05859-E | Different nickname "*iscsi-nickname1*" and "*iscsi-nickname2*" are specified for iSCSI name "*iscsi-name*" on same port "*port-name*". | Revise the specified iSCSI name, and then retry the operation. |
| KAIC05860-E | An error occurred during access to an SMI-S Enabled subsystem. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled subsystem might be invalid. (WBEM error code = "*WBEM-error- code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*") | Check, and if necessary, revise the specified parameters. In addition, make sure the status of the SMI-S provider and the SMI-S Enabled subsystem are correct. If this problem persists, contact the SMI-S provider administrator. |
| KAIC05861-E | An attempt to access the SMI-S Enabled provider has failed. Make sure the following parameters are correct: SMI-S provider IP address, port number, user ID and password. (WBEM error code = "*WBEM-error- code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*") | Make sure the following parameters are correct, and the try again: SMI-S provider IP address, port number, user ID and password. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05862-E | The environment for the SMI-S Enabled subsystem is invalid. (WBEM error code = "*WBEM-error- code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*") | Contact the Support Center. |
| KAIC05863-E | An internal error occurred during access to an SMI-S Enabled subsystem. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*") | Contact the Support Center. |
| KAIC05864-E | An unexpected error occurred during access to an SMI-S Enabled subsystem. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*") | Contact the Support Center. |
| KAIC05865-E | An internal error occurred during access to an SMI-S Enabled subsystem. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*") | Contact the SMI-S provider administrator. |
| KAIC05866-E | An unexpected error occurred during access to an SMI-S Enabled subsystem. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*") | Contact the Support Center. |
| KAIC05867-E | Communication between the SMI-S provider and SMI-S Enabled subsystem timed out. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*") | Contact the SMI-S provider administrator. |
| KAIC05868-E | Execution of the access method of the SMI-S Enabled subsystem failed. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*") | Contact the SMI-S provider administrator. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05869-E | A parameter required for accessing an SMI-S Enabled subsystem is invalid. (CIM method name = "*CIM-method name*") | Revise the parameter specification, and then try again. |
| KAIC05870-E | An invalid value was returned from an SMI-S provider. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*") | Contact the SMI-S provider administrator. |
| KAIC05871-E | The specified volume size is invalid. (CIM method name = "*CIM-method-name*") | Revise the volume size specification, and then try again. |
| KAIC05872-E | The specified LU ID (LUN) is invalid. (CIM method name = "*CIM-method-name*") | Revise the LU ID (LUN) specification, and then try again. |
| KAIC05873-E | The specified initiator port ID (WWN) is invalid. (CIM method name = "*CIM-method-name*") | Revise the initiator port ID (WWN) specification, and then try again. |
| KAIC05874-E | The specified target port ID (WWN) is invalid. (CIM method name = "*CIM-method-name*") | Revise the target port ID (WWN) specification, and then try again. |
| KAIC05875-E | The specified permission is invalid. (CIM method name = "*CIM-method-name*") | Revise the permission specification, and then try again. |
| KAIC05876-E | The specified initiator port and target port combination is already exists. (CIM method name = "*CIM-method-name*") | Revise the initiator port and target port combination, and then try again. |
| KAIC05877-E | The specified LUN is already in use. (CIM method name = "*CIM-method-name*") | Revise the LUN specification, and then try again. |
| KAIC05878-E | An internal error occurred in an SMI-S Enabled subsystem. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*") | Contact the SMI-S provider administrator. |
| KAIC05879-E | An error occurred during access to an SMI-S Enabled subsystem. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled subsystem might be invalid. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", detailed information = "*detailed-information*") | Check, and if necessary, revise the specified parameters. In addition, make sure the status of the SMI-S provider and the SMI-S Enabled subsystem are correct. If this problem persists, contact the SMI-S provider administrator. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05880-E | An attempt to access an SMI-S provider has failed. Check the following parameters: SMI-S provider IP address, port number, user ID, and password. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*") | Check the following parameters, and the try the operation again: SMI-S provider IP address, port number, user ID, and password. |
| KAIC05881-E | The environment for the SMI-S Enabled subsystem is invalid. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*") | Contact the Support Center. |
| KAIC05882-E | An internal error occurred during access to an SMI-S Enabled subsystem. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*") | Contact the Support Center. |
| KAIC05883-E | An unexpected error occurred during access to an SMI-S Enabled subsystem. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*") | Contact the Support Center. |
| KAIC05884-E | A job for an SMI-S Enabled subsystem has failed. (job status = "*job-status*", detailed code = "*detailed-code*", detailed information = "*detailed-information*") | Contact the Support Center. |
| KAIC05885-E | An error occurred during access to an SMI-S Enabled subsystem. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled subsystem might be invalid. (WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*") | Check, and if necessary, revise the specified parameters. In addition, make sure the status of the SMI-S provider and the SMI-S Enabled subsystem are correct. If this problem persists, contact the SMI-S provider administrator. |
| KAIC05886-E | The SMI-S Enabled subsystem being managed by the specified SMI-S provider is already managed by another SMI-S provider. | Specify settings such that multiple SMI-S providers do not manage the same SMI-S Enabled subsystem. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05887-E | An error occurred during access to an SMI-S Enabled subsystem. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled subsystem might be invalid. (WBEM error code = "*WBEM-error- code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", subsystem name = "*subsystem-name*") | Check, and if necessary, revise the specified parameters. In addition, make sure the status of the SMI-S provider and the SMI-S Enabled subsystem are correct. If this problem persists, contact the SMI-S provider administrator. |
| KAIC05888-E | An attempt to access the SMI-S Enabled provider has failed. Make sure the following parameters are correct: SMI-S provider IP address, port number, user ID and password. (WBEM error code = "*WBEM-error- code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", subsystem name = "*subsystem-name*") | Make sure the following parameters are correct, and the try again: SMI-S provider IP address, port number, user ID and password. |
| KAIC05889-E | The environment for the SMI-S Enabled subsystem is invalid. (WBEM error code = "*WBEM-error- code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", subsystem name = "*subsystem-name*") | Contact the Support Center. |
| KAIC05890-E | An internal error occurred during access to an SMI-S Enabled subsystem. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", subsystem name = "*subsystem-name*") | Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05891-E | An unexpected error occurred during access to an SMI-S Enabled subsystem. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", subsystem name = "*subsystem-name*") | Contact the Support Center. |
| KAIC05900-E | The option of the specified journal group cannot be modified. | Check and, if necessary, revise the journal group type. |
| KAIC05902-E | "Inflow Control" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05903-E | "Inflow Control" cannot be modified because the specified journal group is a restore journal group. | Check and, if necessary, revise the journal group type. |
| KAIC05904-E | A pool volume cannot be added because the status of the pool whose function is "PP Name (*QuickShadow*)" and whose pool ID is "*pool ID*" is blocked unless the usage rate is 100%. | Recover from the pool blocked status, and then retry the operation. |
| KAIC05905-E | "Data Overflow Watch" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05906-E | "Data Overflow Watch" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*". | |
| KAIC05907-E | "Path Watch Time" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*". | |
| KAIC05908-E | "Path Watch Time" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*". | |
| KAIC05909-E | "Path Watch Time" cannot be modified because the specified journal group is a restore journal group. | Check and, if necessary, revise the journal group type. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05910-E | "Forward Path Watch Time" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05911-E | "Forward Path Watch Time" cannot be modified because the specified journal group is a restore journal group. | Check and, if necessary, revise the journal group type. |
| KAIC05912-E | "Use of Cache" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05913-E | "Use of Cache" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05914-E | "Speed of Line" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05915-E | "Speed of Line" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05916-E | "Delta resync Failure" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*". | Check and, if necessary, revise the journal group type and the mirror status. |
| KAIC05917-E | "Delta resync Failure" cannot be modified because the specified journal group is a restore journal group. | Check and, if necessary, revise the journal group type. |
| KAIC05918-E | A pool volume cannot be added because the status of the pool whose function is "*PP Name (Dynamic Provisioning)*" and whose pool ID is "*poolID*" is blocked. | Recover from the pool blocked status, and then retry the operation. |
| KAIC05919-E | Virtual volumes for "*PP Name (Quick Shadow)*" virtual volumes cannot be created because the number of virtual volumes for "*PP Name (Quick Shadow)*" has already reached the maximum allowed. | Revise the settings. |
| KAIC05990-E | An internal error occurred. (detailed information = "*detailed-information*") | Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC05991-E | An attempt to create a volume has failed. Check whether a required license for the SMI-S Enabled subsystem is missing or whether a hardware error has occurred. | If this problem occurs again, contact the SMI-S provider administrator. |
| KAIC05992-E | The request was not completed within the time limit. Only part of the changes made to the configuration might have been applied to the SMI-S Enabled subsystem. | Refresh the SMI-S Enabled subsystem, and then check the changed settings. If this problem occurs again, contact the SMI-S provider administrator. |
| KAIC05993-E | There is no response from the connection destination (*IP-address*). | Make sure that the IP address and connection protocol are correct, and then try again. |
| KAIC05994-E | An error occurred while accessing the virtualization-server management program or virtualization server. This might be because a specified parameter is invalid, or the virtualization-server management program or virtualization server is not in a normal status. | Revise the parameters settings, check the status of the virtualization-server management program and virtualization server, and then try again. If this problem persists, contact the Support Center. |
| KAIC05995-E | An attempt to access the virtualization-server management program or virtualization server failed. Confirm that the IP address, user ID, and password of the connection destination are correct. | Make sure that the IP address, user ID, and password of the connection destination are correct, and then try again. |
| KAIC05996-E | The virtualization server environment is invalid. | Contact the Support Center. |
| KAIC05997-E | An internal error occurred while accessing the virtualization-server management program or virtualization server. | Contact the Support Center. |
| KAIC05998-E | An unexpected error occurred while accessing the virtualization-server management program or virtualization server. | Contact the Support Center. |
| KAIC05999-E | The virtualization servers managed by the specified connection destination are already managed by another virtualization-server management program. The virtualization-server management configuration might have been changed. | Revise the virtualization-server management configuration. |

## Table 1-8 KAIC06000-KAIC06999: Storage Array Errors: SNMP, Etc.

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC06000-E | An unspecified storage array error was encountered. | Contact the Support Center. |
| KAIC06002-E | An unspecified error occurred while executing SNMP command. | |
| KAIC06003-E | An attempt to create the SNMP session on the device at IP Address "*IP-address or host-name*" has failed. | An internal server error was encountered due to a failure in the SNMP library. Contact the Support Center. |
| KAIC06004-E | Error retrieving oid "*oid*" due to a null oid table. | An internal server error was encountered due to a failure in the SNMP library. Contact the Support Center. |
| KAIC06005-E | An attempt to retrieve the object ID "*oid*" has failed. | An error occurred while accessing the device via SNMP. This indicates a network connection or SNMP configuration error on the device. |
| KAIC06006-E | A null value for object ID "*oid*" was retrieved via SNMP. | |
| KAIC06007-E | An SNMP error of status "*status*" occurred while waiting for the command "*command*" to complete. | |
| KAIC06008-E | Communication timed out waiting for a response from the array. Check the network connection. | |
| KAIC06009-E | The SNMP set request has failed to execute the command "*command*". Error status = "*error-status*", index = "*index*". | |
| KAIC06010-E | An invalid command status trap was detected. | An internal server error was encountered in the command trap specification. Contact the Support Center. |
| KAIC06011-E | SNMP authentication has failed for the device at IP Address "*IP-address*". | The Device Manager Server must have read/write permission to perform management functions on the storage device. Check the SNMP community string and make sure that the read/write permissions are correct. |
| KAIC06012-E | The storage array cannot be accessed. An operation is in progress at the SVP. | An attempt to access the storage device failed as the SVP is currently in "Modify" mode. Device Manager Server must have exclusive access to the device to perform management functions. |
| KAIC06013-E | The device at IP Address "*IP-address*" was not identified as a family storage array. Check the IP address and SNMP agent configuration. | Check the IP address and SNMP agent connection. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC06100-E | The SNMP command has failed (command status = "*command-status*", meaning = "*meaning*"). Only part of the configuration change may have been applied. Refresh the subsystem. If you are a local user, contact the system administrator. | Refer to the applicable storage subsystem messages and recommended actions in this manual. Follow the recommended actions. |
| KAIC06101-E | The SNMP command has failed. Information is not available. A refresh of the storage subsystem is recommended. Contact your system administrator if you are a local user. | Perform a refresh on the storage array, and then retry. |
| KAIC06200-E | The subsystem serial number is invalid. | Contact the Support Center. |
| KAIC06299-E | An error occurred during processing on the subsystem (DampErrorCode = "*error-code-of-DAMP*", TransErrorCode = "*error-code-of-DampTrans*", message = "*error-message*"). If the configuration was being changed, refresh the subsystem. If you are a local user, contact the system administrator. | Refer to the applicable storage subsystem messages and recommended actions in this manual. Follow the recommended actions. |
| KAIC06300-E | The command has failed on the storage array. | Contact the Support Center. |
| KAIC06301-E | The Target ID mode of the controller is not "M-TID, M-LUN (mapping mode)". | Device Manager only supports the Target ID mode "M-TID, M-LUN (mapping mode)". For details about the Target ID mode, see the Disk Array Management Program manual or Storage Navigator Modular manual. |
| KAIC06302-E | An attempt to retrieve fibre channel port information for controller "*controller-ID*" has failed. | Contact the Support Center. |
| KAIC06303-E | An attempt to retrieve the fibre channel port information for port "*port-name*" has failed. | |
| KAIC06305-E | The LUN security option is not installed on the storage array. | Check the configuration of the storage device. The LUN security option must be installed to perform this function. |
| KAIC06306-E | The LUN security option is disabled on the storage array. | |
| KAIC06307-E | The LUN security cannot be modified, because the port is in HP mode. | To change the LUN security, disable the HP mode of the port. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC06309-E | The LUN "*LUN*" of the port "*port-name*" is already reserved for a non-existing LDEV "*device-number*". | Device Manager does not support management of the specified LUN. Use Disk Array Management Program or Storage Navigator Modular to release the LUN. |
| KAIC06311-E | The integrated LU option is disabled on the storage array. | Check the configuration of the storage device. The integration LU option must be enabled to perform this function. |
| KAIC06312-E | The integrated LU option is not installed on the storage array. | Check the configuration of the storage device. The integration LU option must be installed to perform this function. |
| KAIC06313-E | An attempt to retrieve port information for controller "*controller-ID*" has failed. | Contact the Support Center. |
| KAIC06314-E | An attempt to retrieve port information for port "*port-name*" has failed. | |
| KAIC06315-E | The host mode 2 "*name-of-host-mode-2*" for fibre port is invalid. | This may indicate a configuration error on the storage device. Check the configuration of the storage device. |
| KAIC06316-E | The host mode 2 "*name-of-host-mode-2*" for SCSI port is invalid. | |
| KAIC06317-E | The port option "*port-option*" for fibre port is invalid. | |
| KAIC06318-E | The port option "*port-option*" for SCSI port is invalid. | |
| KAIC06320-E | The subsystem does not support the host mode 2 "*name-of-host-mode-2*". | Check the microcode version of the subsystem. |
| KAIC06321-E | The target storage device is not in mapping mode. | This operation requires that mapping mode be enabled. Check the device configuration. For details about the mapping mode, see the Disk Array Management Program manual or Storage Navigator Modular manual. |
| KAIC06322-E | The request for the subsystem cannot be executed. The permission to manage the subsystem might have been acquired by another user. | Make sure the storage array is not being accessed by the built-in account of another application. If it is not being accessed, refresh the subsystem, and then try again. |
| KAIC06323-E | The request for the subsystem cannot be executed. The login session of the subsystem has expired. | A forced logout might have been executed because the account was invalidated. Make sure such an operation was not executed performed on the subsystem by another user. If no such operation was executed, refresh the subsystem, and then try again. |
| KAIC06330-E | The specified subsystem "*array-family*" is a SCSI model. It is not supported in Device Manager. | Check the subsystem. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC06400-E | An error occurred during processing on the subsystem (error code 1 = "*error-code-1*", error code 2 = "*error-code-2*", meaning = "*meaning*"). If the configuration was being changed, refresh the subsystem. If you are a local user, contact the system administrator. | Refer to the applicable storage subsystem messages and recommended actions in this manual. Follow the recommended actions. |
| KAIC06401-E | An error occurred in the format processing of the subsystem. (Error code = "*Error Code*") Remove the cause of the problem, and then refresh the subsystem. | Remove the cause of the problem, and then refresh the subsystem. |
| KAIC06402-E | Processing in the subsystem has not finished. Remove the cause of the problem, and then refresh the subsystem. | |
| KAIC06403-E | LDEV (devNum="*Device number*") is not in a formattable state. | Refresh the subsystem, and then revise the LDEV state. |
| KAIC06450-E | An error occurred during processing on the subsystem (error code 1 = "*error-code-1*", error code 2 = "*error-code-2*", meaning = "*meaning*"). If the configuration was being changed, refresh both the subsystem and external subsystem. If you are a local user, contact the system administrator. | Take action based on the applicable storage subsystem messages and recommended actions in the Device Manager error manual. |
| KAIC06999-E | The SNMP command was cancelled after repeated failures. | Contact the Support Center. |

## Table 1-9 KAIC07000-KAIC08999: Command (Agent) Errors

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07000-E | Unspecified agent error was encountered. | Contact the Support Center. |
| KAIC07001-E | Device Manager does not support the operation "*operation*" for the storage array type. | Device Manager Server does not support requests on the specified storage device. |
| KAIC07002-E | The license key required for the operation is not installed. | Install the required license key. |
| KAIC07003-E | The license key required for the operation is not active. | Activate the required license key. |
| KAIC07004-E | Invalid "LU" parameter. Integer expected. | Make sure the "LU" is an integer value, and then retry. If this problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07005-E | Missing parameter: Storage Array "objectID". | The ObjectID parameter of Storage Array is required. Provide the missing parameter, and then retry. |
| KAIC07006-E | Missing parameter: Port "objectID". | The ObjectID parameter of the port is required. Provide the missing parameter, and then retry. |
| KAIC07007-E | Missing parameter: Path "objectID". | The ObjectID parameter of Path is required. Provide the missing parameter, and then retry. |
| KAIC07008-E | Missing parameter: "WWN". | The WWN parameter is required. Provide the missing parameter, and then retry. |
| KAIC07009-E | The value for the "scsiID" parameter is incorrect. | Check the SCSI ID. Make sure that the SCSI ID is correct, and then retry. If this problem persists, contact the Support Center. |
| KAIC07010-E | The specified WWN "*WWN*" is invalid. | Make sure that the WWN parameter has the proper format. |
| KAIC07011-E | Missing parameter: WWNGroup "objectID". | ObjectID parameter of the WWNGroup is required. Provide the missing parameter, and then retry. |
| KAIC07012-E | Missing parameter: LUNGroup "objectID". | The ObjectID parameter of the LUNGroup is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07013-E | The objectID references an incorrect object type for the request. | Check the type of the specified object. |
| KAIC07014-E | Missing parameter: Logical Group "objectID". | The ObjectID parameter of the Logical Group is required. Provide the missing parameter, and then retry. |
| KAIC07015-E | Missing parameter: Host "objectID". | The ObjectID parameter of the Host is required. Provide the missing parameter, and then retry. |
| KAIC07016-E | Missing parameter: Logical Group Element "objectID". | The ObjectID parameter to be registered for the logical group as a logicalGroup element is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07017-E | Missing parameter: "objectID". | The ObjectID parameter is required. Provide the missing parameter, and then retry. |
| KAIC07018-E | The specified logical group ("*Logical-group-path*") does not exist. | Revise the parameter specifications. |
| KAIC07019-E | Missing parameter: Host "name". | The Name parameter of the Host is required. Provide the missing parameter, and then retry. |
| KAIC07020-E | A required element is missing from the request. "*element*" | Make sure that all of the required elements of a request are in place. Provide the missing element, and then retry. If this problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07021-E | There is more than one instance of the logical group ("*Logical-group-path*"). Specify the object ID. | Revise the parameter specifications. |
| KAIC07022-E | Missing parameter: Host Info "*unspecified-parameter*". | Specify the object name not registered in the Host Info. |
| KAIC07023-E | The logical group parent is invalid. A group cannot be its own parent. | Specify a logical group that is not also its own parent group. |
| KAIC07024-E | The logical group parent is invalid. The request creates a circular group dependency. | The relationship between the logical group parent and logical group child is invalid. Check the specified group. |
| KAIC07025-E | The logical group parent was not found in the Device Manager database. | Check the logical group parent. |
| KAIC07026-E | The logical group was not found in the Device Manager database. | Check the logical group. |
| KAIC07027-E | The storage array was not found in the Device Manager database. | Check the coding of storage array. |
| KAIC07028-E | The specified LDEV (devnum = "*Device number*") cannot be found in the Device Manager database. | Make sure that the specified LDEV is in the Device Manager database. |
| KAIC07029-E | The specified path (port ID = "*Port ID*", domain ID = "*Domain ID*", devNum = "*Device number*") cannot be found in the Device Manager database. | Check and, if necessary, revise the path specification. |
| KAIC07030-E | The host was not found in the Device Manager database. | Check the host. |
| KAIC07031-E | The host info was not found in the Device Manager database. | Check the host info. |
| KAIC07032-E | The "*parameter-name*" and "*parameter-name*" parameters cannot be specified at the same time. | Revise the specification. |
| KAIC07033-E | The number of elements specified in the request is invalid. (element = "*element-name*") | Revise the number of elements in the request, and then try the operation again. |
| KAIC07034-E | Missing parameter: User "loginID". | The User "loginID" is required. Provide the missing parameter, and then retry. |
| KAIC07035-E | This operation cannot be executed because the maximum number of registerable RCUs or SSIDs has already been created. | Delete any unnecessary RCUs or SSIDs, and then try again. |
| KAIC07036-E | Missing parameter: Rule "ruleID". | The Rule "ruleID" is required. Provide the missing parameter, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07037-E | This operation cannot be executed because the maximum number of registerable logical paths has been exceeded. | Delete any unnecessary logical paths, and then try again. |
| KAIC07038-E | Missing parameter: UserGroup "name". | The UserGroup "name" is required. Provide the missing parameter, and then retry. |
| KAIC07039-E | The user group was not found in the Device Manager database. | Check the user group. |
| KAIC07040-E | Missing parameter: User "password". | The User "password" is required. Provide the missing parameter, and then retry. |
| KAIC07041-E | Missing parameter: User "groupName". | The user "groupName" is required. Provide the missing parameter, and then retry. |
| KAIC07042-E | The user group name is invalid. Specify no more than 25 characters for the name, using only the following characters: a-z A-Z 0-9 - = \ ` , . _ | Revise the entered user group name. |
| KAIC07043-E | The user ID is invalid. Specify a user ID by using the following rules. Input rules : "*input-rules-for-user-ID*" | Revise the entered password. |
| KAIC07044-E | The password is invalid. Specify a password by using the following rules. Input rules: "*input-rules-for-passwords*" | |
| KAIC07045-E | The specified group "*specified-logical-group-name*" is not available because a child group with that name already exists under the group "*target-parent-logical-group-name*". | Change the name of the child group, and then retry. |
| KAIC07046-E | The specified group "*specified-logical-group-name*" is not available because a top-level group with that name already exists. | Change the group name, and then retry. |
| KAIC07047-E | A zero-length name is not permitted. | Revise the request, and then try again. |
| KAIC07048-E | The file named "*file-name*" was not found. | Contact the Support Center. |
| KAIC07049-E | The file named "*file-name*" cannot be read. | |
| KAIC07050-E | The MCU-RCU or remote path cannot be created between the specified storage subsystems. | Revise the specification of the storage subsystem, and then try again. |
| KAIC07051-E | Missing parameter: Debug level "value". | The debug level "value" is required. Provide the missing parameter, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07052-E | The specified MCU port is not the Initiator. | Revise the specification of the logical path, and then try again. |
| KAIC07053-E | The debug level value "*debug-level-value*" is not valid. | Valid debug levels are 0 (All information) 1 (Informational messages and above) 2 (Warnings and above) 3 (Errors and above) 4 (Fatal errors only). Make sure that the "value" is valid, and then retry. |
| KAIC07054-E | An attempt to unregister Subscriber "*Subscriber-ID*" has failed. | The specified Subscriber "*Subscriber-ID*" does not exist. Make sure that the "*Subscriber-ID*" is valid. |
| KAIC07055-E | Missing parameter: Subscriber "topic". | The topic of Subscriber is required. Provide the missing parameter, and then retry. |
| KAIC07056-E | An attempt to register Subscriber "*Subscriber-ID*" has failed. | Contact the Support Center. |
| KAIC07057-E | Missing parameter: Network resource "IP Address". | The "IP Address" is required. Provide the missing parameter, and then retry. |
| KAIC07058-E | The operation cannot be performed because the MCU-RCU or remote path has already been created between the specified storage subsystems. | Revise the MCU-RCU or the remote path specification, and then try again. |
| KAIC07059-E | The "count" parameter is invalid, and needs to be a positive integer. This attribute should only be specified once. | Check the specified "count". Make sure that it is a positive integer, and then retry. |
| KAIC07060-E | This operation cannot be performed because the specified port is not in a modifiable combination. | Revise the specification of the port, and then try again. |
| KAIC07061-E | The "start" parameter is invalid, and needs to be a date. This attribute should only be specified once. | Check the specified "start". Make sure that it is a valid date, and then retry. |
| KAIC07062-E | Missing parameter: Object "name". | The object "name" is required. Provide the missing parameter, and then retry. |
| KAIC07063-E | Invalid parameter: Alert "number" or "source" required. | Both Alert "number" and "source" are required. Provide the missing parameters, and then retry. If this problem persists, contact the Support Center. |
| KAIC07064-E | The parent storage array could not be found. | Check the description of storage array. |
| KAIC07065-E | Missing parameter: Storage device "arrayFamily". | The "arrayFamily" of the storage device is required. Provide the missing parameter, and then retry. |
| KAIC07066-E | This operation cannot be performed because the specified logical path is already registered for the RCU. | Revise the specification of the path, and then try again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07067-E | Missing parameter: Storage device "searchCommunity". | Parameter "searchCommunity" of storage array is required. Provide the missing parameter, and then retry. |
| KAIC07068-E | The "objectID" parameter is invalid. | Make sure that the specified "objectID" is correct, and then retry. |
| KAIC07069-E | The logical group can only contain objects from a single storage array. | An attempt was made to add an object to a logical group. However, a group can only contain objects from a single array. |
| KAIC07070-E | The "Topic" parameter is invalid. | Make sure that the specified "Topic" is correct, and then retry. |
| KAIC07071-E | The parameter "name" exceeds the maximum possible length. | Make sure that the length of "name" does not exceed the maximum length, and then retry. |
| KAIC07072-E | The specified logical paths are not set. | Revise the specification of the logical path, and then try again. |
| KAIC07073-E | Invalid request target parameter: Expected "*expected-class-name*"; found "*specified-class-name*". | Contact the Support Center. |
| KAIC07074-E | Missing parameter: Port Controller "ID". | The Port Controller "ID" is required. Provide the missing parameter, and then retry. |
| KAIC07075-E | Missing parameter: Port Controller "Mode". | The "Mode" of Port Controller is required. Provide the missing parameter, and then retry. |
| KAIC07076-E | The value for Port Controller Mode is invalid. | Valid Port Controller value is required. See the Device Manager Server XML API manual. |
| KAIC07077-E | The requested mode cannot be set on a non-Fibre Channel Port Controller. | This request can only be attempted for a Fibre Channel port. |
| KAIC07078-E | The ports for the requested Port Controller could not be found. | Contact the Support Center. |
| KAIC07079-E | High Speed mode cannot be set because port "*port1-ID*" and port "*port2-ID*" have different host modes. | High Speed mode requires that port "*port1-ID*" and "*port2-ID*" have the same host mode. |
| KAIC07080-E | High Speed mode cannot be set because port "*port1-ID*" and port "*port2-ID*" have different topologies. | High Speed mode requires that port "*port1-ID*" and "*port2-ID*" have the same topology. |
| KAIC07081-E | High Speed mode cannot be set because port "*port1-ID*" and port "*port2-ID*" have the same fibre address. | High Speed mode requires that port "*port1-ID*" and "*port2-ID*" have the same fibre address. |
| KAIC07082-E | High Speed mode cannot be set because port "*port-ID*" topology is Point-To-Point. | High Speed mode requires that the topology of port "*port-ID*" be FC-AL. |
| KAIC07083-E | The high speed mode cannot be set because LDEV "*device-number*" is assigned to both port "*port1-ID*" and port "*port2-ID*". | Release the LDEV from one of the ports, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07084-E | The requested port has no WWN. | Check the WWN of port. |
| KAIC07085-E | Insufficient number of physical devices for array group. | The creation of an array group requires at least two physical devices. |
| KAIC07086-E | The requested host mode is not available on this storage array. | Check the host mode or storage array. |
| KAIC07087-E | Missing parameter: Rule "operation". | Rule "operation" is required. Provide the missing parameter, and then retry. |
| KAIC07088-E | Missing parameter: Rule "ruleType". | Rule "ruleType" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07089-E | Missing parameter: Rule "target". | Rule "target" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07090-E | A parameter is missing: "group name" must be specified. | "group name" is required. Specify the missing parameter, and then retry. |
| KAIC07091-E | Missing parameter: User "role". | User "role" is required. Provide the missing parameter, and then retry. |
| KAIC07092-E | The role is invalid. | Check the role of user. |
| KAIC07093-E | An invalid cluster number has been specified for the Port Controller. | Check the number of the Port Controller. |
| KAIC07094-E | High speed mode is unavailable. | High Speed mode is unsupported with the specified Port Controller. |
| KAIC07095-E | Invalid CHA number. | Assign a valid card number. |
| KAIC07096-E | Invalid topology number. | Assign a valid topology. |
| KAIC07097-E | Invalid fibre address. | Assign a valid fibre address. |
| KAIC07099-E | Invalid channel speed. | Assign a valid channel speed. |
| KAIC07100-E | The parameter "portID" is out of range. The valid range is "*minimum-port-ID*" to "*maximum-port-ID*". | Specify a valid value. |
| KAIC07101-E | The parameter "LU" is out of range. The valid range is "*minimum-LU*" to "*maximum-LU*". | |
| KAIC07102-E | The parameter "lun" is out of range. The valid range is "*minimum-lun(hex) (minimum-lun)*" to "*maximum-lun(hex) (maximum-lun)*". | |
| KAIC07103-E | The port was not found on the storage array. | Check the specified port and storage array. |
| KAIC07104-E | The LU "*device-number*" was not found on the storage array. | Check the specified LU and storage array. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07105-E | The LUN "*LUN*" was not found on the storage array. | Check the specified LUN and storage array. |
| KAIC07106-E | The LU "*device-number*" is already in use on port "*port-name*". | Check the LU. |
| KAIC07107-E | The LUN "*LUN*" is already in use on port "*port-name*". | Check the specified LUN. |
| KAIC07108-E | The LU "device-number" is an OnDemand device and cannot be used for an LUN. | Check the specified LU. |
| KAIC07109-E | This command cannot be processed, since both a "devNum" attribute of a Path element and LDEV elements are not specified. | Check the request. |
| KAIC07110-E | The LUN cannot be deleted, because one or more hosts are using it. LUN Security must be removed for this LUN before the path can be deleted. | Clear the LUN security for this LUN, and then retry. |
| KAIC07111-E | The WWN "*WWN*" cannot be deleted. The WWN was not found on the port. | Make sure that the WWN and LUN are specified correctly. Otherwise, no action is required. |
| KAIC07112-E | The port (portID = "*Port ID*") cannot be found in the storage subsystem. | Check and, if necessary, revise the port or storage subsystem specification. |
| KAIC07113-E | The number of logical paths cannot go below the set minimum number of paths. | Revise the specification of the logical path, and then try again. |
| KAIC07114-E | The security for this LUN cannot be changed, since it is part of LUNGroup "*LUN-group-nickname*". | Delete the LUNGroup, and reissue the secure LUN command. |
| KAIC07115-E | The LUN cannot be deleted, since it is part of LUNGroup "*LUN-group-nickname*". | Delete the LUNGroup, and then retry. |
| KAIC07116-E | The specified remote paths are invalid. One port from both controller0 and controller1 must be specified. | Revise the specification of the remote path, and then try again. |
| KAIC07117-E | The command cannot be executed because the specified WWN group is not on the port "*port-name*". | Make sure that the correct WWN group and port are specified, and then try again. |
| KAIC07118-E | The command cannot be executed because the specified LUN group is not on the port "*port-name*". | Make sure that the correct LUN group and port are specified. |
| KAIC07119-E | The LUN referenced by the HostInfo was not found in the storage array. | Check the LUN. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07120-E | The specified host ("*host-name-or-objectID*") does not exist. | Revise the parameter specifications. |
| KAIC07121-E | The logical group element cannot be deleted, because the element is not part of the Logical group. | Check the specified objectID. |
| KAIC07122-E | The host name "*host-name*" is already used by an existing host. | Specify a new host name. |
| KAIC07123-E | The host info record is already contained in the Device Manager database. | Check the HostInfo. |
| KAIC07124-E | The storage array with serial number "*serial-number*" was not found in the Device Manager database. | Check the specified objectID of the storage array. |
| KAIC07125-E | Cannot delete host "*host-name*", because one of the WWNs is securing an LUN. | Clear the LUN before deleting the host. |
| KAIC07126-E | The LDEV "*device-number*" is a "*PP Name (VolumeMigration)*" reserved volume and cannot be used for an LUN. | Check the LDEV. |
| KAIC07127-E | Invalid parameter: Filter "Condition volumeKind" | Make sure that the "Condition volumeKind" is valid. The valid Condition volumeKinds are "MAINFRAME", "INTERMEDIATE", "OPEN" or combinations of these. |
| KAIC07128-E | The logical unit with LU "*device-number*" is a command device. The LUN cannot be deleted. | Check the LU. |
| KAIC07129-E | The WWN "00.00.00.00.00.00.00.00" is invalid, and cannot be used to secure an LUN. | Make sure that the WWN is correct. |
| KAIC07130-E | An LUN cannot be added to a port of type "*port-type*". | Check the port. |
| KAIC07131-E | The SCSI ID "*SCSI-ID*" was not found on the storage array. | Check the SCSI ID. |
| KAIC07132-E | This operation cannot be performed for a port of the port type "*port-type*". | Check the port. |
| KAIC07133-E | The maximum number of WWNs ("*maximum-number-of-WWNs*") cannot be exceeded. | No more WWNs can be added to the port. Delete WWNs that are not used, and then retry. |
| KAIC07134-E | The WWN "*WWN*" is already in use by host "*host-name*". | Check the specified WWN. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07135-E | Physical device #"*PDEV-ID*" is already in use (role = "*role*"). | Check the PDEV "*pdevID*". |
| KAIC07136-E | Physical device #"*PDEV-ID*" is not on the proper chassis for the array group. | A PDEV with chassis specified as array groups is required. |
| KAIC07137-E | A logical unit that has an LUN defined cannot be deleted. | The LUN must be deleted prior to deleting the logical unit. |
| KAIC07138-E | An array group that has an LUN defined cannot be deleted. | The LUN must be deleted prior to deleting the array group. |
| KAIC07139-E | Parameter "chassis" is out of range. The valid range is "*minimum-number-of-chassis*" to "*maximum-number-of-chassis*". | Specify a valid "chassis" range in within the range "*minimum-number-of-chassis*" to "*maximum-number-of-chassis*", and then retry. |
| KAIC07140-E | The Port Controller was not found in the Device Manager database. | Check the specified Port Controller. |
| KAIC07141-E | The maximum number of LDEVs ("*maximum-number-of-LDEVs*") for the array group cannot be exceeded. | Ensure that the number of LDEVs in the array group does not exceed the maximum, and then retry. |
| KAIC07142-E | An attempt to delete a spare drive has failed. The physical device #"*PDEV-ID*" is not a spare drive or is a spare drive which is currently being used. | Check the specified PDEV. |
| KAIC07143-E | The spare physical device #"*spare-physical-device-ID*" must be deleted from the array group. | Delete this array group to delete this spare physical device. |
| KAIC07144-E | An invalid emulation type was specified. | The emulation type specified is not supported by the operation. Device Manager Server can only create logical units using OPEN emulation. |
| KAIC07145-E | An invalid capacity was specified for the desired emulation type. | Make sure that the capacity falls within the valid range for the emulation type. |
| KAIC07146-E | Insufficient free space on the specified array group. | Specify the size within the scope of free space. For details, see the manual that corresponds to your storage subsystem. |
| KAIC07147-E | The maximum number of array groups ("*maximum-number-of-array-groups*") for the chassis cannot be exceeded. | Check the specified chassis. |
| KAIC07148-E | The parameter "defaultPortController" is out of range. The valid range is "*minimum-controller-number*" to "*maximum-controller-number*". | Specify a "defaultPortController" within the range "*minimum-controller-number*" to "*maximum-controller-number*", and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07149-E | Device Manager does not manage the specified Port Controller "*port-controller-ID*". | Check the specified Port Controller. |
| KAIC07150-E | Device Manager does not manage the specified port "*port-name*". | Check the specified port. |
| KAIC07151-E | Cannot find the specified storage array. | Check the specified storage array. |
| KAIC07152-E | The parameter "domainID" is out of range. The valid range is "*minimum-number-of-domainID*" to "*maximum-number-of-domainID*". | Specify a "domainID" within the range "*minimum-number-of-domainID*" to "*maximum-number-of-domainID*", and then retry. |
| KAIC07153-E | The domainID "*domainID*" is already in use on port "*port-ID*". | Change the domainID. |
| KAIC07154-E | The maximum number of HostStorageDomains ("*maximum-number-of-host-storage-domains*") for the port "*port-number*" cannot be exceeded. | Specify a valid value. |
| KAIC07155-E | The host storage domain (port ID = "*Port ID*", domainID = "*Domain ID*") cannot be found in the Device Manager database. | Check and, if necessary, revise the host storage domain specification. |
| KAIC07156-E | Missing parameter: HostStorageDomain "objectID". | The HostStorageDomain "objectID" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07157-E | Missing parameter: "host mode" in the ModifyPort request. | The HostStorageDomain "host mode" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07158-E | "name" of the specified object cannot be deleted. | Check the specified objectID. |
| KAIC07159-E | The partitioned storage administrator who manages this subsystem cannot modify the configuration of the port (port ID = "*Port ID*") that belongs to SLPR: "*SLPR-Number*". | Check and, if necessary, revise the port specification. |
| KAIC07160-E | The security for the LUN cannot be changed, because the WWN is part of WWNGroup "*WWNGroup*". | Delete the WWNGroup, and reissue the secure/unsecure LUN command. |
| KAIC07161-E | Invalid parameter: Filter "Condition type" | Revise the value you specified in Condition type. Valid values are ALL, FREE, ASSIGNED, UNASSIGNED and RESERVED. |
| KAIC07162-E | Missing parameter: "Port". | Port parameter required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07163-E | The specified port option is invalid. | This is an informational message only. No additional action is required. |
| KAIC07164-E | The specified host mode 2 is invalid. | |
| KAIC07165-E | Inconsistent combinations of host modes are specified for the same port. | The specified storage subsystem does not support different combinations of host modes for the same port. Revise the settings. |
| KAIC07166-E | Inconsistent combinations of host mode 2 are specified for the same port. | The specified storage subsystem does not support different combinations of host mode 2 for the same port. Revise the settings. |
| KAIC07167-E | XML Message has no API Version for the URLLink. | Contact the Support Center. |
| KAIC07168-E | The specified WWN does not exist on the target "*target-element*". | Check the specified WWN, and then retry. |
| KAIC07169-E | This operation cannot be performed for a Port Controller of E-NAS. | The operation is not supported for a Port Controller of E-NAS. |
| KAIC07170-E | The specified user ID is invalid. | Specify an effective user ID. |
| KAIC07171-E | The specified LU used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)* cannot be deleted. | Check and, if necessary, revise the LU specification. |
| KAIC07172-E | No more command devices can be added to the specified subsystem. | Up to 2 command devices can be specified. Delete any unnecessary command device, and then retry. |
| KAIC07173-E | This operation cannot be performed for a system volume (devNum = "*Device number*") of E-NAS. | The operation is not supported for an E-NAS system volume. |
| KAIC07174-E | For the specified emulation type "*emulation-type*", the creation capacity automatically computed from the specified size "*specified-size-in-KB*KB" is "*creation-size-in-KB*KB". Re-specify this value so that the creation capacity is within the range of "*lower-limit-size-in-KB*KB" to "*upper-limit-size-in-KB*KB". | Make sure that the capacity falls within the valid range for the emulation type. |
| KAIC07175-E | Free space is insufficient on the specified array group. Specify the size within the range of the free space. The automatically computed capacity for creation is "*creation-size-in-KB*KB". | Specify the size within the range of free space. |
| KAIC07176-E | A Command Device without an LUN defined cannot be added. | Perform this operation after the definition of an LUN. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07177-E | The last path of an LU (devNum = "*Device number*") set for a command device cannot be deleted. | Delete the command device, and then the path. |
| KAIC07178-E | The specified command option is invalid. | An invalid command option is specified. |
| KAIC07179-E | Invalid parameters: domainID and WWN cannot be specified at the same time. | Make sure that the request is correct. |
| KAIC07180-E | In LUSE creation, LDEV "*device-number*" overlaps and is specified. | Check the specification of LDEV. |
| KAIC07181-E | Missing parameter: LogicalUnit "commandDevice". | The commandDevice parameter of LogicalUnit is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07182-E | The LU "*device-number*" is a *PP Name (VolumeMigration)* reserved volume, and cannot be used for a command device. | Check the LU. |
| KAIC07183-E | The LU "*device-number*" is a LUSE device, and cannot be used for a command device. | |
| KAIC07184-E | The specified LU "*device-number*" cannot be used as a Command Device because it is being used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)*. | Check and, if necessary, revise the LU specification. |
| KAIC07185-E | The last path of an LU (devNum = "*Device number*") used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)* cannot be deleted. | Check and, if necessary, revise the path specification. |
| KAIC07186-E | To create a command device, the size of specified LU must be "*minimum size of LU which can create a command device*" KB or more. | Check the LU. |
| KAIC07187-E | If the specified path is not a representative LDEV configuring a LUSE, the path cannot be deleted. | Use Disk Array Management Program or Storage Navigator Modular to delete the path that is not a representative LDEV configuring a LUSE, and then use Device Manager to refresh the storage subsystem. |
| KAIC07188-E | The path for an LU used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)* cannot be deleted. | Check and, if necessary, revise the path specification. |
| KAIC07189-E | Device Manager Server does not support the operation "*operation*" for the specified LDEV. | Device Manager Server supports the operation for only open volumes. Check the specified LDEV. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07190-E | This command cannot be processed, since the specified LU is a command device. | Check the LU. |
| KAIC07191-E | This command cannot be processed, since the specified LU in not a command device. | |
| KAIC07192-E | The parameter "*element-name*" is insufficient. Either "*attribute-name-1*" or "*attribute-name-2*" must be specified. | Check the parameter. |
| KAIC07193-E | This command cannot be processed, since command device security is already set for the specified LU. | Check the LU. |
| KAIC07194-E | This command cannot be processed, since command device security is not set for the specified LU. | |
| KAIC07195-E | A non-OPEN emulation LogicalUnit cannot be set as a command device. | |
| KAIC07196-E | The LU "*device-number*" is already being used for "*PP Name (QuickShadow)*" "*volume type of QuickShadow*" . | |
| KAIC07197-E | An array group cannot consist of PDEVs with different drive types. | Make sure that the PDEV specification is valid. |
| KAIC07198-E | A RAID0 array group cannot consist of PDEVs with specified drive types. | |
| KAIC07199-E | The specified object already exists in the logical group "*LogicalGroup name*". | Revise the object specifications. |
| KAIC07200-E | The request has failed: empty messageID in request. | GetRequestStatus requires a valid messageID attribute. Add a valid messageID attribute to the request, and then retry. |
| KAIC07201-E | An attempt to create an external array group has failed. The specified external storage subsystem is in the same storage subsystem. | Revise the specification. |
| KAIC07202-E | The request has failed: messageID "*message-ID*" not found. | No data was found for message ID. This is most likely because the data was already retrieved. See if the Device Manager database has been updated with the results of the request (i.e. Add Storage Array). |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07203-E | This command cannot be executed because a normal volume and a V-VOL of "*PP Name (QuickShadow)*" are mixed in the specified LU (devNum = "*Device number*" and devNum = "*Device number*"). | Check and, if necessary, revise the LU specification. |
| KAIC07204-E | This command does not support the specified emulation type. | Specifiy "OPEN-V" as the emulation type. |
| KAIC07205-E | An invalid combination of path group IDs is specified. | Revise the specification. |
| KAIC07206-E | For a remote command device, the parameter "*number of LU*" cannot be specified for numOfLUs. | |
| KAIC07207-E | An attempt to create an external array group has failed because the combination of the specified port "*port-name*" and external storage subsystem port (WWN = "*port-WWN*") is invalid. | Revise the specifications for the port and external storage subsystem port. |
| KAIC07208-E | An attempt to create an external array group has failed because the combination of the specified port "*port-name*" and external storage subsystem volume (LUN = "*LUN*") is invalid. | Revise the specifications for the port and external storage subsystem volume. |
| KAIC07209-E | The external volumes for alternate paths are different. | Revise the alternate paths specification. |
| KAIC07210-E | The replication group is already registered in the Device Manager database. | Check the ReplicationGroup. |
| KAIC07211-E | The request failed, since a null objectID exists in ReplicationGroup. | "*api-name*" requires a valid objectID attribute in the ReplicationGroup. Add an objectID to the request, and then retry. |
| KAIC07212-E | An attempt to execute the request has failed. The object specified in ReplicationGroup was not found in the database. | Revise the request, and then try again. |
| KAIC07213-E | The request failed, since a null objectID exists in ReplicationInfo. | "*api-name*" requires a valid objectID attribute in the ReplicationInfo. Add an objectID to the request, and then retry. |
| KAIC07214-E | An attempt to execute the request has failed. The object specified in ReplicationInfo was not found in the database. | Revise the request, and then try again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07215-E | The request failed, since the specified ReplicationGroup is not handled by Device Manager. | Check the property file of the corresponding host agent. |
| KAIC07216-E | The request failed, since the specified ReplicationInfo is not in the specified ReplicationGroup. | Check the request, and then retry. |
| KAIC07217-E | The specified command option is invalid. The number of specified command option items is "*number-of-specified-option-items*", but the API requires at least "*minimum-items-api-requires*". | |
| KAIC07218-E | The specified command option is invalid. The number of specified command option items is "*number-of-specified-option-items*", but the API requires at most "*maximum-items-api-demands*". | |
| KAIC07219-E | The request failed, since the specified copyTrackSize "*copy-track-size*" is invalid. | |
| KAIC07220-E | The replication controller pair was not found in the Device Manager database. | Check what is specifies for the replication controller pair. |
| KAIC07221-E | The specified logical unit (array type = "*type-of-LU*", serial number = "*LU-serial-number*", device number = "*LU-device-number*") cannot be used in a pair because the host's I/O suppression mode is enabled. | Revise the logical unit specification. |
| KAIC07222-E | The specified LU "*device number*" cannot be used for a LUSE device because it is being used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)*. | Check and, if necessary, revise the LU specification. |
| KAIC07223-E | The LUSE cannot be deleted because the specified LU "*device number*" is used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)*. | |
| KAIC07224-E | The specified host mode option is invalid. | Revise the host mode option specification. |
| KAIC07225-E | The object ID of the host is not specified. | Revise the request, and then retry. |
| KAIC07226-E | The specified object ID of the host is invalid. | Specify the object ID of a host that batch-manages pairs. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07227-E | The object ID of "*Element-name*" cannot be specified. | Revise the request, and then retry. |
| KAIC07228-E | The specified "replicationOwnerHost" was not found in the Device Manager database. | |
| KAIC07229-E | The "*Element-name*" element is not specified. | |
| KAIC07230-E | The command cannot be executed because the specified LDEV "*Device number*" is protected. | Revise the LDEV specification. |
| KAIC07231-E | The command cannot be executed because a path is set for the specified LDEV "*Device number*". | |
| KAIC07232-E | The command cannot be executed because the specified LDEV "*Device number*" is set to a *PP Name (VolumeMigration)* reserved volume. | |
| KAIC07233-E | The command cannot be executed because the specified LDEV "*Device number*" is not a representative LDEV making up a LUSE Volume. | |
| KAIC07234-E | The command cannot be executed because the specified LDEV "*Device number*" is a pair device. | Revise the LDEV specification. |
| KAIC07235-E | The LDEV "*Device number*" specification is duplicated. | Revise the LDEV specification. |
| KAIC07236-E | Invalid parameter: Filter "Condition host" | Make sure that the "Condition host" is valid. The valid Condition hosts are "ASSIGNED" and "UNASSIGNED". |
| KAIC07237-E | Multiple instances of the same logical unit "*Device number*" have been specified. | Revise the specifications for the logical unit. |
| KAIC07238-E | It is not possible to create an unformatted logical unit in the specified subsystem. | Revise the subsystem specification. |
| KAIC07239-E | A Quick Format cannot be executed because there is no System Disk area. | Create the System Disk area, and then try again. |
| KAIC07240-E | This command cannot be executed, because the specified LU is being used as a remote command device in another subsystem. | Revise the LU specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07241-E | The command cannot be executed because the specified LDEV "*Device number*" was being used for *PP Name (Dynamic Provisioning)*. | Revise the LDEV specification. |
| KAIC07242-E | The LDEV "*device-number*" is a command device. The LDEV cannot be deleted. | Check the LDEV. |
| KAIC07243-E | The LU "*device-number*" cannot be formatted because it is an external volume, pool volume, or journal volume. | Check the specified LU, and then try again. |
| KAIC07244-E | The wait option and quickformat option cannot be specified at the same time. | Check the request, and then try again. |
| KAIC07245-E | The specified external volume is a command device. When specifying the capacity of the LU, you need to specify the same capacity as the external volume. | Revise the LU specification. |
| KAIC07246-E | An attempt to create an external array group has failed because two or more combinations of the port "*port-name*" and external storage subsystem port (WWN = "port-WWN") are specified. | Revise the specifications for the port and external storage subsystem port. |
| KAIC07247-E | This operation cannot be performed for a port whose port role is "*port-role*". | Revise the port specification. |
| KAIC07248-E | The specified external volume is a command device. Mapping to an internal volume is required. | Revise the specification. |
| KAIC07249-E | The cache mode cannot be set for a remote command device. | Revise the specification. |
| KAIC07250-E | The LDEV related to the specified *PP Name (VolumeMigration)* migration plan was not found in the Device Manager database. | Check and, if necessary, revise the specification. |
| KAIC07251-E | The specified "*parameter-name*" was not found in the Device Manager database. | Revise the parameter specification. |
| KAIC07252-E | LUSE is set for the specified LDEV. The LDEV cannot be used for a *PP Name (VolumeMigration)* reserved volume. | Revise the LDEV specification. |
| KAIC07253-E | The specified *VolumeMigration* element objectID is invalid. | Revise the objectID specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07254-E | A path is set for the specified LDEV. The LDEV cannot be used for a *PP Name (VolumeMigration)* reserved volume. | Revise the LDEV specification. |
| KAIC07255-E | The specified LDEV is a command device. It cannot be used for a *PP Name (VolumeMigration)* reserved volume. | |
| KAIC07256-E | The specified LDEV is already set as a *PP Name (VolumeMigration)* reserved volume. | |
| KAIC07257-E | The specified LDEV is not *PP Name (VolumeMigration)* reserved volume. | |
| KAIC07258-E | An attempt to execute the request has failed. A set or release operation for the *PP Name (VolumeMigration)* reserved volume cannot be specified simultaneously. | Unify the specification of the reserved volume. |
| KAIC07259-E | The specified *PP Name (VolumeMigration)* migration plan is not in the subsystem ("*Array type*", "*Serial number*"). | Check and, if necessary, revise the request. |
| KAIC07260-E | An attempt to execute the request has failed. The same ownerID must be specified for all VolumeMigration elements. | Revise the ownerID specification, and then retry. |
| KAIC07261-E | Invalid parameters were specified. The same sourceDevNum "*sourceDevNum of volume migration*" was specified for two or more VolumeMigration elements in the request. | Revise the sourceDevNum specification for the VolumeMigration elements, and then retry. |
| KAIC07262-E | Invalid parameters were specified. The same targetDevNum "*targetDevNum of volume migration*" was specified for two or more VolumeMigration elements in the request. | Revise the targetDevNum specification for the VolumeMigration elements, and then retry. |
| KAIC07263-E | The owner ID specified in the request does not match the owner ID of the target volume. | Check the owner ID specifications. |
| KAIC07264-E | An attempt to execute the request has failed. The ownerID must be specified in the VolumeMigration element. | Specify the same value as the ownerID of the target volume related to the VolumeMigration element. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07265-E | An attempt to execute the request has failed. The emulation types of the specified source and target volumes do not match. | For the source and target volumes, specify volumes that have the same emulation type. |
| KAIC07266-E | An attempt to execute the request has failed. The size of the specified source and target volumes do not match. | For the source and target volumes, specify volumes that are of the same size. |
| KAIC07267-E | An attempt to execute the request has failed. The specified volume is a pair consisting of a standard volume and a CVS volume. | Specify standard volumes or CVS volumes for the source and target volumes. |
| KAIC07268-E | An attempt to execute the request has failed. Specify the same hihsmOwnerID for all LDEVs. | Revise the hihsmOwnerID specification, and then retry. |
| KAIC07269-E | The specified LDEV is protected. It cannot be used for a *PP Name (VolumeMigration)* reserved volume. | Revise the LDEV specification. |
| KAIC07270-E | An attempt to execute the request has failed. The specified LDEV is a pair device. It cannot be used for a *PP Name (VolumeMigration)* reserved volume. | Revise the request, and then retry. |
| KAIC07271-E | An attempt to execute the request has failed. The parameter "*Attribute name*" is outside the valid range. The valid range is from "*Min. parameter value*" to "*Max. parameter value*". | |
| KAIC07272-E | The specified LDEV cannot be used because it is set for ChacheResidency. | Revise the LDEV specification. |
| KAIC07273-E | The parameter is invalid. (Filter "Condition hostType") | Revise the specification, then retry. |
| KAIC07274-E | The object ID of the host or the host name cannot be specified at the same time as the filter used for selecting the host. | |
| KAIC07275-E | The specified LDEV is being used for *PP Name (Dynamic Provisioning)*, and cannot be used for *PP Name (VolumeMigration)*. | Check the microcode version of the subsystem. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07276-E | The path cannot be set because the specified LDEV "*Device number*" is being used in the pool of *PP Name (Dynamic Provisioning)*. | Make sure the LDEV specifications are correct. |
| KAIC07277-E | A *PP Name (Dynamic Provisioning)* volume cannot be deleted in Device Manager. | Revise the LogicalUnit specification. |
| KAIC07278-E | A parameter is not specified. ("*parameter*") | Revise the specification, and then try again. |
| KAIC07279-E | The specified user ID or password is too long. This user ID and password cannot be used to access the SMI-S provider from Device Manager. Specify a user ID and password by using 1024 bytes or fewer, and then try again. | Specify a valid user ID and password, and then try again. |
| KAIC07280-E | The specified LDEV has a different logical DKC. The system cannot create the LUSE. (devNum = "*Device number*") | Revise the LDEV specification. |
| KAIC07281-E | A parameter is invalid. (Filter: "Condition portType") | Revise the specification, and then retry the operation. |
| KAIC07282-E | The P-VOL's pool ID does not match the S-VOL's pool ID. | Revise the pool ID specification. |
| KAIC07283-E | The specified pool does not exist in the Device Manager database. | Revise the pool specification. |
| KAIC07284-E | An attempt to execute the request has failed. All replication pairs in the same replication group must use the same Pool. | Revise the request, and then try again. |
| KAIC07285-E | A parameter is invalid. (parameter = "*parameter*") | Revise the specification, and then try again. |
| KAIC07286-E | This operation cannot be performed because the command device is not specified. | Specify the command device, and then try again. |
| KAIC07288-E | This operation cannot be performed because the specified ports are not Fibre Channel ports. | Revise the specification of the ports |
| KAIC07289-E | This operation cannot be performed because the specified ports are not SLPR:0 ports. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07290-E | This command cannot be executed because the specified LDEV "*device-number*" is being used by a pool of "*PP-name (Dynamic Provisioning)*". | Revise the LDEV specification. |
| KAIC07291-E | No more DM-LUs can be added to the specified subsystem. | Delete any unnecessary DM-LUs |
| KAIC07292-E | This operation cannot be performed because the specified LU size, "*LU-size*" GB, is insufficient. | Revise the specification of the LU |
| KAIC07293-E | This operation cannot be performed because the specified LU is not set as a DM-LU. | |
| KAIC07294-E | The specified LU is not in the Device Manager database. | |
| KAIC07295-E | This operation cannot be performed because the specified remote path does not use a Fibre Channel connection. | Revise the remote path specification, and then try again. |
| KAIC07296-E | The executed command cannot use the specified volume "*Device number*". | Device Manager does not support operations on High Availability Manager volumes or External Storage Availability Manager volumes. Release the High Availability Manager or External Storage Availability Manager configuration for the selected volume or select a different volume, and then retry the operation. |
| KAIC07297-E | Device Manager cannot be used to perform operations on the specified pair or pairs. | Device Manager does not support operations on High Availability Manager copy pairs or External Storage Availability Manager copy pairs. Release the High Availability Manager or External Storage Availability Manager configuration for the selected copy pair or select a different copy pair, and then retry the operation. |
| KAIC07298-E | This operation cannot be performed because the specified LU is already set as a DM-LU. | Revise the specification of the LU |
| KAIC07299-E | The serial number of the specified subsystem (IP address = "*IP-address*") does not match the serial number registered in Device Manager. The serial number might have been changed during maintenance work. (registered serial number = "*registered-serial-number*", current serial number = "*current-serial-number*") | Delete the target subsystem information from Device Manager, and then re-add it. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07300-E | A negative value is specified for the Messages timeToWait attribute. | Specify a valid value. |
| KAIC07301-E | The Subscriber is not registered. | Register the Subscriber by using AddSubscriber in the XML-API. |
| KAIC07302-E | Missing parameter in the URLLink request. | Check the specified URLLink. |
| KAIC07303-E | The URLLink in the request does not exist. | Revise the option and objectID specification. |
| KAIC07304-E | The URLLink request contains both the objectID and linkedID parameters. | Either objectID or linkedID must be specified, but not both. |
| KAIC07305-E | The objectID in the URLLink request does not reference a known storage array. | Check the specified storage array. |
| KAIC07306-E | URLLink acquired from an SMI-S Enabled subsystem cannot be deleted. | Check the specified URLLink. |
| KAIC07307-E | The object specified for linkedID cannot be found. | Revise the option and linkedID specification. |
| KAIC07308-E | Device Manager does not support URLLink operations for specified Device Manager objects. | Revise the URLLink specification. |
| KAIC07310-E | The host is not specified for performance data acquisition. Specify the host for the property "server.cim.agent" in the "server.properties" file, restart Device Manager Server, and the retry the operation. | None. |
| KAIC07311-E | Device Manager does not manage the specified host "*Host name*". | Add the specified Host, and the retry. |
| KAIC07312-E | The Port parameter and LogicalUnit parameter cannot be specified at the same time. | Revise the specification, and then retry the operation. |
| KAIC07313-E | Neither the Port parameter nor the LogicalUnit parameter is specified. | Revise the specification, and then retry the operation. |
| KAIC07314-E | The specified storage subsystem does not support performance data acquisition, or the necessary microcode version is not installed. | Revise the specification, and then retry the operation. |
| KAIC07315-E | The specified range of LogicalUnit (from "*Lower value for LU range*" to "*Upper value for LU range*") is invalid. | Revise the specified parameters, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07320-E | The specified subsystem is not supported the DF series Performance retrieval function. | Check the specified Parameter, and then retry. |
| KAIC07321-E | The specified label "*label*" is invalid because the maximum length for a label is *maximum label length* bytes. | Revise the label specification, and then try again. |
| KAIC07322-E | The specified label "*label*" is invalid because an empty string cannot be specified as a label. | |
| KAIC07323-E | The specified label "*label*" is invalid because it contains an invalid character. | |
| KAIC07324-E | The same LDEV is specified by more than one element. | Revise the LDEV specification, and then try again. |
| KAIC07325-E | The specified LDEV already has a label. | Revise the LDEV specification, and then try again. |
| KAIC07326-E | The targetID parameter of ObjectLabel is missing. | The targetID parameter of ObjectLabel is required. Specify the missing parameter, and then try again. |
| KAIC07327-E | The label parameter of ObjectLabel is missing. | The label parameter of ObjectLabel is required. Specify the missing parameter, and then try again. |
| KAIC07328-E | The specified LDEVs belong to more than one storage subsystem. | Revise the LDEV specification, and then try again. |
| KAIC07331-E | The host storage domain (portID = " *port ID*", domainNickname = " *domain nickname*") cannot be found in the Device Manager database. | Revise the host storage domain specification. |
| KAIC07332-E | Invalid parameters: domainID and domainNickname cannot be specified at the same time. | Check and, if necessary, revise the parameters. |
| KAIC07333-E | Invalid parameters: domainNickname and WWN cannot be specified at the same time. | |
| KAIC07334-E | Invalid parameters: *parameter* and *parameter* cannot be specified at the same time.(element = *element*) | |
| KAIC07335-E | A required parameter is not specified. (element = *element*, parameter = *parameter*) | |
| KAIC07336-E | Invalid parameters were specified. The attribute "*parameter*" of the element "*element*" and element "*element*" cannot be specified at the same time. | Check and, if necessary, revise the parameters. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07337-E | The command option *option-name* cannot be specified for hosts of the type *host-type*. | Revise the specified host. |
| KAIC07350-E | The LUSE Feature is not available for the storage array. | The storage array does not support LUSE functionality. Check the specified storage array. |
| KAIC07351-E | All the LDEVs that make up a LUSE must have the same "*attribute-name*". The requested "*attribute-name*" of the LDEVs is "*value1*" (devNum = "*Device number*") and "*value2*" (devNum = "*Device number*"). | For the LDEVs that make up a LUSE, specify LDEVs that have the same "type". |
| KAIC07352-E | In this API version, LDEVs that constitute a LUSE cannot be specified in LUSE creation. | Check the Device Manager Server XML API manual and make sure that the running API version supports the command. |
| KAIC07353-E | The specified LDEV "*LDEV-identifier (devNum)*" is a reserved volume of *PP Name (VolumeMigration)*. This LDEV cannot be used in a LUSE. | Revise the specifications for the LDEVs that make up the LUSE, and then try again. |
| KAIC07354-E | The LDEV "*LDEV-identifier (devNum)*" currently exists as an LUN. This LDEV cannot be used in a LUSE. | Revise the specifications for the LDEVs that make up the LUSE. |
| KAIC07356-E | The number of LDEVs for the LUSE (devNum = "*Device number*") must be between "*minimum-number-of-LDEVs*" and "*maximum-number-of-LDEVs*". | Revise the specified number of LDEVs to be created for the LUSE. |
| KAIC07357-E | Response data not found for Transport Layer. | Contact the Support Center. |
| KAIC07358-E | The specified LDEV "*LDEV-identifier (devNum)*" is a RAID 0 LDEV. RAID 0 LDEVs cannot be used to create a LUSE. | Revise the specifications for the LDEVs that make up the LUSE. |
| KAIC07359-E | The microcode version of the storage array is insufficient for the requested LUSE operation. The microcode version is "*microcode-version*". | Check the version of the software contained in the storage subsystem. |
| KAIC07360-E | The LUSE cannot be created because the specified LDEVs (devNum = "*Device number*" and devNum = "*Device number*") have different default controllers. | Check and, if necessary, revise the specifications of the LDEVs that make up the LUSE. |
| KAIC07361-E | For Device Manager, the LDEV "*devNum-of-LDEV*" must be the representative LDEV in LUSE operations using the microcode "*microcode-version*" of this subsystem. | Revise the specifications for the LDEVs that make up the LUSE. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07362-E | The size of a created LUSE (devNum = "*Device number*") must be less than "*max-size-of-LUSE*TB". The specified size is "*size-of-LUSE*KB". | Check and, if necessary, revise the specifications of the LDEVs that make up the LUSE. |
| KAIC07363-E | A logical unit that has a LUSE defined cannot be deleted. The LUSE must be deleted before deleting the logical unit. | LUSE must be deleted before deleting LDEV. |
| KAIC07364-E | The LUSE cannot be created because the emulation type of a specified LDEV (devNum = "*Device number*") is not OPEN. | Check and, if necessary, revise the LDEV specification. |
| KAIC07365-E | An attempt to delete pairs has failed. | If this problem persists, contact the Support Center. |
| KAIC07366-E | The LUSE cannot be created because the drive types of the specified LDEVs (devNum = "*Device number*"and devNum = "*Device number*") are different. | Check and, if necessary, revise the specifications of the LDEVs. |
| KAIC07367-E | The specified LDEV "*Device number"* is being used for *PP Name (Dynamic Provisioning)*, and cannot be used for a LUSE. | Revise the LDEV specification. |
| KAIC07370-E | The specified subsystem ("*array-type*", "*serial-number (Secret)*") is not an object of Device Manager management. | This is an information message only. No additional action is required. |
| KAIC07380-E | Invalid parameter: "*element*", "*invalid-parameter*" | Check that all of the required parameters of the element are specified. If a parameter is missing, specify the missing parameter, and then retry. If this problem persists, contact the Support Center. |
| KAIC07381-E | An invalid value was specified in the ConfigurationChange element's type attribute. "*type attribute*" | Check the value of the ConfigurationChange element's type attribute. |
| KAIC07390-E | The specified storage subsystem does not support secure communication. | Revise the request, and then try again. |
| KAIC07391-E | An attempt to execute a request has failed. The specified communication protocol is invalid. | Revise the request, and then try again. |
| KAIC07400-E | HiScan SetHostVolume agent encountered an error : "*error-details*". | Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07401-E | The host IP address could not be resolved. | Revise the host agent settings and the host environment. If the problem persists, contact the Support Center. |
| KAIC07410-E | An attempt to update the host information has failed. Another operation that updates the host information is already being executed. | Retry. If this problem persists, contact the Support Center. |
| KAIC07411-E | An attempt to update the host information has failed. Another operation that sets up the host is being executed. | |
| KAIC07412-E | An attempt to update the host information has failed. Another operation is accessing the host information. | |
| KAIC07413-E | The updating of the host information was interrupted. | Device Manager Server may be shutting down. Check the Device Manager Server status, and then retry. |
| KAIC07414-E | The specified host "*host-name*" cannot be deleted because the host type of that host is "External port". | Revise the host specification. |
| KAIC07415-E | The WWNs of the specified host "*host-name*" cannot be changed because the host type of that host is "External port". | |
| KAIC07416-E | The AddHostRefresh operation is not supported for a host whose host type is "*host-type*". | |
| KAIC07417-E | The file server information "*the-information-attempted-to-be-changed*" cannot be changed. | Revise the specified host. |
| KAIC07420-E | WWNs cannot be added to a mainframe host. | |
| KAIC07421-E | The specified host type "*host-type*" is invalid. | Revise the host type specification. |
| KAIC07422-E | This API cannot modify information of the specified host "*host-name*". | Revise the host specification. |
| KAIC07423-E | The host "*host-name*" cannot be merged because its host type is *host-type*. | Revise the host specification. |
| KAIC07424-E | The host "*host-name*" does not have a WWN or iSCSI name. | Revise the host specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07425-E | The host "*host-name-or-objectID*" is specified more than once. | Revise the host specification. |
| KAIC07426-E | The same host is specified for the target and source hosts. | Revise the host specification. |
| KAIC07433-E | A host that is not a virtualization server was detected for the specified IP address (*IP-address*). | Revise the host specification, and then try again. |
| KAIC07434-E | The AddHostRefresh command cannot be executed for virtualization servers in this API version. | Use a version of the API that supports the command. |
| KAIC07435-E | The information regarding the specified virtualization server is inconsistent. Refresh the virtualization server, and then retry the operation. | Refresh the virtualization server, and then retry the operation. |
| KAIC07436-E | The specified virtualization server is currently being refreshed. Wait a while, and then retry the operation. | Wait a while, and then retry the operation. |
| KAIC07440-E | An internal server error was encountered. An attempt to create the replication information has failed. | Contact the Support Center. |
| KAIC07441-E | An internal server error was encountered. The LogicalUnit that the host agent specifies was not found in the database. | Perform a refresh on subsystem ("*array-type*", "*serial-number*") or check the status of host agent. |
| KAIC07450-E | An internal server error was encountered. An attempt to acquire LogicalUnit information that is P-VOL or S-VOL has failed. | Contact the Support Center. |
| KAIC07452-E | An internal server error was encountered. An attempt to acquire information to access the host agent has failed. | |
| KAIC07453-E | An internal server error was encountered. An error occurred during the search for host agent(s) that will be accessed. Port "*port-number*" does not exist. | Contact the Support Center. |
| KAIC07454-E | An internal error occurred. | |
| KAIC07456-E | An attempt to operate "*open-or-close*" on host agent server "*URL-of-host-agent*" has failed. The response from the host agent was "*response-from-host-agent*". | Confirm the status of host agent. If there are no problems with the host agent, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07457-E | An error occurred during communicating with the host agent "*URL-of-host-agent*". | Check the host agent and the status of the network connection between Device Manager Server and host agent. If this problem persists, contact the Support Center. |
| KAIC07458-E | An internal server error was encountered. An attempt to create a request to the host agent has failed. The POST request of HTTP cannot be performed. | Contact the Support Center. |
| KAIC07459-E | An attempt to resolve the IP address of host agent Server has failed. | Check that the IP address of host agent is valid. |
| KAIC07460-E | The accessed host "*host-name*" is different from the host "*host-name*" registered in Device Manager. | Check that the host name and the IP address of the host agent in Device Manager are valid. |
| KAIC07461-E | An attempt to execute a request for the host agent has failed. (error details = "*error-message*") | Check the host agent and the status of the network connection between Device Manager Server and host agent. If this problem persists, contact the Support Center. |
| KAIC07462-E | The version of the host agent on host "*host-name*" is "*installed-version-host-agent*". However, version "*required-version*" or later of the host agent is required to execute the service. | Check the host agent on the host. |
| KAIC07470-E | An attempt to execute the request has failed. Execute the request again. | If this problem persists, contact the Support Center. |
| KAIC07471-E | An attempt to update the information for the displayed list has failed. | |
| KAIC07472-E | The storage subsystem information ("*Subsystem-name*") is inconsistent. Refresh the subsystem, and then try again. | Refresh the subsystem, and then try again. |
| KAIC07473-E | The storage subsystem information ("*Subsystem-name*") is being updated. Wait a while, and then perform the operation again. | Wait a while, and then perform the operation again. |
| KAIC07474-E | The value of the "*attribute-name*" parameter is outside the valid range from "*minimum-value*" to "*maximum-value*". | Specify a valid value. |
| KAIC07475-E | The sum of startElementNum and numOfElements is outside the valid range from "*minimum-value*" to "*maximum-value*". | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07476-E | The "*attribute-name*" parameter is missing in the requested "*element-name*" element. | Check whether the requested element has all the necessary parameters. If there are any missing parameters, specify them and then re-execute the command. |
| KAIC07477-E | Memory for the Device Manager server became insufficient while this operation was being performed. | If the command you executed is Add, Modify, or Delete, take the following action:<br>(1) Use the following procedure to check the status of the operation:<br>1. Increase the memory heap size for the Device Manager server.<br>2. If the command was executed for a storage subsystem or host, refresh the information of the storage subsystem or host.<br>3. Check the status of the operation.<br>(2) If necessary, perform the operation again.<br>If the command you executed is Get, take the following action:<br>(1) Use the following procedure to perform the operation again:<br>1. Restart the Device Manager server.<br>2. Do either of the following:<br>- Increase the memory heap size for the Device Manager server, and then perform the operation again.<br>- Reduce the amount of information to be collected, and then perform the operation again. |
| KAIC07478-E | An internal error occurred while registering a temporary user for the storage subsystem. | Contact the Support Center. |
| KAIC07479-E | The value of Over Provisioning Percent Alert Notice is outside the valid range from "*minimum-value*" to "*maximum-value*". | Specify a valid value. |
| KAIC07480-E | ISCSINames cannot be added to a mainframe host. | Revise the host specification. |
| KAIC07481-E | The specified ISCSIName "*ISCSIName*" is invalid because it exceeds the maximum length *maximum-length-of-ISCSIName* bytes. | Revise the specified ISCSIName, and then retry the operation. |
| KAIC07482-E | The specified ISCSIName "*ISCSIName*" is invalid because it contains an invalid character. | |
| KAIC07483-E | The portWWN and portISCSIName parameters are both specified in the request. | Specify either the portWWN or the portISCSIName parameter, but not both. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07484-E | ISCSINames cannot be specified for this HostStorageDomain because the port to which this HostStorageDomain belongs is a Fibre Channel port. | Specify a HostStorageDomain that belongs to an iSCSI port, and then retry the operation. |
| KAIC07485-E | The specified ISCSIName is invalid. | Revise the request, and then retry the operation. |
| KAIC07486-E | WorldWideNames cannot be specified for this HostStorageDomain because the port to which this HostStorageDomain belongs is an iSCSI port. | Specify a HostStorageDomain that belongs to a Fibre Channel port, and then retry the operation. |
| KAIC07487-E | The specified domain type "*domain-type*" is invalid. | Revise the domain type specification. |
| KAIC07488-E | ISCSINames are invalid on this storage subsystem. | Revise the storage subsystem specification. |
| KAIC07489-E | The following parameter is not specified: ISCSIName "iSCSIName". | Specify the ISCSIName, and then retry the operation. |
| KAIC07490-E | The ISCSIName "*ISCSIName*" does not exist in the Device Manager database. | Revise the request, and then retry the operation. |
| KAIC07491-E | The specified ISCSIName "*ISCSIName*" cannot be used because it is already being used for another ISCSIName on the same HostStorageDomain. | Specify an ISCSIName that is not already being used on the same HostStorageDomain, and then retry the operation. |
| KAIC07492-E | The Fibre Channel port attribute and the iSCSI port attribute cannot be specified at the same time. | Revise the request, and then retry the operation. |
| KAIC07493-E | The iSCSI port attribute cannot be specified for a Fibre Channel port. | |
| KAIC07494-E | The Fibre Channel port attribute cannot be specified for an iSCSI port. | |
| KAIC07496-E | The ISCSIName of the specified host "*host-name*" cannot be changed because the host is on an external port. | Revise the host specification. |
| KAIC07497-E | The specified nickname "*nickname*" is invalid for the specified ISCSIName "*ISCSIName*". | Revise the request, and then retry the operation. |
| KAIC07498-E | The ISCSIName "*ISCSIName*" is already being used by the host "*host-name*". | Revise the ISCSIName specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07499-E | The host "*host-name*" cannot be deleted because it includes an ISCSIName used for an LUN. | Delete the LUN security, and then delete the host. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07501-E | An error occurred while the fabric information was being acquired. | Contact the Support Center. |
| KAIC07502-E | An error occurred while the fabric information was being acquired. | |
| KAIC07503-E | Only one instance of this command can be executed at one time. | Wait a while, and then try again. |
| KAIC07504-E | The LUN Management option of the specified storage subsystem is not enabled. | Check the option list of the storage subsystem. |
| KAIC07505-E | The host information in the Device Manager database has been updated. Other update processing might have been executed while Host Scan was executing. | Make sure that other update processing is not executing, and then retry Host Scan. If this problem persists, contact the Support Center. |
| KAIC07506-E | Host Scan was not executed because no target storage subsystem was found. | This is an informational message only. No additional action is required. |
| KAIC07507-E | The host information in the Device Manager database has been updated. Other update processing might have been executed while hosts were being merged. | Make sure that no other update processing is being executed, and then try to merge the hosts again. If this problem persists, contact the Support Center. |
| KAIC07510-E | The configuration of purchasable optional features on the storage subsystem might have changed. | Refresh the storage subsystem, and then try again. |
| KAIC07511-E | No more users can be registered because the maximum number of users has already been registered in the specified storage subsystem. | Delete unnecessary users from the storage subsystem, and then retry the operation. |
| KAIC07512-E | A user ID that is the same as the temporary user ID is already registered in the storage subsystem. | Delete the already registered user ID from the storage subsystem, and then retry the operation. |
| KAIC07513-E | The *element-name* (*attribute-name*="*attribute-value*") is specified more than once. | Revise the *element-name* specification. |
| KAIC07514-E | The poolID "*poolID*" is already being used in the subsystem. | Revise the poolID specification, and then retry the operation. |
| KAIC07515-E | The *element-name* (*attribute-name*="*attribute-value*") was not found in the Device Manager database. | Revise the *element-name* specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07516-E | The specified operation cannot be executed because the value of the attribute *attribute-name* (*attribute-value*) is the value of the attribute *attribute-name* (*attribute-value*) or more. | Revise the *attribute-name* and *attribute-name* specifications, and then retry the operation. |
| KAIC07517-E | The *element-name* specification is invalid. The drive types of all *element-name*s in one pool must be the same. | Revise the *element-name* specification, and then retry the operation. |
| KAIC07518-E | The specified operation cannot be executed because the status of the *element-name* (*attribute-name*="*attribute-value*") is *status*. | Recover the status of *element-name*, and then retry the operation. |
| KAIC07519-E | The capacity "*capacity*" is invalid. Specify a value from *minimum-value* to *maximum-value*. | Revise the capacity specification, and then retry the operation. |
| KAIC07520-E | The specified operation cannot be executed for an array group that consists of *PP-Name* pool. | Revise the array group specification. |
| KAIC07521-E | The RAID level "*RAID-level*" cannot be specified for this operation. | Revise the RAID level specification, and then retry the operation. |
| KAIC07522-E | The combination of RAID level and the number of PDEVs is invalid. | Revise the RAID level and the number of PDEVs, and then retry the operation. |
| KAIC07523-E | The selected number of PDEVs does not match the pool combination (function="*PP-name*", poolID = "*poolID*"). | Revise the PDEV specification, and then retry the operation. |
| KAIC07524-E | The command option "*option-name*" has not been specified. | Specify the command option "*option-name*". |
| KAIC07525-E | The specified command option "*option-name*" is invalid. | Check and, if necessary, specify a different command option, and then retry the operation. |
| KAIC07526-E | The specified capacity of *element-name* (*attribute-name*="*attribute-value*") is invalid. Specify the capacity more than the current capacity. | Check and, if necessary, specify a different capacity, and then retry the operation. |
| KAIC07527-E | The specified operation cannot be executed because the pool (poolID="*pool-ID*") is blocked. | Unblock the pool, and then retry the operation. |
| KAIC07528-E | "*option-name*" has not been specified for command option 2. | Specify "*option-name*" for command option 2. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07529-E | The specified operation cannot be executed because status in pool (poolID="*pool-ID*") is not "*Normal*". | Recover from the pool status, and then retry the operation. |
| KAIC07530-E | The Over Provisioning Warning Threshold is outside the valid range. The valid range is from *minimum-value* to *maximum-value*. | Revise the Over Provisioning Warning Threshold, and then try again. |
| KAIC07531-E | The Over Provisioning Limit Threshold is outside the valid range. The valid range is from *minimum-value* to *maximum-value*. | Revise the Over Provisioning Limit Threshold, and then try again. |
| KAIC07532-E | The Over Provisioning Percent of the specified pool "*pool-ID*" has already exceeded the Over Provisioning Limit Threshold. | Revise the pool specification, and then retry the operation. |
| KAIC07533-E | Upon executing this command, the Over Provisioning Percent of the specified pool "*pool-ID*" will exceed the Over Provisioning Limit Threshold. | Revise the size and number of virtual volumes that will be created or changed, and then retry the operation. |
| KAIC07534-E | The specified operation cannot be executed because the Over Provisioning Warning Threshold (*attribute-value*) is greater than or equal to the Over Provisioning Limit Threshold (*attribute-value*). | Revise the Over Provisioning Warning Threshold and the Over Provisioning Limit Threshold, and then try again. |
| KAIC07550-E | The specified IPAddress "*IPAddress*" cannot be used because it is already being used by another port. | Specify an IPAddress that is not being used by another port, and then retry the operation. |
| KAIC07551-E | The format of the specified IPAddress "*IPAddress*" is invalid. | Specify the IPAddress by using a valid format. |
| KAIC07552-E | The format of the specified SubnetMask "*SubnetMask*" is invalid. | Specify the SubnetMask by using a valid format. |
| KAIC07553-E | The format of the specified DefaultGateway "*DefaultGateway*" is invalid. | Specify the DefaultGateway by using a valid format. |
| KAIC07554-E | The PortNumber specified for the port is invalid. | Specify a valid PortNumber. |
| KAIC07555-E | The keepAliveTime specified for the port is invalid. | Specify a valid keepAliveTime. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07556-E | The specified ISCSIName "*ISCSIName*" cannot be used because it is already being used by another HostStorageDomain on the same port. | Specify an ISCSIName that is not being used by another HostStorageDomains on the same port, and then retry the operation. |
| KAIC07557-E | The maximum number of ISCSINames ("*maximum-number-of-ISCSINames*") has been exceeded. | No more ISCSINames can be added to the specified port. Delete any unnecessary ISCSINames, and then retry the operation. |
| KAIC07558-E | The specified nickname "*nickname*" cannot be used because it is already being used by another ISCSIName on the same port. | Specify a nickname that is not being used by another ISCSIName on the same port, and then retry the operation. |
| KAIC07559-E | Device Manager does not support operations on this storage subsystem. The minimum microcode version is "*version*". | To perform this operation, the microcode version must be updated. |
| KAIC07560-E | The iSCSI attribute cannot be specified for the Fibre Channel HostInfo. | Revise the request, and then retry the operation. |
| KAIC07561-E | The Fibre Channel attribute cannot be specified for the iSCSI HostInfo. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07570-E | The LU "*device number*" cannot be used for a pool volume because it is an OnDemand device. | Revise the LU specification, and then try again. |
| KAIC07571-E | The drive type of all LUs that make up the specified pool must be same. | Revise the drive types of pool volumes, and then try again. |
| KAIC07572-E | A pool cannot be deleted because one or more V-VOLs exist. | Delete all V-VOLs used by the specified pool, and then try again. |
| KAIC07573-E | The pool volumes of specified pool cannot be deleted. | Check the subsystem functionality. |
| KAIC07574-E | A journal group cannot be changed or deleted, because it is used by Universal Replicator for Mainframe. | Specify a journal group that is not used by Universal Replicator for Mainframe, and then try again. |
| KAIC07575-E | The specified LU is not a volume of the specified journal group. | Revise the LU specification, and then try again. |
| KAIC07577-E | "Data Overflow Watch Time" could not be set, because the value for Inflow Control is "No". | Revise the journal group options, and then try again. |
| KAIC07578-E | The combination of values specified for "Path Watch Time" and "Unit of Path Watch Time" is invalid. | Revise the values of "Unit of Path Watch Time" and "Path Watch Time", and then try again. |
| KAIC07579-E | A journal volume cannot be deleted when the delta of the master journal group is "Hold". | Change the status of the pairs that use the journal group, and then retry the operation. |
| KAIC07581-E | The LU "*device number*" cannot be used as a pool volume/journal volume because the I/O suppression mode is active. | Revise the LU specification, and then try again. |
| KAIC07582-E | The LU "*device number"* cannot be used as a pool volume/journal volume because it is a system volume. | Revise the LU specification, and then try again. |
| KAIC07583-E | Journal volumes cannot be emptied during journal volume deletion. | Revise the LU specification, and then retry the operation. |
| KAIC07584-E | The specified journal group ID "*journal group ID*" is already used on the storage subsystem by PP Name (Universal Replicator). | Revise the journal group ID specification, and then try again. |
| KAIC07585-E | Operations cannot be performed for the specified journal group because it does not have any volumes. | Revise the journal group ID specification, and then try again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07586-E | The specified pool ID "*poolID*" is an invalid value. The pool ID must be "value 1" or "value 2". | Revise the pool ID specification, and then try again. |
| KAIC07588-E | When modifying a journal group, either a journal group option or an LU to be modified must be specified. | Revise the request, and then retry the operation. |
| KAIC07589-E | The specified pool/journal group cannot be added in this API version. | Make sure that the operation is supported in the specified API version. |
| KAIC07590-E | The specified pool/journal group cannot be deleted in this API version. | Make sure that the operation is supported in the specified API version. |
| KAIC07591-E | The specified pool/journal group cannot be modified in this API version. | Make sure that the operation is supported in the specified API version. |
| KAIC07592-E | A parameter is invalid. If you specify "Path Watch Time" or "Unit of Path Watch Time", you must specify both of them at the same time. | Specify both "Path Watch Time" and "Unit of Path Watch Time". |
| KAIC07593-E | The specified pool is invalid. | Revise the pool ID specification, and then try again. |
| KAIC07595-E | An attempt to execute the request has failed. The emulation types of the specified volumes are a combination of "*emulation type1*" and "*emulation type2*". | For the source and target volumes, specify volumes that have the same emulation type. |
| KAIC07596-E | The storage subsystem information ("*subsystem-name*") is incomplete. Refresh the subsystem, and then try again. | Refresh the subsystem, and then try again. |
| KAIC07600-E | The "*microcode-version*" microcode version of the storage subsystem cannot be used for the "*PP Name (Dynamic Provisioning)*" configuration. | Make sure the microcode version of the storage subsystem is correct. |
| KAIC07601-E | Device Manager does not support the "*operation*" operation except for the "*PP Name (Dynamic Provisioning)*" function. | Revise the function type, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07602-E | The LU cannot be used for a pool volume because the capacity of the LU "*device-number*" is outside the valid range. The capacity of a pool volume must be "*minimum-value(KB)*KB*(minimum-value(LBA)*LBA)" or more. | Revise the LU specification, and then retry the operation. |
| KAIC07603-E | The LU "*device-number*" cannot be used for a pool volume/journal volume because the LU is a LUSE devise. | |
| KAIC07604-E | The LU "*device-number*" cannot be used for a pool volume/journal volume because the LU has a path set. | |
| KAIC07605-E | The LU "*device-number*" cannot be used for a pool volume/journal volume because it is a reserved volume of "*PP Name (Volume Migration)*". | |
| KAIC07606-E | The LU "*device-number*" cannot be used for a pool volume/journal volume because it is a "*volume-attribute*" of "*PP Name*". | |
| KAIC07607-E | The LDEV "*device-number*" cannot be used for a pool volume/journal volume because its status is not "Normal". | Check the status of the LDEV, and then retry the operation. |
| KAIC07608-E | The LDEV "*device-number*" cannot be used for a pool volume/journal volume because it is protected. | Revise the LU specification, and then retry the operation. |
| KAIC07609-E | All LDEVs that make up a pool/journal group for "PP Name (Dynamic Provisioning)" must have the same CLPR. | |
| KAIC07610-E | LU "*device-number*", whose emulation type is "emulation-type", cannot be used for a pool volume/journal volume of "*PP Name (Dynamic Provisioning)*". | |
| KAIC07611-E | The LU "*device-number*" cannot be used for a pool volume/journal volume because it is a command devise. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07612-E | The LU "*device-number*" cannot be used for a pool volume/journal volume because it is set for "*PP Name (Cache Residency)*". | Revise the LU specification, and then retry the operation. |
| KAIC07613-E | The pool volume/journal volume cannot be added because the number of LUs will exceed the maximum number of pool volume/journal volume that make up a pool for "PP Name (Dynamic Provisioning)". | Reduce the number of specified LUs, and then retry the operation. |
| KAIC07614-E | The specified threshold "*threshold*" is invalid. | Specify a valid value, and then retry the operation. |
| KAIC07615-E | The specified pool ID "*poolID*" is already being used on the storage subsystem, for "*PP Name (Quick Shadow)*" or "*PP Name (Dynamic Provisioning)*". | Revise the pool ID specification, and then retry the operation. |
| KAIC07616-E | The specified poolID/journal group ID "*pool ID/journal group ID*" is invalid. A pool ID /journal group ID must be in the range from "*minimum-value*" to "*maximum-value*". | Revise the pool ID/journal group ID specification, and then retry the operation. |
| KAIC07618-E | The specified pool cannot be deleted because an LU is assigned to it. | Remove any assigned LUs from the pool, and then retry. |
| KAIC07620-E | The LU "*device-number*" is already assigned to a pool. | Revise the LU specification, and then retry the operation. |
| KAIC07621-E | "*volume-attribute*" and the pool must have the same CLPR. | Revise the pool and volume combination, and then retry the operation. |
| KAIC07622-E | An attempt to execute the request failed because the LU "*device-number*" is unassigned to pool. | Revise the LU specification, and then retry the operation. |
| KAIC07623-E | The LU "*device-number*" cannot be released from the pool because the LU has a path. | Release any paths for the LU, and then retry the operation. |
| KAIC07624-E | The LU "*device-number*" cannot be released from the pool because the LU is a LUSE volume. | Release the LUSE, and then retry the operation. |
| KAIC07625-E | The array group (chassis="*chassis*" number="*array-group-number*") already exists in the storage subsystem. | Revise the request, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07626-E | The specified device number "*device-number*" is already in use. | Revise the device number specification, and then retry the operation. |
| KAIC07627-E | The LDEV cannot be added, because the number of LDEVs will exceed the maximum number of LDEVs in the array group. | Reduce the number of specified volumes, and then retry the operation. |
| KAIC07629-E | An LU whose emulation type is "*emulation-type*" cannot be added to "*PP Name (Dynamic Provisioning)*". | Correct the specified emulation type, and then retry the operation. |
| KAIC07630-E | The specified array group was not found in the Device Manager database. | Revise the array group specification, and then retry the operation. |
| KAIC07631-E | The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it contains at least one LDEV that is assigned to a pool. | Specify the option "force", and then retry the operation. |
| KAIC07632-E | The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it contains at least one LU that has a path. | Release the paths set for the LU, and then retry the operation. |
| KAIC07633-E | The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it contains a LUSE volume. | Release the LUSE, and then retry the operation. |
| KAIC07634-E | The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it contains at least one protected LDEV. | Revise the array group specification, and then retry the operation. |
| KAIC07635-E | The specified device number "*device-number*" is invalid. | Specify another device number, and then retry the operation. |
| KAIC07636-E | The LU "*device-number*" cannot be deleted because it is assigned to a pool. | Specify the option "force", and then retry the operation. |
| KAIC07637-E | The LU "*device-number*" cannot be deleted because it has a path. | Release the paths set for the LU, and then retry the operation. |
| KAIC07638-E | The LU "*device-number*" cannot be deleted because it is a LUSE volume. | Release the LUSE, and then retry the operation. |
| KAIC07639-E | The LU "*device-number*" cannot be deleted because it is protected. | Revise the LU specification, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07640-E | A parameter is not specified : LU "emulation" | Specify the LU emulation type. |
| KAIC07641-E | A parameter is not specified : LU "dpPoolID" | Specify the pool ID. |
| KAIC07642-E | A parameter is not specified : LU "threshold" | Specify the LU threshold. |
| KAIC07643-E | All LUs that make up a pool for "*PP Name (Dynamic Provisioning)*" must have the same volume classes (internal or external). | Revise the LU specification, and then retry the operation. |
| KAIC07644-E | All LUs that make up a pool for "*PP Name (Dynamic Provisioning)*" must have the same cache mode. | |
| KAIC07647-E | The objectID of the array group is not specified. If you specify "exist" option, you must also specify the objectID of the array group. | Specify the objectID of the array group, and then retry the operation. |
| KAIC07648-E | The specified array group (chassis="*chassis*" number="*array-group-number*") is not used for "*PP Name (Dynamic Provisioning)*". | Specify an array group that is used for "*PP Name (Dynamic Provisioning)*". |
| KAIC07649-E | Specified LU (devNum="*device-number*") is not "*volume-attribute*" of "*PP Name*". | Specify *volume-attribute* of *PP Name*. |
| KAIC07650-E | An error occurred in Provisioning Manager Server. (Message ID:*Message-ID*) | Refer to the Provisioning Manager Server log. |
| KAIC07651-E | An error occurred when Provisioning Manager Server was invoked. | |
| KAIC07700-E | In the "*operation*" operation, an array group and LU cannot be specified at the same time. | Specify either an array group or an LU, and then retry the operation. |
| KAIC07701-E | "*option-name*" cannot be specified for command option 2. | Revise the request, and then retry the operation. |
| KAIC07702-E | The value specified for "*option-name*" of command option 2 is invalid. | |
| KAIC07703-E | The array group (chassis="*chassis*" number="*array-group-number*") have been specified more than once. | Revise the array group specification, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07704-E | The specified pool (function="*PP Name (Dynamic Provisioning)*" pool ID="*poolID*") was not found in the Device Manager database. | Revise the pool specification, and then retry the operation. |
| KAIC07705-E | A parameter is not specified : ArrayGroup "chassis" or "number". | Specify both "chassis" and "number" for ArrayGroup. |
| KAIC07706-E | In the specified request, the "chassis" and "number" attributes of the ArrayGroup element cannot be specified. | Revise the request, and then retry the operation. |
| KAIC07707-E | In the specified request, the number of requested ArrayGroup element must be one. | |
| KAIC07708-E | All "dpPoolID" attributes of LogicalUnit element must have the same value. | |
| KAIC07709-E | The number of elements specified in the request is invalid. In the specified request, one child element "*child-element-name*" must be specified for the "*parent-element-name*" element. | Revise the number of elements in the request, and then retry the operation. |
| KAIC07710-E | A required element is missing from the request. "*element-name*" or "*element-name*" | Revise the specification of the elements in the request. |
| KAIC07711-E | The array group (chassis="*chassis*" number="*array-group-number*") was not found in the storage subysystem. | Revise the specification of the array group and storage subsystem. |
| KAIC07712-E | The device number "*device-number*" is specified more than once. | Revise the device number specification. |
| KAIC07713-E | The drive types of all LDEVs that make up a single pool of "*PP Name (Dynamic Provisioning)*" must match. | Revise the specification of the LUs, and then retry the operation. |
| KAIC07714-E | A element "*element-name*" or attribute "*attribute-name*" is missing from the request. | Revise the request, and then retry the operation. |
| KAIC07715-E | The request contains both the capacityInKB parameter of the logical unit and the lba parameter of the LDEV. | Specify either the capacityInKB parameter of the logical unit or the lba parameter of the LDEV, but not both. |
| KAIC07716-E | An attempt to execute a request has failed. If option "*option-name*" is specified, the *element-name* element cannot be specified. | Revise the request, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07717-E | An attempt to execute a request has failed. If option "*option-name*" is specified, the *attribute-name* attribute in a *element-name* element cannot be specified. | Revise the request, and then retry the operation. |
| KAIC07720-E | An attempt to create a TrueCopy pair has failed. The LDEV "*LUSE*" is a LUSE device. The number of LDEVs in the LUSE must be less than "*max-number-of-LDEVs-in-LUSE*". | Make sure that the request is valid, and then retry. |
| KAIC07721-E | An attempt to create a TrueCopy pair has failed. The LDEV "*LUSE*" is a LUSE device. The RAID type and the number of data disks must be identical for all LDEVs in the LUSE. | |
| KAIC07722-E | An attempt to create a TrueCopy pair has failed. To create a TrueCopy pair using the V-VOL of a QuickShadow pair, the QuickShadow pair must be created beforehand. | |
| KAIC07723-E | An attempt to create a "*pair-name*" pair has failed. The LDEV "*LUSE*" is a LUSE device. The number of LDEVs in the LUSE must be less than "*max-number-of-LDEVs-in-LUSE*". | |
| KAIC07724-E | An attempt to create a TrueCopy Async pair has failed because the size of the LDEV that makes up the LUSE was smaller than 1 GB. | Check the size of the LDEV that makes up the LUSE. |
| KAIC07725-E | In this API version, the TrueCopyAsync pair operation for the specified storage subsystem is not supported. | Check the API versions supported by this storage subsystem. |
| KAIC07726-E | The data pool for the specified storage subsystem is not in the same default controller as the LU that will make up the pair. | Create a data pool, and then try again. |
| KAIC07727-E | An attempt to create a TrueCopy Async pair has failed because the default controller of the LU to be defined in S-VOL was not the same as the current controller. | Check the default controller and a current controller of the LU. |
| KAIC07728-E | Error occurred while parsing response from host agent. | Contact the Support Center. |
| KAIC07729-E | An error occurred while encoding the message. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07730-E | If you used Disk Array Management Program or Storage Navigator Modular to create an expanded LU from two or more volumes assign to an LUN, the expanded LU cannot be deleted. | Use Disk Array Management Program or Storage Navigator Modular to delete the LUN that cannot be used, and then use Device Manager to refresh the subsystem. |
| KAIC07731-E | Creation of an LDEV in the specified array group is not supported. | Revise the request, and then retry. |
| KAIC07734-E | Invalid information was sent from host agent. Serial number of the subsystem that has the replication volume was not specified. | Contact the Support Center. |
| KAIC07735-E | An attempt to get the information of the pair configuration on host "*host-name*" has failed. Error detail : "*error-detail*". | If this problem persists, contact the Support Center. |
| KAIC07736-E | The configuration file specified by instance number "*instance-number*" already exists on the host "*host-name*". | Specify another instance number, and then retry. |
| KAIC07737-E | The configuration file specified by instance number "*instance-number*" on Host "*host-name*" is not managed by Device Manager. | |
| KAIC07738-E | The configuration file specified by instance number "*instance-number*" on Host "*host-name*" does not exist on the host "*host-name*". | |
| KAIC07739-E | The specified group "*group-name*" exists in the configuration file (instance number "*instance-number*" on host "*host-name*"). | Specify another group name, and then retry. |
| KAIC07740-E | This API version does not support the LUN Management option. | Check this subsystem's option list. You can also check the Device Manager Server XML API manual and make sure that the running API version supports the command. |
| KAIC07741-E | A value for the attribute "*priority*" is not specified for all "*ExternalPathInfo*" elements. | Specify a value for the attribute "*priority*" either for all "*ExternalPathInfo*" elements or for no "*ExternalPathInfo*" elements. |
| KAIC07742-E | The same value has been specified for the attribute "*priority*" in multiple "*ExternalPathInfo*" elements. | Specify different values for the attribute "*priority*" in multiple "*ExternalPathInfo*" elements. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07743-E | The value specified for the attribute "*priority*" in the element "*ExternalPathInfo*" differs from that specified for the specified path group. | For the attribute "*priority*", specify the same value as the attribute "*priority*" set for the specified path group. |
| KAIC07750-E | The specified device name "*device-name*" exists in the configuration file (instance number "*instance-number*" on host "*host-name*"). | Specify another group name, and then retry. |
| KAIC07751-E | The specified group "*group-name*" does not exist in the configuration file (instance number "*instance-number*" on host "*host-name*"). | Specify another group name, and then retry. |
| KAIC07752-E | The host agent (URL = "*url-of-host-agent*") does not support the "*function-name*" function. | Use a host agent of version "*necessary-version*" or later. |
| KAIC07753-E | An error occurred during a pair operation. | If this problem persists, contact the Support Center. |
| KAIC07754-E | An attempt to delete the information for a pair configuration (instance number "*instance-number*" on host "*host-name*" and instance number "*instance-number*" on host "*host-name*") has failed. Error detail, host "*host-name*" : "*error-detail*" | |
| KAIC07755-E | An attempt to create a pair has failed. The specified pair configuration may remain in the configuration file (instance number "*instance-number*" on host "*host-name*" and instance number "*instance-number*" on host "*host-name*"). Error details: "*error-detail*" | |
| KAIC07756-E | An error occurred during processing of the service by the host agent. Host agent Error Message : "*host-agent-message*" Command Error Message : "*command-error-message*" | |
| KAIC07757-E | An error was detected in the host agent. Details: "*error-detail*" | |
| KAIC07758-E | The specified configuration file with instance number is "*instance-number*" does not exist on host "*host-name*". | Check that the configuration file exists on the host "*host-name*", and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07759-E | The specified configuration file (instance number "*instance-number*" on host "*host-name*") is not valid. The configuration file is changed, or, the specification of Command Device is invalid. | Check the configuration file (instance number "*instance-number*" on host "*host-name*"), and correct it if necessary. |
| KAIC07760-E | The content of the specified configuration file (instance number "*instance-number*") is not the same as that on the host "*host-name*". | Perform a refresh. |
| KAIC07761-E | The specified device name does not exist in the configuration file (instance number "*instance-number*" on host "*host-name*"). | |
| KAIC07762-E | An attempt to delete a pair has failed. Error detail, host "*host-name*" : "*error-detail*". | If this problem persists, contact the Support Center. |
| KAIC07763-E | Device Manager Server timed out. | |
| KAIC07764-E | An internal server error occurred, because the parameter "*parameter*" was not specified. | Contact the Support Center. |
| KAIC07765-E | An attempt to create a pair has failed. The specified pair configurations may remain in the configuration files (instance number "*instance-number*" on host "*host-name*" and instance number "*instance-number*" on host "*host-name*"). | If this problem persists, contact the Support Center. |
| KAIC07766-E | An attempt to start a HORCM instance (instance number "*instance-number*") on host "*host-name*" failed. | |
| KAIC07767-E | Some pairs may be not deleted. | |
| KAIC07768-E | An attempt to restart the HORCM instance (instance number "*instance-number*" on host "*host-name*") has failed. Error detail: "*error-detail*" | Contact the administrator of the host, and then restart the HORCM instance on the host. |
| KAIC07769-E | An internal server error occurred. An attempt to execute a service for the host agent has failed. | If this problem persists, contact the Support Center. |
| KAIC07770-E | An attempt to shut down the HORCM instance (instance number "*instance-number*" on host "*host-name*") has failed. Error detail: "*error-detail*" | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07771-E | An attempt to get the result of "*operation*" has failed. | |
| KAIC07772-E | An internal server error occurred. An attempt to create a request for the host agent was failed. | |
| KAIC07773-E | An attempt to create a pair has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*" | |
| KAIC07774-E | An attempt to create a pair has failed. Error detail, host "*host-name*" : "*error-detail*" | |
| KAIC07775-E | An attempt to create a pair has failed. The specified pair configurations may remain in the configuration files (instance number "*instance-number*" on host "*host-name1*" and instance number "*instance-number*" on host "*host-name2*"). Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*" | If this problem persists, contact the Support Center. |
| KAIC07776-E | An attempt to create a pair has failed. The specified pair configurations may remain in the configuration file (instance number "*instance-number*" on host "*host-name*"). Error details of Host "*host-name*" : "*error-detail*" | |
| KAIC07777-E | An attempt to create a pair has failed. The specified pair configurations may remain in the configuration file (instance number "*instance-number*" on host "*host-name1*"). Error details, Host "*host-name1*" : "*error-detail*", Host "*host-name2*" : "*error-detail*" | |
| KAIC07778-E | An attempt to execute a request has failed. The host agent returned an invalid response. | |
| KAIC07779-E | An attempt to delete the configuration file (instance number "*instance-number*" on host"*host-name*") has failed. Error detail : "*error-detail*" | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07780-E | An attempt to delete a pair has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*" | |
| KAIC07781-E | An attempt to delete information for a pair configuration (instance number "*instance-number*" on host "*host-name1*" and instance number "*instance-number*" on host "*host-name2*") has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*" | |
| KAIC07782-E | An attempt to delete information for a pair configuration (instance number "*instance-number*" on host "*host-name*") was failed. Error details : "*error-detail*". | Check the configuration file, and then correct it if necessary. |
| KAIC07783-E | An attempt to modify a pair has failed. Error details, host "*host-name*" : "*error-detail*". | If this problem persists, contact the Support Center. |
| KAIC07784-E | An attempt to modify a pair has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*". | |
| KAIC07785-E | An attempt to restart a HORCM instance (instance number "*instance-number*") on host "*host-name*" failed. | |
| KAIC07786-E | An internal error occurred in host agent ("*agent-url*"). | |
| KAIC07787-E | The host agent (host-name "*host-name*") cannot support the "*function-name*" function. Use "*PP on Host*" of version "*necessary-version*" or later on this host. | Check the host agent environment. |
| KAIC07788-E | Device Manager Server cannot operate the host agent service "*operation*". | |
| KAIC07789-E | An error occurred during processing of the service by the host agent. (error message from the host agent = "*error-message-from-host-agent*") | If this problem persists, contact the Support Center. |
| KAIC07790-E | An attempt to get volume information on host "*host-name*" has failed. Error detail : "*error-detail*". | Check the host agent status. If this problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07791-E | An attempt to get program product information on host "*host-name*" has failed. Error detail: "*error-detail*". | If this problem persists, contact the Support Center. |
| KAIC07792-E | An attempt to acquire pair volume information on the host "*host-name*" has failed. Error details: "*error-detail*". | |
| KAIC07793-E | An attempt to execute the request has failed. The specified LU "*device-number*" is being used by *PP Name (UniversalReplicator)*. | Revise the LU specifications, and then try again. |
| KAIC07794-E | Creation, modification, or deletion of UniversalReplicator or Continuous Access XP Journal pairs is not supported. | Revise the request, and then retry. |
| KAIC07795-E | The last path of an LU (devNum = "*Device number*") used by *PP Name (UniversalReplicator)* cannot be deleted. | Check and, if necessary, revise the specification. |
| KAIC07796-E | An attempt to execute the request has failed. The specified LU "*device-number*" is being used as a journal volume. | Revise the LU specifications, and then try again. |
| KAIC07797-E | LDEV of device number "*device-number*" cannot be used to make up a LUSE because the device number is smaller than the maximum device number of the LDEVs that make up the first specified LUSE. | To create a LUSE based on a LUSE that has already been configured, specify an LDEV with a device number larger than the maximum device number of the LDEVs that make up the first LUSE. |
| KAIC07798-E | The microcode version of the storage array is insufficient for the requested an LUSE operation using a path defined LDEV. The microcode version is "*microcode-version*" | Check the version of the software contained in the storage subsystem. |
| KAIC07799-E | An attempt to execute the request has failed. The specified LU "*device-number*" is being used as a system disk. | Revise the LU specifications, and then try again. |
| KAIC07800-E | There are too many elements in the request. The maximum number of "*element-name-in-XML-API*" elements which can be specified is "*maximum-number-of-elements*". | Revise the LU specifications, and then try again. |
| KAIC07801-E | A required element is missing from the request. Specify "*element-name*" elements. | Check that all of the required elements of a request are present. Provide the missing element, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07802-E | The number of elements specified in the request is insufficient. To execute this command, "*minimum-number-of-elements*" or more "*element-name*" elements are required. | Check the number of elements, then retry. |
| KAIC07803-E | Missing parameter: "*element-name*" "*attribute-name-of-element*". | Specify the required parameter, and then retry. |
| KAIC07804-E | A parameter is invalid. The same object is specified for at least two "Path" elements in the request. | Revise the specifications for the object of the path element, and then retry. |
| KAIC07805-E | Some parameters are incorrect. The same WWN "*WWN (xx.xx.xx.xx.xx.xx.xx.xx)*" is specified for two or more "WorldWideName" elements in the request. | Check the WWN specifications of the WorldWideName elements, and then retry. |
| KAIC07806-E | The command cannot be executed because the security switch for the specified port "*port-name*" is OFF. To execute this command, the security switch for the port must be ON. | Turn the security switch ON for the specified port, and then retry. |
| KAIC07807-E | An LUN group cannot be created because there are no paths on the specified port "port-name". To create an LUN group, there must be at least one path on the port at the creation destination. | Create at least one path on the specified port, and then retry. |
| KAIC07808-E | The command cannot be executed because executing it will cause the number of LUN groups on the specified port "*port-name*" to exceed the maximum number of LUN groups "*maximum-number-of-LUN-groups-that-can-be-created-on-a-port*" that can be created on a port. | Revise the specifications for the ports and LUN groups so they do not exceed the maximum number, and then retry. |
| KAIC07809-E | The command cannot be executed because executing it will cause the number of WWN groups on the specified port "*port-name*" to exceed the maximum number of WWN groups "*maximum-number-of-WWN-groups-that-can-be-created-on-a-port*" that can be created on a port. | Revise the specifications for the ports and WWN groups so they do not exceed the maximum number, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07810-E | The specified nickname "*nickname*" is invalid, since the maximum length for a nickname is "*maximum-length-of-nickname*" bytes. | Check the nickname, and then retry. |
| KAIC07811-E | The specified nickname "*nickname*" is invalid, since it contains a forbidden character. | |
| KAIC07812-E | The specified nickname "*nickname*" is not available. This nickname is already used by the other LUNGroup on the same port. | Specify a nickname that is not used by other LUNGroups on the same port, and then retry. |
| KAIC07813-E | The specified nickname "*nickname*" is not available. This nickname is already used by another WWN/WWNGroup on the same port. | Specify a nickname that is not used by other WWN/WWNGroups on the same port, and then retry. |
| KAIC07814-E | The specified path cannot be used because it belongs to another LUN group on the same port. | Specify a path that does not belong to another LUN group on the same port, and then retry. |
| KAIC07815-E | The specified WWN "*WWN*" is not available. This WWN already belongs to the other WWNGroup on the same port. | Specify the WWN which does not belong to other WWNGroups on the same port, and then retry. |
| KAIC07816-E | It is not possible to group paths that have different WWN securities each other. Paths that have same WWN securities or no WWN security must be specified. | Check the specification of paths, and then retry. |
| KAIC07817-E | It is not possible to group WWNs used by different paths. WWNs that are used by the same path(s), or are not used, must be specified. | Check the specification of WWNs, and then retry. |
| KAIC07818-E | The specified path is not a path on the port "*port-name*". A path that is on the specified port must be specified. | Revise the relationship between the specified port and path, and then retry. |
| KAIC07819-E | The specified WWN is a member of WWNGroup. In order to perform secure/unsecure by WWNGroup, specify all WWNs that are members of the WWNGroup. | Specify all members of the WWNGroup or specify WWN that does not belong to the WWNGroup, and then retry. |
| KAIC07820-E | The specified HostStorageDomain includes a path belonging to an LUNGroup. This command does not support secure/unsecure with paths belonging to an LUNGroup. | Check that there is no path belonging to the LUNGroup in the HostStorageDomain to specify, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07821-E | This operation for the WWN comprising a WWNGroup is not supported by the specified API version. | Check the Device Manager Server XML API manual and make sure that the running API version supports the command. |
| KAIC07822-E | The specified WWN "*WWN*" is not available. This WWN already belongs to HostStorageDomain "*HostStorageDomain*" on the same port. | Specify the WWN which does not belong to other HostStorageDomain on the same port, and then retry. |
| KAIC07823-E | A non-representative LDEV (devNum = "*Device number*") that is making up a LUSE was specified. A LUSE cannot be created by specifying a non-representative LDEV. | Check and, if necessary, revise the LDEV specification. |
| KAIC07824-E | A non-representative LDEV (devNum = "*Device number*") that is making up a LUSE was specified. A path cannot be set to a non-representative LDEV. | |
| KAIC07825-E | The specified nickname "*nickname*" is not available. This nickname is already used by another WWN/HostStorageDomain on the same port. | Specify a nickname that is not used by other WWN/HostStorageDomain on the same port, and then retry. |
| KAIC07826-E | The specified nickname "*nickname*" is not available. This nickname is already used by another HostStorageDomain on the same port. | Specify a nickname that is not used by other HostStorageDomain on the same port, and then retry. |
| KAIC07827-E | The specified nickname "*nickname*" is not available. This nickname is already used by another WWN on the same port. | Specify a nickname that is not used by other WWN on the same port, and then retry. |
| KAIC07828-E | The specified Host Storage Domain (nickname="*Nickname for Host Storage Domain*", portID="*Port ID*") does not exist. | Revise the parameter specifications |
| KAIC07829-E | The specified WorldWideName (nickname="*Nickname for WorldWideName*") does not exist in the Host Storage Domain (portID="*Port ID*", domainID="*Domain ID*"). | |
| KAIC07830-E | The last path of an LU (devNum = "*Device number*") set for *PP Name (QuickShadow)* cannot be deleted. | Delete the settings, then delete the path. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07831-E | In this API version, creation, modification, and deletion of "*PP Name (QuickShadow)*" pairs on the specified device is not supported. | Revise the request, and then retry. |
| KAIC07832-E | The specified ISCSIName (nickname = *Nickname for ISCSIName*) does not exist in the host storage domain (portID = *Port ID*, domainID = *Domain ID*). | Revise the specification. |
| KAIC07833-E | The specified host storage domain does not exist in the Device Manager database. | Revise the host storage domain specification. |
| KAIC07834-E | There is no communication protocol by which host "*host-name*" and host "*host-name*" can communicate with each other. | Revise the host settings. |
| KAIC07835-E | The IP address necessary to perform the specified operation is not registered with the host "*host-name*". | Revise the host agent version, the RAID Manager version, and/or the host settings. |
| KAIC07840-E | The specified port already has the maximum number of LUNs. | No more LUNs can be specified on this port, select a different port on which to add LUNs. |
| KAIC07841-E | The specified HostStorageDomain already has the maximum number of LUNs. | No more LUNs can be specified on this HostStorageDomain. Select a different HostStorageDomain on which to add LUNs. |
| KAIC07842-E | The specified LDEV (devNum = "*Device number*") is not a LUSE. | Make sure the specified LDEV is correct. |
| KAIC07843-E | The specified LUSE (devNum = "*Device number*") has an LUN. LUSEs that have LUNs cannot be deleted with the "DeleteLUSE" command. | Make sure the LUSE specification is correct. |
| KAIC07844-E | Some parameters are incorrect. The same ruleID "*ruleID*" is specified with two or more "Rule" elements in the request. | Check the specification of the ruleID of Rule elements, and then retry. |
| KAIC07845-E | An attempt is being made to set multiple volumes for the same port, group, or LUN group (portID = "*Port ID*", domainID = "*Domain ID*", lun = "*LUN*"). | Check and, if necessary, revise the specifications. |
| KAIC07846-E | The LDEV (devnum = "*Device number*") you are attempting to use, to make up the LUSE, is a command device. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07847-E | An attempt is being made to set multiple volumes for the same port, group, or LUN group (portID = "*Port ID*", lun = "*LUN*"). | |
| KAIC07848-E | The first specified LDEV (devNum = "*Device number*") must have the lowest number from among the LDEVs in the list. | Revise the specification, and then retry. |
| KAIC07849-E | For the specified request, if (type="*array-group type*") is specified in the ArrayGroup element, the dpPoolID or threshold attribute in a LogicalUnit element cannot be specified. | Revise the request, and then retry the operation. |
| KAIC07850-E | In the specified request, "*type*" attributes in more than one ArrayGroup element differ. All "*type*" attributes within the ArrayGroup elements must be the same. | Revise the specification of the ArrayGroup element "*type*" attributes, and then retry the operation. |
| KAIC07851-E | The "*force*" option cannot be specified for this ArrayGroup element. | Revise the request, and then retry the operation. |
| KAIC07852-E | A specified ArrayGroup element (chassis="*chassis*", number="*array-group number*") cannot be deleted because the LU "*device Number*" in the array group is a pair device. | Revise the specification of the ArrayGroup element, and then retry the operation. |
| KAIC07853-E | The specified LU "*device Number*" cannot be deleted because it is a pair device. | Revise the specification of the LogicalUnit element, and then retry the operation. |
| KAIC07854-E | This "*API or CLI*" version does not support deletion of "*PP name (QuickShadow)*" virtual volumes. | Check what "*API or CLI*" versions support deletion of "*PP name (QuickShadow)*" virtual volumes. |
| KAIC07855-E | This "*API or CLI*" version does not support creation of "*PP name (QuickShadow)*" virtual volumes. | Check what "*API or CLI*" versions support creation of "*PP name (QuickShadow)*" virtual volumes. |
| KAIC07856-E | This request cannot specify an ArrayGroup element that has the attribute (chassis="*chassis*"). | Revise the specification of the ArrayGroup element. |
| KAIC07857-E | This request cannot specify a LogicalUnit element that has the attribute (chassis="*chassis*"). | Revise the specification of the LogicalUnit element. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07858-E | In the specified request, "*type*" attributes in more than one LogicalUnit element differ. All "*type*" attributes within the LogicalUnit elements must be the same. | Revise the specification of the LogicalUnit elements. |
| KAIC07860-E | Missing parameter: DataRetention "*parameter-name*". At least one of these parameters is required to change the protection attributes. | Specify the required parameter, and then retry. |
| KAIC07861-E | The value for "*parameter-name*" is invalid. | Specify a valid value, and then retry. |
| KAIC07862-E | The specified LDEV is not an open volume. The protection attributes of the specified LDEV cannot be changed. | Check the specification of the LDEV. |
| KAIC07863-E | The specified LDEV is not a representative-LDEV. The protection attributes of the specified LDEV cannot be changed. | |
| KAIC07864-E | The specified LDEV is an OnDemand device. The protection attributes of the specified LDEV cannot be changed. | |
| KAIC07866-E | The specified LDEV is a *PP Name (VolumeMigration)* reserved volume. The protection attributes of the specified LDEV cannot be changed. | |
| KAIC07867-E | The specified LDEV is a command device. The protection attributes of the specified LDEV cannot be changed. | |
| KAIC07869-E | The specified LDEV is not protected. The retention term cannot be set for an LDEV that is not protected. | |
| KAIC07870-E | The specified LDEV is a pool volume. The protection attributes of the specified LDEV cannot be changed. | Revise the LDEV specification. |
| KAIC07871-E | When the ioAccess value is changed to a value other than Read/Write, replication cannot be set. | Revise the ioAccess and replication specifications. |
| KAIC07872-E | The ioAccess value is set to a value other than Read/Write, so replication cannot be set. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07880-E | The LUSE cannot be created because the CLPRs of the specified LDEVs (devnum = "*Device number*" and devnum = "*Device number*") are different. | Check and, if necessary, revise the LDEV specification. |
| KAIC07881-E | An attempt to execute the request has failed. The specified LU cannot be used for a Delta Resync pair. | Revise the request, and then retry. |
| KAIC07882-E | An attempt to execute the request has failed. The specified journal group cannot be used for a Delta Resync pair. | |
| KAIC07883-E | Execution of the request failed. At least one storage subsystem that makes up 3DC is not registered in the Device Manager database. | Add all the storage subsystems that make up 3DC, and then try again. |
| KAIC07884-E | An attempt to execute the request has failed. Some storage subsystems that make up the 3DC do not support Delta Resync pair creation. | Check the microcode version of all storage subsystems that make up the 3DC. |
| KAIC07885-E | An attempt to execute the request has failed. The specified operation is not supported for the Delta Resync pair. | Revise the request, and then retry. |
| KAIC07886-E | An attempt to execute the request has failed. The specified pair cannot be deleted because a Delta Resync pair exists. | |
| KAIC07890-E | The specified LU "*device-number*" is protected. It cannot be deleted. | Check the specification of the LU. |
| KAIC07891-E | The specified LDEV "*device-number*" is protected. It cannot be used for LUSE. | Check the specification of the LDEV. |
| KAIC07892-E | The specified LUSE volume "*device-number*" is protected. It cannot be released. | Check the specification of the LU. |
| KAIC07893-E | The specified LU "*device-number*" is protected. It cannot be used for a command device. | |
| KAIC07894-E | The specified LU "*device-number*" is protected. It cannot be used for S-VOL. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07895-E | The LU "*device-number*" that is P-VOL of the specified replication pair is protected. Restore operation cannot be performed. | Check the specification of the replication pair. |
| KAIC07896-E | The LU "*devNum*" that is S-VOL of the specified replication pair is protected. Resync operation cannot be performed. | |
| KAIC07897-E | The specified array group contains protected LDEV(s). The array group cannot be deleted. | Check the specification of the array group. |
| KAIC07898-E | The LU "*device-number*" that is S-VOL of the specified replication pair is protected. The restore operation cannot be performed. | Check the specification of the replication pair. |
| KAIC07899-E | An internal error occurred.<br>An agent service failed to execute because a proper method could not be found for the *class-name* class. | Contact the Support Center. |
| KAIC07901-E | The request has failed. The attribute "*attribute-name*" was not specified. | The API requires "*attribute-name*" when the objectID is not specified. Add "*attribute-name*" to the request, and then retry. |
| KAIC07902-E | The request has failed. The specified Host (name="*host-name*", hostID="*host-id*") was unable to handle replication. | Select a valid host, and then retry. |
| KAIC07903-E | The request has failed. The specified Host ID "*specified-host-id*" was not found in the database. | Check the request, and then retry. |
| KAIC07904-E | The request has failed. No ReplicationInfo was specified. | AddReplication requires at least one ReplicationInfo. Add a ReplicationInfo to the request, and then retry. |
| KAIC07905-E | The request has failed. An invalid value was specified for "*attribute-name*". | Valid names must have length 1 to 31, and must not include whitespace(' '). Check the request, and then retry. |
| KAIC07906-E | The request has failed. An invalid value was specified for "*attribute-name*". | Valid values are 0 to 4094. Check the request, and then retry. |
| KAIC07907-E | The request has failed. "*attribute-name*" was not specified. | When creating new Configuration File, network port number is necessary. Check the request, and then retry. |
| KAIC07908-E | The request has failed. An invalid value was specified for "*attribute-name*". | Valid values are 0 to 65535. Check the request, and then retry. |
| KAIC07909-E | The request has failed. An invalid value was specified for "replicationFunction". | Check the request, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07910-E | The request has failed. An invalid value was specified for fenceLevel. | Valid values are Never, Data or Status. Check the request, and then retry. |
| KAIC07911-E | The request has failed. "*attribute-name*" was not specified. | AddReplication requires the array type. Check the request, and then retry. |
| KAIC07912-E | The request has failed. "*attribute-name*" was not specified. | AddReplication requires a serial number. Check the request, and then retry. |
| KAIC07913-E | The request has failed. "*attribute-name*" was not specified. | AddReplication requires a device number. Check the request, and then retry. |
| KAIC07914-E | An attempt to execute the request has failed. The specified logical unit (serial number = "*serial-number*", device number = "*device-number*") was not found in the database. | Revise the request, and then retry. |
| KAIC07915-E | An attempt to execute the request has failed. The specified logical unit (serial number = "*serial-number*", device number = "*device-number*") cannot be used for replication because it is "*cause*". | |
| KAIC07916-E | An attempt to execute the request has failed. For the specified logical unit (serial number = "*serial-number*", device number = "*device-number*"), security for the host has not been set. | Set the security for the host, and then perform a refresh. |
| KAIC07917-E | An attempt to execute the request has failed. An invalid value has been specified for muNumber. | Revise the muNumber specification. |
| KAIC07918-E | An attempt to execute the request has failed. The specified subsystem (serial number = "*serial-number*") was not found in the database. | Revise the request, and then retry. |
| KAIC07919-E | An attempt to execute the request failed. No host agents were found for the specified host "*host-name*". | Confirm that host agents have been installed for the host "*host-name*", and then restart the agents. If the host is a mainframe host, confirm that a valid URLLink has been specified. |
| KAIC07920-E | No more ReplicationGroups may be created. | Contact the Support Center. |
| KAIC07921-E | No more ConfigFiles may be created. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07922-E | The request has failed. Fence Level 'Status' was not used for the specified subsystem. | Check the parameter, and then retry. |
| KAIC07923-E | The license key for "*license-name*" has not been installed. | Contact the Support Center. Install the license key. |
| KAIC07924-E | The license key for "*license-name*" is disabled. | Contact the Support Center. Enable the license key. |
| KAIC07925-E | The request has failed. Duplicated pairNames "*pair-name*" are specified. | Specify pair names which are unique in a HORCM instance. |
| KAIC07926-E | The request has failed. The specified pairName "*pair-name*" is already being used. | |
| KAIC07927-E | No more ReplicationInfo may be created. | Contact the Support Center. |
| KAIC07928-E | The specified subsystem has just one port controller. | Dual-port-controller is necessary. |
| KAIC07929-E | An attempt to execute the request has failed. A remote path or the MCU-RCU path between the local subsystem and the remote subsystem is not correctly set. | Revise the remote path or the MCU-RCU path. |
| KAIC07930-E | An attempt to execute the request has failed. The host "*host-name*" does not recognize the specified logical unit (serial number = "*serial-number*", device number = "*device-number*"). | Make sure that the host can recognize the logical unit, and then execute the host agent command "HiScan". |
| KAIC07931-E | The request has failed. The size of the specified LogicalUnits pair does not match. | Specify the LogicalUnits whose size are same for P-VOL and S-VOL. |
| KAIC07932-E | The request has failed. No pair could be created with the specified logical units by the specified replication function. | Check the request, and then retry. |
| KAIC07933-E | The request has failed. The emulation type of the specified LogicalUnits pair does not match. | Specify the LogicalUnits whose emulation type are same for P-VOL and S-VOL. |
| KAIC07934-E | The request has failed. The default port controller of the specified LogicalUnits pair does not match. | Specify the LogicalUnits whose default port controller are same for P-VOL and S-VOL. |
| KAIC07935-E | An attempt to execute the request has failed. The specified array group (serial number = "*serial-number*", chassis = "*chassis*", number = "*array-group-number*") was not found in the database. | Revise the request, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07936-E | The request has failed. The specified LogicalUnits pair does not match. RAID type does not meet the conditions. | Specify the LogicalUnits whose number of data disks are the same for P-VOL and S-VOL. If the pair is TrueCopy, RAID type of the LogicalUnits must be "RAID5". |
| KAIC07937-E | The request has failed. The specified LogicalUnit was LUSE. | Specify the LogicalUnits which are not LUSE. |
| KAIC07938-E | The request has failed. The specified port number "*port-number*" was already used in another configuration file. | Specify the port number other than "*port-number*". |
| KAIC07939-E | The request has failed. Replication pairs in the same replication group must have the same replication function. | Check the request, and then retry. |
| KAIC07940-E | The request has failed. Replication pairs in the same replication group must have the same fence level. | |
| KAIC07941-E | The request has failed. Subsystems in the same replication group must be all RAID or All DF. | |
| KAIC07942-E | The request has failed. The specified replication group cannot be operated on per group. The configuration file contains an unknown definition. | Operate per pair. |
| KAIC07943-E | An unexpected response was returned from the host agent transport. | Contact the Support Center. |
| KAIC07944-E | Some of the requests of "*api-name*" has failed. | If this problem persists, contact the Support Center. |
| KAIC07945-E | This GetHost request is invalid. "*element-name*" do not have a objectID. | Contact the Support Center. |
| KAIC07946-E | The same object is included in a single request. | Revise the request, and then retry. |
| KAIC07947-E | The specified storage subsystem does not support TrueCopyAsync. | Check the request, and then retry. |
| KAIC07948-E | Reverse resynchronization cannot be performed for the specified pair. | Revise the request, and then retry. |
| KAIC07949-E | An invalid replication configuration was specified. | Confirm that a replication configuration is valid. |
| KAIC07950-E | The request has failed. The specified MU number is already in use. | Specify another MU number. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07951-E | An attempt to execute the request has failed. The storage subsystem "*storage-array-name*" can have a maximum of "*max-number-of-pairs*" "*replication-function*" pairs. | Delete an existing pair. |
| KAIC07952-E | An attempt to execute the request has failed. The specified subsystem (sequence number = "*sequence-number*") was not found in the database. | Revise the request, and then retry. |
| KAIC07953-E | The request has failed. The specified logical unit pair is invalid. The number of configured LDEVs is different. | Specify the LogicalUnits whose number of LDEVs are same for P-VOL and S-VOL. |
| KAIC07954-E | The request has failed. The specified host (name="*host-name*", hostID="*host-id*") cannot handle replication. "*agent-or-raidmanager*" is not installed. | Install "*agent-or-raidmanager*", and then retry. |
| KAIC07955-E | The request has failed. The specified Host (name="*host-name*", hostID="*host-id*") cannot handle replication. The host does not recognize the logical units. | Make sure that the host "*host-name*" recognizes the logical units, and then perform "HiScan" command from the host agent. |
| KAIC07956-E | The request has failed. The specified Host (name="*name*", hostID="*host-id*") cannot handle replication. The host does not recognize the command device. | Make sure that the host "*name*" recognizes the command device, and then perform "HiScan" command from the host agent. |
| KAIC07957-E | The request has failed. The specified LogicalUnits are not open volumes. | Specify open-volume-LogicalUnits for P-VOL and S-VOL. |
| KAIC07958-E | An attempt to execute the request has failed. The combination of the pair that configures the group is invalid. | Revise the request, and then retry. Alternatively, specify a different group, and then retry. |
| KAIC07959-E | The request has failed. In the case of QuickShadow, ReplicationInfo's status must be 'Simplex'. | Specify another LU, and then retry. |
| KAIC07960-E | The request has failed. In the case of QuickShadow, S-VOL must be QuickShadow V-VOL. | Specify QuickShadow V-Vol for S-VOL. |
| KAIC07961-E | The request has failed. The specified P-VOL is not paired with selected V-VOL when QuickShadow pair was made. | Specify another LU, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07962-E | The request has failed. The QuickShadow pair could not be created in the specified array system. | Check the request, and then retry. |
| KAIC07963-E | The request has failed. The port ID "*port-id*" is invalid. | Specify another port ID, and then retry. |
| KAIC07964-E | An attempt to execute the request has failed. For the specified logical unit (serial number = "*serial-number*", device number = "*device-number*"), security for the host has not been set on the specified port "*port-ID*". | Set the security for the host, and then perform a refresh. |
| KAIC07965-E | An attempt to execute the request has failed. The host "*host-name*" does not recognize the specified logical unit (serial number = "*serial-number*", device number = "*device-number*") on the specified port "*port-ID*". | Make sure that the host can recognize the logical unit, and then execute the host agent command "HiScan". |
| KAIC07966-E | An attempt to execute the request has failed. There are no paths on the specified port "*port-ID*" for the specified logical unit (serial number = "*serial-number*", device number = "*device-number*"). | Set a path for the logical unit on the specified port. |
| KAIC07967-E | An attempt to execute the request has failed. There are no paths for the specified logical unit (serial number = "*serial-number*", device number = "*device-number*"). | Set a path for the logical unit. |
| KAIC07968-E | The request has failed. No port was found. | Confirm the port status. |
| KAIC07969-E | In this API version, QuickShadow is not supported. | Check the Device Manager Server XML API manual and make sure that the running API version supports the command. |
| KAIC07970-E | The specified icon "*icon*" is invalid. | Check the specified icon file. |
| KAIC07971-E | An attempt to execute the request has failed. Multiple pairs for one P-VOL of QuickShadow cannot be restored at the same time. | Check the request, and then retry. |
| KAIC07972-E | The request has failed. The specified instance number "*instance-number*" is already in use. | Specify another instance number. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07973-E | The LUSE could not be created because the types or attributes of the specified LDEVs (devnum = "*Device number*" and devnum = "*Device number*") are not identical. | Make sure that all of the LDEVs making up the LUSE satisfy the following conditions:<br>▪ The volume classes (internal or external) are identical.<br>▪ The disk types are identical.<br>▪ The host's I/O suppression modes are identical.<br>The cache modes are identical. |
| KAIC07974-E | The paths cannot be create to the external port "*port name*". | Check and, if necessary, revise the port specification. |
| KAIC07975-E | Creating or deleting external volumes is not supported. | ▪ Check and, if necessary, revise the specification of the LDEV or ArrayGroup. |
| KAIC07976-E | The specified DevNum "*Device number*" already exists in the Device Manager database. | Revise the specification for devNum of the LogicalUnit elements, and then retry. |
| KAIC07977-E | An attempt to execute the request has failed. There are no Differential Management LUs in the specified device. | Create a Differential Management LU, and then retry. |
| KAIC07978-E | The specified parameter is invalid. The value that can be specified for a pattern attribute of the WritingPattern element is a hexadecimal number from "*Min. parameter value*" to "*Max. parameter value*" bytes. | Revise the request, and then retry. |
| KAIC07979-E | The specified last WritingPatterns element parameter is invalid. | Check the request, and then retry. |
| KAIC07980-E | The specified parameter is invalid. "*element-name*" "*attribute-name-of-element*" : "*attribute-value-of-element*" | Make sure that the specified parameter is valid, and then retry. |
| KAIC07981-E | The stripe sizes of the LDEVs do not match. The LUSE (devNum = "*Device number*") cannot be created. | Make sure the LDEV specifications are correct. |
| KAIC07982-E | The specified stripeSizeInKB is invalid. | Check the request, and then retry. |
| KAIC07983-E | An attempt to execute the request has failed. The specified replication function is not supported in this subsystem. | Revise the request, and then retry. |
| KAIC07984-E | An attempt to execute the request has failed. The specified replication operation is not supported for this subsystem. | Check the microcode version of the subsystem. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07985-E | An attempt to execute the request has failed. The specified replication operation cannot be performed for this emulation type of this volume. | Revise the request, and then retry. |
| KAIC07986-E | An attempt to execute the request has failed. There is no specified journal group. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07987-E | An attempt to execute the request has failed. The journal group cannot be used because the journal volume is not registered. | |
| KAIC07988-E | An attempt to execute the request has failed. The specified journal group is already being used by the mainframe function. | |
| KAIC07989-E | An attempt to execute the request has failed. The specified journal group is already used as a primary journal group or secondary journal group. | |
| KAIC07990-E | An attempt to execute the request has failed. The specified MU number cannot be used. | Revise the specification, and then retry. |
| KAIC07991-E | An attempt to execute the request has failed. The combination of the journal groups is invalid. | Revise the request, and then retry. |
| KAIC07992-E | An attempt to execute the request has failed. The CLPR of the pair volume does not match the CLPR of the journal volume that configures the journal group. | |
| KAIC07993-E | An attempt to execute the request has failed. The combination of the journal group and the replication group is invalid. | |
| KAIC07994-E | An attempt to execute the request has failed. All replication pairs in the same replication group must use the same journal group. | |
| KAIC07995-E | The requested operation could not be performed. The specified LU is being used for a *PP Name (Dynamic Provisioning)* pool, and cannot be used as the P-VOL or S-VOL. | Revise the LU specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC07996-E | The requested operation could not be performed. A *PP Name (Dynamic Provisioning)* volume cannot be used as the P-VOL or S-VOL for the following replication function. Replication function: *PP Name (TrueCopy, TrueCopyAsync, QuickShadow, UniversalReplicator)* | |
| KAIC07997-E | The requested operation could not be performed. If you use a *PP Name (Dynamic Provisioning)* volume as the S-VOL for *PP Name (ShadowImage)*, you must also use a *PP Name (Dynamic Provisioning)* volume as the P-VOL. | |
| KAIC07998-E | An attempt to execute the request has failed. The CLPR of the pair volume does not match the CLPR of the pair volume that belongs to the journal group. | Revise the request, and then retry. |
| KAIC08000-E | A part that differs from the actual machine was found in the subsystem information. Refresh the subsystem. If you are a local user, contact the system administrator. | The Device Manager server might not contain the latest storage subsystem information. Refresh the information by using the GUI refresh function, or by executing AddStorageArray of the API. |
| KAIC08001-E | A part that differs from the actual machine was found in the subsystem information. Refresh the subsystem. If you are a local user, contact the system administrator. (error = "*error*") | |
| KAIC08002-E | "FreeSpace" cannot be specified. Revise the " "bulk","dividebycap", and "dividebynum" options, and then retry. | Revise the option specification. |
| KAIC08003-E | This API version does not support batch operations on Lus. | Make sure that the API version supports the command. |
| KAIC08004-E | An attempt to execute a request has failed. The combination of options "*option name*" and "*option name*" is invalid. | Revise the option specification. |
| KAIC08005-E | The number of LUs that can be deleted cannot exceed "*maximum number of LUs*". | Specify a valid value. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC08006-E | Batch deletion is not possible for LUs whose emulation is not OPEN-V. (devNum = *device number*) | Revise the LU specification, and then try again. |
| KAIC08007-E | An LDEV (devNum = *device number*) that has a path defined cannot be deleted. | Defined paths must be deleted before deleting LDEVs. |
| KAIC08008-E | An LDEV (devNum = *device number*) that has a LUSE defined cannot be deleted. | LUSEs must be deleted before deleting LDEVs. |
| KAIC08009-E | The specified array group does not exist in the Device Manager database. | Revise the array group specification. |
| KAIC08010-E | The specified array group does not have sufficient free space. | Revise the array group specification. |
| KAIC08011-E | The Device Manager database does not have sufficient free space. | Revise the free space specification. |
| KAIC08012-E | A "*PP Name (Dynamic Provisioning)*" volume (devNum = "*device number*") cannot be deleted in Device Manager. | Revise the LU specification. |
| KAIC08013-E | An attempt to execute a request has failed. When "*option name*" is specified, "*option name*" must also be specified. | Revise the request, and then try again. |
| KAIC08014-E | This subsystem does not support batch operations on LUs. | Check the subsystem. |
| KAIC08015-E | Batch creation is not possible for LUs whose emulation is not OPEN-V. | Revise the emulation type specification. |
| KAIC08016-E | The request syntax is incorrect. The attribute "*attribute-name*" is not specified in the element "*element-name*". | Revise the request syntax, and then try again. |
| KAIC08017-E | The request syntax is incorrect. The value "*attribute-value*" (specified for the attribute "*attribute-name*" in the element "*element-name*") is duplicated. | Revise the request syntax, and then try again. |
| KAIC08018-E | The request syntax is incorrect. The attribute "*attribute-name*" is not specified in the element "param" (name = "*element-name*"). | Revise the request syntax, and then try again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC08019-E | Execution of the request failed. The value "*attribute-value*" (specified for "*Type*" in the parameter "*parameter-name*") is invalid. | Revise the request syntax, and then try again. |
| KAIC08020-E | Execution of the request failed. The value "*attribute-value*" (specified for "value" in the parameter "*parameter-name*") is invalid. Specify the value as "*valid-values (only "2")*". | Revise the request syntax, and then try again. |
| KAIC08021-E | Execution of the request failed. The value "*attribute-value*" (for "value" in the parameter "*parameter-name*") is invalid. Specify a value that is no more than "*max-character-string-length*" characters. | Revise the request syntax, and then try again. |
| KAIC08022-E | Execution of the request failed. The value "*attribute-value*" (for attribute "*attribute-name*" in element "*element-name*") is invalid. | Revise the request syntax, and then try again. |
| KAIC08023-E | Execution of the request failed. If the parameter "*parameter-name*" is specified, the parameter "*parameter-name*" must also be specified. | Revise the request syntax, and then try again. |
| KAIC08024-E | Execution of the request failed. The value "*attribute-value*" (for "value" in the parameter "*parameter-name*") is invalid. Specify a size that is within the free-disk space of "InPool". | Revise the request syntax, and then try again. |
| KAIC08025-E | The request syntax is incorrect. The invalid attribute "*attribute-name"* is specified in the element "*parameter-name*". | Revise the request syntax, and then try again. |
| KAIC08026-E | The request syntax is incorrect. The child element "ArrayValue" must be specified for the parameter "*parameter-name*". | Revise the request syntax, and then try again. |
| KAIC08027-E | Execution of the request failed. The value "*attribute-value*" (for the attribute "*value*" of the child element "ArrayValue" in the parameter "*parameter-name*") is invalid. | Revise the request syntax, and then try again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC08028-E | An attempt to execute a request has failed. The number of child elements for parameters "*parameter-name*" and "*parameter-name*" are not the same. | Revise the request syntax, and then try again. |
| KAIC08030-E | The specification method ("*method-name*") cannot be executed. Wait a while, and then try again. (object path = "*object-path*") | If this problem persists, contact the Support Center. |
| KAIC08100-E | You have already selected another subsystem ("*subsystem-name*"). You can reserve only one subsystem at a time. | Release the reservation on the other subsystem, then retry the operation. |
| KAIC08101-E | The subsystem has been reserved by user "*user-name*". | After the subsystem reservation has been released, retry the operation. |
| KAIC08102-E | A reserved subsystem cannot be deleted. | |
| KAIC08103-E | The properties, except for the name of the reserved subsystem, cannot be changed. | |
| KAIC08104-E | Another application has already reserved the specified subsystem. Only the reserving application can perform operations now. | Retry the operation from the reserving application. |
| KAIC08105-E | The subsystem is not reserved, or the reservation was released because the time limit was exceeded. | Check whether the reservation has been released. |
| KAIC08106-E | The specified command is not available for reserved subsystems. | After the subsystem reservation has been released, retry the operation. |
| KAIC08107-E | The reservation status has been changed. | Check the reservation status. |
| KAIC08108-E | The specified command cannot be executed using the storage subsystem microcode version "*microcode-version*". | Make sure the microcode version of the storage subsystem is correct. |
| KAIC08110-E | This command cannot be executed because, for the specified storage subsystem, only one "*PP Name (Dynamic Provisioning)*" volume can be added to an array group. | Revise the request, and then try again. |
| KAIC08111-E | This command cannot be executed because, for the specified storage subsystem, the array group must be specified. | Revise the request, and then try again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC08112-E | The specified external array group "*external array group name*" cannot be deleted because Device Manager does not contain any externally mapped volume information for the external array group. | Revise the external array group information. |
| KAIC08113-E | The specified external array group "*external array group name*" cannot be deleted because the emulation type is not OPEN-V. | Revise the external array group information. |
| KAIC08114-E | External array groups can only be deleted from the CLI. | Use the CLI to execute the request. |

## Table 1-10 KAIC09000-KAIC09999: CIM/WBEM Errors

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC09000-E | An unidentifiable CIM Wbem service error was encountered. | Contact the Support Center. |
| KAIC09001-E | "*CIM-class-name*" class does not support the "*method-name*" method. | Use another operation. If the used operation should be supported, contact the Support Center. |
| KAIC09002-E | An unidentifiable CIM Wbem service error was encountered. An attempt to find the "*CIM-class-name*" class has failed. | Contact the Support Center. |
| KAIC09003-E | An unidentifiable CIM Wbem service error was encountered. "*stack-trace*" | |
| KAIC09004-E | An unidentifiable CIM Wbem service error was encountered. The ACL users table is empty. | Check the server condition ACL users. |
| KAIC09005-E | An unidentifiable CIM Wbem service error was encountered. The ACL rules table is empty. | Check the server condition ACL rules. |
| KAIC09006-E | Authentication has failed. username: "*user-name*" | Check the username and password, and then retry. |
| KAIC09007-E | The operation was denied. username: "*user-name*", write request: "*whether-request-needs-write-permission*" | Check the username, password and user permissions, and then retry. |
| KAIC09008-E | The operation was not authorized. username: "*user-name*", write request: "*whether-request-needs-write-permission*" | |
| KAIC09009-E | The "*requested-operation-name*" operation has failed. | Follow the last related message. If there is no related message, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC09011-E | An attempt to create a CIM-Instance failed. Class:"*CIM-class-name*", Key:"*key-properties*", "*stack-trace*" | Contact the Support Center. |
| KAIC09012-E | An attempt to create a CIM-ObjectPath has failed. Class:"*CIM-class-name*", Key:"*key-properties*", "*stack-trace*" | |
| KAIC09013-E | The WQL is invalid. Property:"*property-name*", Operator:"*operator(number)*", Value:"*value*" | Check the specified WQL or ObjectPath, and then retry. |
| KAIC09014-E | The WQL is unsupported. Property:"*property-name*", Operator:"*operator(number)*", Value:"*value*" | |
| KAIC09015-E | This association cannot be associated. Source(Class:"*source-CIM-class-name*",Role:"*source-role*") and Result(Class:"*result-CIM-class-name*",Role:"*result-role*") | This is an informational message only. No additional action is required. |
| KAIC09016-E | This association is not supported as a result class of this Association class. "*class-name*" | Contact the Support Center. |
| KAIC09017-E | An invalid key property exists in the ObjectPath. "*key-name*" | Check the specified ObjectPath, and then retry. |
| KAIC09018-E | An attempt to obtain a class name from ObjectPath has failed. ObjectPath: "*ObjectPath*" | |
| KAIC09019-E | The WQL is invalid. wql:"*WQL*" | Check the specified WQL or ObjectPath, and then retry. |
| KAIC09020-E | The class is invalid. class: "*class-name*" | Check the specified ObjectPath, and then retry. |
| KAIC09021-E | The property is invalid. Property: "*property-name*" value: "*value*" | Check the specified WQL or ObjectPath, and then retry. |
| KAIC09022-E | The role parameter is invalid. "*role*" | Check the specified role or resultRole, and then retry. |
| KAIC09023-E | The parameter is invalid. When ResultClass is not specified, PropertyList cannot be specified. | Specify the ResultClass, or do not specify the PropertyList. |
| KAIC09024-E | The argument type is invalid. "*type*" | Check the specified argument type, and then retry. |
| KAIC09025-E | An internal error occurred. "*object-name*" is null. | Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC09026-E | The instance does not exist. Object path:"*Object path*" | Check the object path, and then re-execute. |
| KAIC09027-E | In the "*requested-operation-name*" operation, An attempt to retrieve data for the storage array has failed. | Follow the last related message. If there is no related message, contact the Support Center. |
| KAIC09028-E | An attempt to execute a request failed. Check and, if necessary, revise the request, and then try again. | Check and, if necessary, revise the request, and then try again. |
| KAIC09029-E | An attempt to execute a request failed. Check and, if necessary, revise the operating environment, and then try again. | Check the operating environment. If the error persists, contact the Support Center. |
| KAIC09100-E | CIM-WBEM Service initialization error: an invalid HTTP port number "*port-number*" has been specified. | Confirm the value of "server.properties" and restart the services. |
| KAIC09101-E | CIM-WBEM Service initialization error: an invalid HTTPS port number "*port-number*" has been specified. | |
| KAIC09114-E | An attempt to start the CIM-WBEM Service on port "*port-number*" failed. | Stop any service that uses a port having a port number used by the CIM-WBEM Service, and restart the Device Manager Server. |
| KAIC09501-E | An error occurred within SLP API processing. SLP error number: "*SLP-error-number*", error details: "*error-detail*" | Check if the SLP daemon is running. If it is not running, then start it and restart the Device Manager Server. If this error occurs even the SLP daemon is already running, then contact the Support Center. |

## Table 1-11 KAIC30000-KAIC39999: Trace messages

| Error Code | Description |
|---|---|
| KAIC30004-I | Device Manager Server has started. |
| KAIC30005-I | Device Manager Server has stopped. |
| KAIC30017-I | Device Manager Server has started in Secure mode. |
| KAIC32006-I | Device Manager HiKeyTool has started. |
| KAIC32007-I | Device Manager HiKeyTool has stopped. |
| KAIC32101-I | Device Manager "*client-name*" has started. |
| KAIC32102-I | Device Manager "*client-name*" has finished. |
| KAIC33020-W | An inconsistency was detected from the database information. The database will now be initialized. |
| KAIC33025-W | An inconsistency was detected from the database information. Restore the database from the backup. |
| KAIC33026-I | The database will now be initialized. |
| KAIC35435-I | The version of the "*library-name*" is "*version (additional-information)*". |

| Error Code | Description |
|---|---|
| KAIC35436-W | An attempt to get the version of "*library-name*" has failed (Error code "*error-code*"). |
| KAIC39004-I | The CIM-WBEM Service has started. |
| KAIC39005-I | The CIM-WBEM Service has stopped. |

# Device Manager Web Client Messages

The Device Manager Web Client error messages are output to the following log files:

- **For Windows systems:**

  *Device-Manager-installation-destination*\DeviceManager\HiCommandServer\logs\HDvMGuiTrace*n*.log

- **For Solaris and Linux systems:**

  /opt/HiCommand/HiCommandServer/logs/HDvMGuiTrace*n*.log

  where *n* is a numerical value that indicates the file number.

The Web Client error messages are output to the log files in the following format (see Table 1-12):

***serial-number date time program-name process-ID thread-ID ID type message***

Table 1-13 lists the Hitachi Device Manager Web Client GUI error messages, and provides recommended actions for resolving the error conditions. The error messages are listed in numerical order by error code. For errors whose recommended action is "Contact the Support Center.", first collect maintenance information by executing the hcmdsgetlogs command, and then contact the Hitachi Data Systems Support Center (see Calling the Hitachi Data Systems Support Center for contact information).

**Table 1-12 Format of Messages Output to Log Files**

| Item | Description |
|---|---|
| Serial number | Serial number of the message. |
| Date | Date the error occurred, in *yyyy/mm/dd* format. |
| Time | Time the error occurred, in *hh:mm:ss:xxx* format (*xxx* indicates milliseconds). |
| Program name | Component name or command name of Device Manager. |
| Process ID | Process ID of the program that requested the log output. |
| Thread ID | Thread ID of the program that requested the log output. |
| ID | Message ID. Device Manager messages are output in KAIC*mmmmm-X* format.<br>KAIC: Character strings that indicate the message is output from Device Manager.<br>*mmmmm*: Error code.<br>*X*: Indicates the error level. One of the following is displayed: I (non-error information), W (warning), or E (error). |
| Type | Event type. |
| Message | Message. |

## Table 1-13 KAIC10000-KAIC11999: Hitachi Device Manager Web Client GUI Errors

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10001-W | Currently, there are commands being processed for subsystem <*subsystem-name*>. | Please retry this action after the active commands are completed. |
| KAIC10002-W | Cannot Move Storage to a LogicalGroup which has different subsystem. | Please move storage to a Logical Group which contains storage in same storage subsystem. |
| KAIC10003-W | Currently, there are commands being processed for subsystem <*subsystem-name*>. | Please retry this action after the active commands are completed. |
| KAIC10004-W | There are processing tasks still running on logical group "<*logical-group-name*>". | |
| KAIC10005-W | There are processing tasks still running on storage subsystem "<*subsystem-name*>". | |
| KAIC10006-W | Currently, there are commands being processed for subsystem <*subsystem-name*>. | |
| KAIC10010-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to add the storage has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10011-W | Subsystem is busy. Please retry this action after the previous action is completed. | |
| KAIC10012-W | Subsystem is busy. Please retry this action after the previous action is completed. | |
| KAIC10013-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to move same LUN has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10015-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to delete the LUN security has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10016-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to remove the Port has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10017-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to delete the group has failed.<br>Please retry this action after the previous action is completed. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10018-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to delete the storage has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10019-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to delete the storage array has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10024-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to scan LUN has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10025-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to delete the storage from multi groups has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10026-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to add the Logical Unit has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10027-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to delete the Logical Unit has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10028-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to add the array group has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10029-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to define spares has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10030-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to delete the array group has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10031-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to modify the port controller has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10032-W | Subsystem is busy. Please retry this action after the previous action is completed. | An attempt to add HostStorageDomain has failed.<br>Please retry this action after the previous action is completed. |
| KAIC10033-E | The server is returning a Message ID that is used by a previous command. | If this error persists, please contact the Support Center. |
| KAIC10034-W | Delete alerts is in process. Please retry this action after the previous action is completed. | Please retry this action after the active action is completed. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10035-E | Device Manager Web Client was unable to communicate with the Device Manager Server. | Check the network status and whether the Device Manager server is running correctly.<br>If a network problem exists, remove its cause.<br>If the Device Manager server has stopped, start it. If you cannot start the server, contact the Support Center.<br>Even if the Device Manager server is running correctly, this message might be output if the Device Manager server takes an unusually long time to start because of its status when it last stopped. In this case, wait a while and then retry starting the server. |
| KAIC10036-E | Device Manager Web Client internal error has occurred. | Please contact the Support Center. |
| KAIC10037-E | A problem was encountered trying to download and install the server certificate. Device Manager Web Client is unable to access the Device Manager Server through the secure channel. Please contact your system administrator for assistance. | Please ask the system administrator if the Keystore file is located in correct location on the server machine. |
| KAIC10038-E | A file required for a secure socket connection cannot be downloaded. Click OK to exit the system. | Please check the network configuration. |
| KAIC10039-E | Device Manager Web Client internal error has occurred. | Contact the Support Center. |
| KAIC10040-E | Device Manager Web Client internal error has occurred. | |
| KAIC10041-E | Device Manager Web Client internal error has occurred. | |
| KAIC10042-E | Device Manager Web Client internal error has occurred. | |
| KAIC10043-E | Device Manager Web Client internal error has occurred. | |
| KAIC10044-E | Device Manager Web Client internal error has occurred. | |
| KAIC10045-E | Device Manager Web Client internal error has occurred. | |
| KAIC10046-E | Device Manager Web Client internal error has occurred. | |
| KAIC10047-E | Device Manager Web Client internal error has occurred. | |
| KAIC10048-E | Device Manager Web Client internal error has occurred. | |
| KAIC10049-E | Device Manager Web Client internal error has occurred. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10050-E | Device Manager Web Client internal error has occurred. | Contact the Support Center. |
| KAIC10051-E | Device Manager Web Client internal error has occurred. | |
| KAIC10052-E | Device Manager Web Client internal error has occurred. | |
| KAIC10053-E | Device Manager Web Client internal error has occurred. | |
| KAIC10054-E | Device Manager Web Client internal error has occurred. | |
| KAIC10055-E | Device Manager Web Client internal error has occurred. | |
| KAIC10056-E | Device Manager Web Client internal error has occurred. | |
| KAIC10057-E | Device Manager Web Client internal error has occurred. | |
| KAIC10058-E | Device Manager Web Client internal error has occurred. | |
| KAIC10059-E | Device Manager Web Client internal error has occurred. | |
| KAIC10060-E | Device Manager Web Client internal error has occurred. | |
| KAIC10061-E | Device Manager Web Client internal error has occurred. | |
| KAIC10062-E | Device Manager Web Client internal error has occurred. | |
| KAIC10063-E | Device Manager Web Client internal error has occurred. | |
| KAIC10064-E | Device Manager Web Client internal error has occurred. | |
| KAIC10065-E | Device Manager Web Client internal error has occurred. | |
| KAIC10066-E | Device Manager Web Client internal error has occurred. | |
| KAIC10067-E | Device Manager Web Client internal error has occurred. | |
| KAIC10068-E | Device Manager Web Client internal error has occurred. | |
| KAIC10069-E | Device Manager Web Client internal error has occurred. | |
| KAIC10070-E | Device Manager Web Client internal error has occurred. | |
| KAIC10071-E | Device Manager Web Client internal error has occurred. | |
| KAIC10072-E | Device Manager Web Client internal error has occurred. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10073-E | A user is not permitted to log in as Peer. | Please log in not as Peer. |
| KAIC10074-E | Since the version of JRE is old,WebClient cannot be started. The version of JRE which is operating now is <*JRE-version*>. | Confirm that you are using a JRE version that is supported for use with Web Client. |
| KAIC10075-E | The Logical Group that you have selected no longer exists. | Please open another window, then come back to the original window. If this error persists, please contact the Support Center. |
| KAIC10078-E | Cannot parse "<*value*>" into a floating point number. | If this error persists, please contact the Support Center. |
| KAIC10079-W | No LU is selected. | Please continue process after selecting the storage. |
| KAIC10080-E | Invalid URL | Please check the network configuration. If you want to launch Storage Navigator or Dynamic Link Manager, please check if the selected application is working properly. |
| KAIC10081-W | Device Manager cannot modify the logical group because no logical group has been selected. | Please continue operation after a logical group is selected. |
| KAIC10082-W | A logical group cannot be deleted if it or a child group has already been allocated to a resource group. The resource group must be deleted first. | Please retry operation after deleting the resource group. |
| KAIC10083-W | Device Manager cannot delete the logical group because no logical group has been selected. | Please continue operation after a logical group is selected. |
| KAIC10084-W | Storage cannot be moved to a logical group assigned to the resource group <*resource-group-name*>. | Please move the storage to a logical group that is not assigned to the resource group. |
| KAIC10085-W | Device Manager cannot proceed to the next step because no logical group is selected. | Please continue operation after a logical group is selected. |
| KAIC10086-E | There was an error adding a new host. | Contact the Support Center. |
| KAIC10087-W | Currently, there are commands being processed for subsystem <*name*>. | Please continue operation after the active process is finished. |
| KAIC10088-W | Currently, there are commands being processed for subsystem <*name*>. | |
| KAIC10089-E | Device Manager Web Client internal error has occurred. | Contact the Support Center. |
| KAIC10091-W | All of the disks in an array group must be in the same row and chassis. | Please select disks which are located in the same row and chassis. |
| KAIC10092-W | You must select at least two (2) disks to create an array group. | Please select at least two disks. |
| KAIC10093-W | All of the disks in an array group must be next to one another. | Please select disks located next to each other (contiguous). |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10094-W | You cannot delete the user who is currently logged on. | To delete the specified user, first log on as another system administrator or local system administrator. |
| KAIC10095-W | You have asked to permanently delete the last <*resource-group-name*> user. There must always be at least one user of this type for Device Manager to work. | Please delete the specified user after creating one or more users. |
| KAIC10096-E | Device Manager Web Client internal error has occurred. | Contact the Support Center. |
| KAIC10097-E | Device Manager Web Client internal error has occurred. | |
| KAIC10098-E | Inconsistent properties found in the logical group "<*name*>". | |
| KAIC10099-W | No storage is selected. | Please retry operation after the storage is selected. |
| KAIC10100-W | The Storage Array is not selected! | Please retry operation after the storage subsystem is selected. |
| KAIC10101-W | This resource group name already exists. Select a different name. | Please select a resource group name which is not duplicated. |
| KAIC10102-W | Duplicate User Name | Please select a user name which is not duplicated. |
| KAIC10103-W | Your user ID or password is invalid, please check with the Administrator. | Please confirm your user ID and password with the Administrator. |
| KAIC10104-E | Device Manager Web Client has lost the network connection to the Device Manager Server. This might be due to a network problem or the server may be down. Device Manager Web Client will now exit. Please check your network connection and try again later. | Please check if Device Manager is running properly. Please also check network condition.<br>Also confirm that the number of LDEVs specified for a single operation does not exceed the maximum specifiable number. This maximum number is approximately 200 if each LDEV has one volume path, or 100 if each LDEV has two volume paths. |
| KAIC10105-E | Device Manager has lost the network connection to the Device Manager Agent. This might be due to a network problem or the agent may be down. | Please check if Device Manager Agent is running properly. Please also check network condition. |
| KAIC10106-E | The Device Manager Server Certificate has expired. Device Manager Web Client will now exit. Please contact your system administrator for assistance. | Please contact the system administrator. |
| KAIC10108-E | The requested service is not currently implemented on the Device Manager Server. | Please go to the **Help**, **Index** in menu bar to check if the versions of server and Web client match. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10109-E | An unexpected error occurred in the Device Manager Web Client. | Contact the Support Center. |
| KAIC10110-E | An unexpected error occurred in the Device Manager Server. | |
| KAIC10111-E | Device Manager Server received bad request. | |
| KAIC10112-E | Device Manager Server received too large request. | Please contact the System administrator to resize the maximum size of acceptable request for Device Manager Server. |
| KAIC10113-E | Device Manager Server is shutting down now. | Please contact the system administrator. |
| KAIC10114-E | Device Manager Server cannot find files to be downloaded. | Contact the Support Center. |
| KAIC10123-E | Missing host in message response. | |
| KAIC10124-E | Missing HostInfo in message response. | |
| KAIC10125-E | Parent Group "<*logical-group-name*>" was deleted in a previous command. | Please select another logical group for the parent group. |
| KAIC10126-E | The new parent group already contains storage. | |
| KAIC10127-E | Group Name is duplicated! | Please select another group name. |
| KAIC10128-E | The Group Name "<*logical-group-name*>" is reserved! | |
| KAIC10129-E | The parent group is busy. | Please retry this action after the active action is completed. |
| KAIC10130-E | Login process to Device Manager Server is failed. Web Client is shutting down now since there is a possibility of having network problem. Please login after checking network connectivity. | Please check if Device Manager is running properly. Please also check network condition. |
| KAIC10131-E | Failed to receive messages from Device Manager Server. Web Client is shutting down now since there is a possibility of having network problem. Please check your network connection and try again later. | |
| KAIC10132-E | Failed to receive messages from Device Manager Server. Web Client is shutting down now since there is a possibility of having network problem. Please check your network connection and try again later. | |
| KAIC10133-E | Failed to receive command result from Device Manager Server. Web Client is shutting down now since there is a possibility of having network problem. Please check your network connection and try again later. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10134-W | The password you entered was not correct. You will not be permitted to continue this operation. | Please check the password. |
| KAIC10135-W | More than <*number*> of disks cannot be defined as spare disks of this subsystem. | Please select fewer spare disks than specified. |
| KAIC10136-W | The subsystem is busy. | Wait until the processing finishes, and then retry the operation. |
| KAIC10137-W | The subsystem is busy. | |
| KAIC10139-E | Device Manager Server internal error has occurred. | Contact the Support Center. |
| KAIC10140-E | <*program-name*> cannot be started up. | Please contact the system administrator. |
| KAIC10141-W | Subsystem is busy. Please retry this action after the previous action is completed. | Please continue operation after the active process is finished. |
| KAIC10142-W | Subsystem is busy. Please retry this action after the previous action is completed. | |
| KAIC10143-W | One or no WWNs exist in the WWN group <*WWN-group-name*>. Make sure that two or more WWNs exist in the WWN group. | Add two or more WWNs to the WWN group. |
| KAIC10144-W | No LUNs exist in the LUN Group <*LUN-group-name*>. Make sure that more than one LUN exists in the LUN Group. | Add one or more LUNs to the LUN group. |
| KAIC10145-W | A WWN group of the same name already exists in either the dropdown list or storage subsystem. | Change the name of the WWN group to one which does not exist. |
| KAIC10146-W | An LUN group of the same name already exists in either the dropdown list or storage subsystem. | Change the name of the LUN group to one which does not exist. |
| KAIC10147-W | The subsystem is busy. Try this action again once the previous action has completed. | Please continue operation after the active process is finished. |
| KAIC10148-E | The specified WWN is being used with a different LUN/LUN Group, and cannot be registered. | Change the security of the LUN of the corresponding WWN, or de-allocate the WWN. |
| KAIC10149-W | WWN group names must be less than eight characters, and more than one character. | Change the name. |
| KAIC10150-W | LUN group names must be less than eight characters, and more than one character. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10151-W | Only the following characters can be used in group names:<br>ABCDEFGHIJKLMNOPQRSTUVWXYZ<br>abcdefghijklmnopqrstuvwxyz<br>0123456789<br>_-+=.@!#$%&'^~`[](){} | Change the name. |
| KAIC10152-W | Only the following characters can be used in group names:<br>ABCDEFGHIJKLMNOPQRSTUVWXYZ<br>abcdefghijklmnopqrstuvwxyz<br>0123456789<br>_-+=.@!#$%&'^~`[](){} | |
| KAIC10153-E | Device Manager Web Client internal error has occurred. | Contact the Support Center. |
| KAIC10154-E | The LDEV "<*DevNum*>" can not be used as a command device.<br>The capacity of the LDEV is not sufficient. | Check the capacity of the LDEV/LU and choose another. |
| KAIC10155-E | Subsystem is busy. Please retry this action after the previous action is completed. | Please continue operation after the active process is finished. |
| KAIC10156-E | Subsystem is busy. Please retry this action after the previous action is completed. | |
| KAIC10157-E | Subsystem is busy. Please retry this action after the previous action is completed. | |
| KAIC10158-W | A duplicate nickname is specified. | Specify a unique nickname, then retry. |
| KAIC10159-W | The specified nickname "<*nickname*>" is not available. This nickname is already used by another HostStorageDomain on the same port. | Change the name of the HostStorageDomain to one which does not exist. |
| KAIC10160-W | The specified nickname "<*nickname*>" is not available. This nickname is already used by another WWN/HostStorageDomain on the same port. | Change the name of the WWN/HostStorageDomain to one which does not exist. |
| KAIC10161-W | The WWN Group could not be registered, because LUN security is disabled. Please enable LUN security. | Enable LUN security for this port. |
| KAIC10162-W | The LUN Group could not be registered, because LUN security is disabled. Please enable LUN security. | |
| KAIC10163-W | The cascading copy pairs by ShadowImage / BusinessCopy exist in the group <*group-name*> (Host: <*host-name*> HORCM: <*instance-number*>). Cascading copy pairs cannot be specified in the same group. Please select different groups. | Select another group, or create a new group. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10164-W | The specified copy pair name <*copy-pair-name*> already exists in Host: <*host-name*> HORCM: <*instance-number*>. Please enter a different copy pair name. | Specify another copy pair name. |
| KAIC10165-W | The specified copy pair name <*copy-pair-name*> is duplicated in Host: <*host-name*> HORCM: <*instance-number*>. Please enter a different copy pair name. | |
| KAIC10166-W | The group <*group-name*> (Host: <*host-name*> HORCM: <*instance-number*>) cannot register this combination of copy pairs, since the subsystem type that the copy pairs are using is different. | Select another group, or create a new group. |
| KAIC10167-W | The group <*group-name*> (Host: <*host-name*> HORCM: <*instance-number*>) cannot register this combination of copy pairs, since the fence level that the copy pairs are using is different. | |
| KAIC10168-W | The group <*group-name*> (Host: <*host-name*> HORCM: <*instance-number*>) cannot register this combination of copy pairs, since the different combination of P-VOL and S-VOL subsystem are existed in this group. | Only one combination of P-VOL and S-VOL storage subsystem copy pair can be specified in one group. Select another group, or create a new group. |
| KAIC10170-E | Select the storage to be deleted. | Select the storage to be deleted. |
| KAIC10171-E | Select the storage to be moved. | Select the storage to be moved. |
| KAIC10172-E | Select the storage for which you want to modify security. | Select the storage for which you want to modify the security. |
| KAIC10173-E | Select multiple storage for which you want to create a LUSE. | Select multiple storage to create a LUSE. |
| KAIC10174-E | Select the storage for which you want to delete a LUSE. | Select the storage for which the LUSE will be deleted. |
| KAIC10175-E | Select the storage to be allocated. | Select the storage to be allocated. |
| KAIC10176-E | Select the storage to be unallocated. | Select the storage to be unallocated. |
| KAIC10177-E | Select the storage for which you want to create a copy pair. | Select the storage for which a copy pair will be created. |
| KAIC10178-E | Select storage belonging to a single subsystem. | Select storage belonging to a single storage subsystem. |
| KAIC10179-E | The group name is not specified. | Enter a group name. |
| KAIC10180-E | The group name "<*group-name*>" is a reserved name. | Enter another group name. |
| KAIC10181-E | The host name is not specified | Enter a host name. |
| KAIC10182-E | The specified World Wide Name is invalid. | Enter a valid World Wide Name. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10183-E | The World Wide Name must be unique. | Enter another World Wide Name. |
| KAIC10184-E | The IP address or host name is not specified. | Enter an IP address or host name. |
| KAIC10185-E | The user ID is not specified. | Enter a user ID. |
| KAIC10186-E | The SNMP community is not specified. | Enter a SNMP community. |
| KAIC10187-E | The password is invalid. | Re-enter a password. |
| KAIC10188-E | The format of the LDEV entry is invalid. | Enter the LDEV in the correct format. |
| KAIC10189-E | The format of the total capacity entry is invalid. Enter an integer value. | Revise and re-enter the total capacity.<br>You can enter a value up to a maximum of 2 to the power of 31 minus 1. |
| KAIC10190-E | The number of storages is invalid. Enter an integer value. | Enter the number of storages. |
| KAIC10191-E | The find options are invalid. | Enter a valid find option. |
| KAIC10192-E | Enter LDEVs. | Enter the LDEVs. |
| KAIC10193-E | Enter the total capacity. | Enter the total capacity. |
| KAIC10194-E | Enter the number of storages. | Enter the number of storages. |
| KAIC10195-E | A device cannot be found with the selected LDEV number *<LDEV-number>*. | Specify another LDEV number. |
| KAIC10196-E | There are no or not enough LDEVs matching the search criteria. | Specify another find option. |
| KAIC10197-E | Select more than one PORT. | Select more than one PORT. |
| KAIC10198-E | Select more than one PORT-HOST:WWN/iSCSI Name. | Select more than one Port-Host:WWN/iSCSI Name. |
| KAIC10199-E | Select more than one LU. | Select more than one LU. |
| KAIC10201-E | Select more than one LU-PORT-HOST:WWN/iSCSI Name connection. | Select more than one LU-Port-Host:WWN/iSCSI Name connection |
| KAIC10204-E | An LDEV with a path specified cannot be specified for a LUSE. | Select unallocated LDEVs. |
| KAIC10205-E | An LDEV reserved as a Migration LDEV cannot be specified for a LUSE. | Select LDEVs which are not reserved for Volume Migration (Hitachi USP), CruiseControl (Hitachi Lightning 9900V), or HIHSM (Hitachi Lightning 9900). |
| KAIC10206-E | If CVS LDEVs are in a LUSE, all LDEVs must be CVS. | Make all the LDEVs either CVS LDEVs or non-CVS LDEVs. |
| KAIC10207-E | All LDEVs in a LUSE must have the same CU. | Select LDEVs from the same CU. |
| KAIC10208-E | All LDEVs in a LUSE must have the same emulation type. | Select LDEVs having the same emulation type. |
| KAIC10209-E | All LDEVs in a LUSE must have the same RAID level. | Select LDEVs having the same RAID level. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10210-E | All CVS LDEVs in a LUSE must have the same size. | Select LDEVs having the same size. |
| KAIC10211-E | The sum total of the LU size must be less than 2 TB. | Make the sum total of the LU size less than 2 TB. |
| KAIC10212-E | The RAID0 LDEV cannot be specified in a LUSE. | Select LDEVs except RAID 0 level LDEVs. |
| KAIC10213-E | All LUs must belong to the same default port controller in a LUSE. | Select LDEVs having the same port controller. |
| KAIC10214-E | Only a maximum of 36 LDEVs may be configured in a LUSE. | Select no more than 36 LDEVs. |
| KAIC10215-E | Storage cannot be added to the selected logical group. | Select another logical group. |
| KAIC10216-E | No subsystems are registered. | Add a storage subsystem. |
| KAIC10218-E | A WWN already assigned to the port is selected. Check the available HOST:WWN and PORT combinations. | Check the available combinations of HOST:WWN and PORT. |
| KAIC10219-E | Storage which is not a LUSE volume is selected. | Select a LUSE volume. |
| KAIC10220-E | Enter your user ID. | Enter your user ID. |
| KAIC10221-E | Enter your password. | Enter your password. |
| KAIC10222-E | The user ID or password is invalid. | Enter your user ID and password. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10224-E | An error occurred in Single Sign On Service. | For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For Kerberos:<br>1. By using the host and port set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For not LDAP, not RADIUS and not Kerberos:<br>Contact the Support Center. |
| KAIC10225-E | Your session is over. Log out, and then log in again. | Log in again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10226-E | The temporary license has expired. Enter a product license key or a product license key file. | Purchase a license. |
| KAIC10227-E | The emergency license has expired. Enter a product license key or a product license key file. | |
| KAIC10228-E | Enter your license key. | Enter your license key. |
| KAIC10229-E | An attempt to get the license information has failed. | Please contact the Support Center. |
| KAIC10231-E | This license key is invalid or has already been registered. | Enter a valid license key. |
| KAIC10232-E | An attempt to log into Device Manager has failed. Enter the user ID and password. | Log in again. |
| KAIC10236-E | The host has no copy pair information. | Select a host that has one or more copy pairs. |
| KAIC10237-W | If this operation is performed during I/O processing on the primary volume, the data of the secondary volume may be corrupted. Make sure that no I/O processing is being performed on the primary volume before you proceed. Are you sure you want to continue? | Confirm that hosts are not issuing I/Os on any primary volume (P-VOL), and then continue the operation. |
| KAIC10238-W | An un-recommended value is specified for the copy pace. Make sure the value is correct. Are you sure you want to continue? | For AMS/WMS, Thunder 9500V or Thunder 9200, set the copy pace for ShadowImage, TrueCopy and QuickShadow / COW Snapshot to Faster 15. |
| KAIC10239-W | The data in the volume specified to be the secondary volume will be lost as a result of this operation. Please confirm. | Continuing this operation will delete the data of a volume specified to be a secondary volume. Back up the data if necessary, and then continue the operation. |
| KAIC10240-E | World Wide Name or iSCSI Name is not specified. | Enter a World Wide Name or iSCSI Name. |
| KAIC10241-E | The name of the storage subsystem is not specified. | Enter the name of the storage subsystem. |
| KAIC10242-E | Select more than one WWN or iSCSI Name or WWN group. | Select a WWN or iSCSI Name or a WWN group. |
| KAIC10243-E | The specified parent logical group is invalid. | For a parent logical group, do not specify a logical group that will be updated or a child logical group of a logical group that will be updated. |
| KAIC10244-E | The host name must be unique. | Enter another host name. |
| KAIC10245-E | World Wide Name(s) or iSCSI Name(s) <World-Wide-Name/iSCSI Name> is/are already in use by host(s) <host-name>. | Enter another World Wide Name or iSCSI Name. |
| KAIC10246-E | <*host-name*> HORCM <*instance-number*> cannot be specified, since it is not set to be managed. | Enter another instance number. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10247-E | The port number does not match the one already specified for <*host-name*> HORCM <*instance-number*>. The combination of the HORCM instance and the HORCM port number cannot be changed. | Select another combination, or create a new combination. |
| KAIC10248-E | This group name already exists in the host <*host-name*> HORCM <*instance-number*>. | Enter another group name. |
| KAIC10249-E | The port number <*port-number*> is already used in the host <*host-name*>. | Enter another port number. |
| KAIC10250-E | The same HORCM cannot be specified for both P-VOL and S-VOL. | Enter another HORCM. |
| KAIC10251-E | The same HORCM port cannot be specified for both P-VOL and S-VOL. | Enter another HORCM port. |
| KAIC10252-E | The LU <*DevNum*> cannot be deleted, because it is set as a command device. | Cancel the setup of the command device. |
| KAIC10253-E | The LU <*DevNum*> cannot be deleted, because it is set as a copy pair. | Delete a copy pair. |
| KAIC10254-E | The LU <*DevNum*> cannot be deleted from Device Manager. | Delete from the application attached to the storage subsystem. |
| KAIC10255-E | The LU <*DevNum*> cannot have a logical group moved. | When an expanded LU is made by Disk Array Management Program 2 with multiple LUs that have been allocated for an LUN, or when LUNs are assigned to LUs except for a MainLU after making the LU expansion, the LUNs except for the LUNs allocated to the MainLU are also displayed by Device Manager. In this case Device Manager cannot operate this type of LU. |
| KAIC10256-E | The storage of another storage subsystem is assigned to the group <*group-name*>. | Select another logical group. |
| KAIC10257-E | You cannot assign the same security for all the LDEVs that you selected. | Secure the security individually. |
| KAIC10258-E | The LU <*DevNum*> cannot be secured with Device Manager. | Secure the LUN from the application attached to the storage subsystem. |
| KAIC10260-E | A request cannot be received. Close the dialog box, and retry the operation. If the problem re-occurs, log in again and retry the operation. | Close the dialog and try the operation again. |
| KAIC10263-E | Use numeric characters for the HORCM instance number. | Enter a valid instance number. |
| KAIC10264-E | Use numeric characters for the port number | Enter a valid port number. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10265-E | Only alphanumeric characters and symbols can be used in copy pair names and copy group names. Also, '-' cannot be used at the beginning of a name. | Enter a valid pair name. |
| KAIC10266-W | Because LUNs are already assigned to the following combinations of LDEVs and Ports, this operation does NOT assign LUNs to them and does NOT register them to the storage group. Are you sure you want to continue? | Enter a valid character string. |
| KAIC10267-E | The selected WWN Group is not registered in the selected port. Check the available combinations of HOST:WWN and PORT. | Check the available combinations of HOST:WWN and PORT, and use an available combination. |
| KAIC10268-E | The selected LU is already allocated to the selected port. Check the available combinations of LU and Port-Host WWN. | Check the available combinations of LU and Port-Host WWN, and use an available combination. |
| KAIC10269-E | The selected LU is already allocated to the selected Port/HSD(iSCSI Target). Check the available combinations of LU and Port-Host WWN/iSCSI Name. | Check the available combinations of LU and Port-Host WWN/iSCSI, and use an available combination. |
| KAIC10270-W | As a result of this operation, data on these volumes will be lost. Are you sure you want to continue? | Check the contents of the warning and check whether there is an error in the operation. |
| KAIC10271-W | Confirm that no host and External port is performing I/O processing on any of the LUNs with the PORTs. If I/O processing is being performed, the processing might terminate abnormally. Are you sure you want to continue? | |
| KAIC10272-W | Confirm that no host and External port is performing I/O processing on any of the LUNs with the HSD/iSCSI Target. If I/O processing is being performed, the processing might terminate abnormally. Are you sure you want to continue? | Check the contents of the warning and check whether there is an error in the operation. |
| KAIC10273-W | Confirm that no host and External port is performing I/O processing on any of the LUNs. If I/O processing is being performed, the processing might terminate abnormally. Are you sure you want to continue? | |
| KAIC10274-W | This operation will change the port's LUN security, which may prevent other hosts and External ports from accessing LUNs with the following ports. Are you sure you want to continue? | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10275-W | Deleting copy pair volumes or command devices may disable later modification of the copy pair volume settings. Are you sure you want to continue? | |
| KAIC10276-E | The host <*host-name*> is not a host that can operate copy pairs. | Check the following items:<br>1. The version of the RAID Manager installed on the host.<br>2. The version of the host agent installed on the host.<br>3. A command device is accessible by the host. |
| KAIC10277-E | A selected LDEV does not satisfy requirements for the copy pair. Possible reasons for this error are as follows:<br>1. A requirement for making a copy pair was not satisfied.<br>2. An LDEV that meets the requirements for making a copy pair has not been selected.<br>See "Requirements for copy pairs", and make sure that the copy pair satisfies the necessary requirements for making a copy pair. | Select an LDEV that meets the requirements and execute the process again. |
| KAIC10278-E | Specify a group name. | Enter valid characters. |
| KAIC10279-E | Specify the <*P-VOL or S-VOL*> <*Item Name*>. | Use numeric characters. |
| KAIC10281-E | <*Name*> can only contain numeric characters. | |
| KAIC10282-E | Specify the <*name*> using a number between <*number*> and <*number*>. | Enter another number. |
| KAIC10284-E | A device already allocated to all ports is included. | Select a device that can be allocated. |
| KAIC10285-E | A WWN group and WWN registered to a WWN group cannot be selected. | Select a WWN that is not registered to the selected WWN group. |
| KAIC10286-E | The selected WWN is registered to the WWN group in the selected port. Check the available combinations of HOST:WWN and PORT. | Check the available combinations of HOST:WWN and PORT, and use an available combination. |
| KAIC10287-W | The LDEV cannot be specified because an invalid LDEV is selected or multiple LDEVs are selected. The initial window of Dynamic Link Manager is displayed. | Re-select the LDEV, or select an LDEV in Dynamic Link Manager. |
| KAIC10288-E | Add a subsystem. | Add a storage subsystem before displaying the report window. |
| KAIC10289-E | Check the contents of the warning. | Check the contents of the warning, then select the check box. |
| KAIC10290-E | A resource group is registered in the specified logical group. | Create a new logical group, then add a path in the logical group. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10291-E | The operation cannot be continued because no host is registered. | Register a host. |
| KAIC10292-E | An attempt to perform authentication has failed. | Contact the system administrator. |
| KAIC10293-E | An attempt to start has failed. | Confirm that you are using a JRE version that is supported for use with Web Client.<br>If the error occurs again, contact the system administrator. |
| KAIC10294-E | No path is selected. | Select a path. |
| KAIC10295-E | An LDEV in pool cannot be used for storage allocation. | Select a device that can be allocated. |
| KAIC10296-E | The LDEV device specified by the LDEV number <*LDEV-number*> is part of a pool. | Specify the LDEV number of an allocatable device. |
| KAIC10298-E | A communication error has occurred. Open the Tasks menu, and confirm that the operation has finished. | Open the Tasks menu to check if the operation has finished. If this error occurs frequently, contact the system administrator. |
| KAIC10299-E | An illegal transition was done by user operation. | Retry the operation. |
| KAIC10300-E | The session is over. Log out, and then log in again. | Log out, and then log in again. |
| KAIC10301-E | The session is invalid. Log out, and then log in again. | |
| KAIC10302-E | All the paths that you have specified already exist. Specify other LDEVs and ports. | Specify other LDEVs and ports. |
| KAIC10303-E | In QuickShadow / COW Snapshot, a Restore operation cannot be performed in a batch for multiple copy pairs with the same P-VOL. | Select one copy pair from the copy pairs with the same P-VOL to perform the restore operation. |
| KAIC10304-E | Select the alert to be deleted. | Select the alert to be deleted. |
| KAIC10305-E | No logical groups are registered. Add a logical group, and then execute the operation. | Add a logical group before executing the operation. |
| KAIC10306-W | The storage subsystem "<*subsystem-name*>" has two controllers, but only one IP Address was specified. We recommend that you specify another IP Address by modifying the properties in the Subsystem Management window. | Specify another IP Address by modifying the properties in the Storage Subsystem Management window. |
| KAIC10307-E | Enter the appropriate characters as follows: <*string*>. The maximum text length is <*number*> characters. | Check valid characters and text length. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10309-W | Update the current Javascript to the latest version. | Install Internet Explorer 6.0 or later version, or you can download the latest JScript from the site below and install it.<br>http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=c717d943-7e4b-4622-86eb-95a22b832caa |
| KAIC10310-E | Select one or more World Wide Names. | Specify the World Wide Names to delete. |
| KAIC10311-E | The selected storage is deleted. | Select another storage. |
| KAIC10312-E | The group name "LUN SCAN" is reserved. Change the group name to execute this operation. | Change the group name using "Modify Properties". |
| KAIC10313-E | A LUSE cannot be created by mixing an internal volume with an assigned volume of <*pp-name*>. | Select internal volumes only, or assigned volumes only. |
| KAIC10314-E | All LDEVs in a LUSE must be the same IO Suppression mode. | Select LDEVs with the same IO Suppression mode. |
| KAIC10315-E | All LDEVs in a LUSE must be the same Cache mode. | Select LDEVs with the same Cache mode. |
| KAIC10316-W | A host that corresponds to the External port of a subsystem cannot be removed. | A host that corresponds to the External port of a storage subsystem cannot be removed from the system. |
| KAIC10317-W | An assigned volume of <*pp-name*> may be invalid. Are you sure you want to continue? | A volume assigned by Universal Volume Manager may be invalid. Check the changes. |
| KAIC10318-W | An attempt was made to create a LUSE with multiple external subsystems or an unknown external subsystem. (LDEV = <*LDEV-number*>) | A LUSE with multiple external subsystems is not recommended. Select LDEVs with the same external subsystem. |
| KAIC10319-E | Provisioning Manager failed to invoke Device Manager. (info: <*info*>) | Contact the Support Center. |
| KAIC10320-E | Provisioning Manager sent an invalid request. (info: <*info*>) | |
| KAIC10321-E | The license key file that was entered is invalid. | Enter the correct license key file, then retry. |
| KAIC10322-E | Enter your license key file. | Enter your license key file. |
| KAIC10323-E | Failed to delete the file. | No action is required. |
| KAIC10324-E | One or more application files are corrupt. | Contact the support center. |
| KAIC10325-E | The license key file exceeds the maximum size. | |
| KAIC10326-E | This license key file is invalid or has already been registered. | Enter the correct license key file, then retry. |
| KAIC10327-E | All the LU types in a LUSE must be the same. | Make sure that all the LDEV types are the same. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10328-W | Confirm that all hosts have been added into the host view before running a LUN Scan. After LUN Scan, Device Manager creates new hosts that have WWNs/iSCSI Names associated with the LUNs and have not been added into the Host View. You will need to clean up these hosts after the attributes of them are updated when the Device Manager Agent reports information about them. Are you sure you want to continue? | Check all hosts in host view. |
| KAIC10329-E | Device Manager Web Client internal error has occurred. | Contact the support center. |
| KAIC10331-E | The formats specified for LDEV attribute condition values do not match. | Specify the same format for LDEV attribute condition values. |
| KAIC10332-E | For >=, specify a value that is less than or equal to the value specified for <=. | For >=, specify a value that is less than or equal to the value specified for <=. |
| KAIC10333-W | If a storage resource is associated with a different storage resource, a partitioned storage administrator will not be able to manage the storage resource. | Your setting might prevent a partitioned storage administrator from managing the storage resource. Make sure that this setting is appropriate. |
| KAIC10334-W | If volumes from different cache resources are used to create a LUSE volume, the effectiveness of the cache partition might be reduced. | Your setting might reduce the effectiveness of the cache partition. Make sure that this setting is appropriate. |
| KAIC10335-W | A LUSE volume that consists of volumes in different cache resources has been selected. This might reduce the effectiveness of the cache partition. | Your setting might reduce the effectiveness of the cache partition. Make sure that this setting is appropriate. |
| KAIC10336-E | Device Manager has failed to open the Web browser.<br>Make sure that the Web browser is running normally.<br>Make sure that the link to the Web browser is set up correctly. | Make sure that the link to the Web browser is set up correctly. |
| KAIC10337-E | Device Manager has failed to open the Web browser.<br>Make sure that the Web browser is running normally.<br>Make sure that the path to Internet Explorer is set up correctly. | Make sure that the path to Internet Explorer is set up correctly. |
| KAIC10338-W | An operation was performed while the subsystem was being updated.<br>The displayed information might not be the latest information. | If a subsystem operation is executed during update processing, the operation might fail. After the update processing finishes, retry the operation. |
| KAIC10339-E | The subsystem is being updated. After this update processing finishes, retry the operation. | After the update processing finishes, retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10340-E | An attempt to execute license management has failed. | Memory for executing license management may be insufficient on the system running Device Manager.<br>Please confirm whether the memory is insufficient on the system. If this problem persists, contact customer support. |
| KAIC10341-E | All the LU CLPRs in a LUSE must be the same. | Make sure that all the LDEV CLPRs are the same. |
| KAIC10342-E | An LDEV in a DM-LU cannot be used for storage allocation. | Select a device that can be allocated. |
| KAIC10343-E | The LDEV device specified by the LDEV number <*LDEV-number*> is part of a DM-LU. | Specify the LDEV number of an allocatable device. |
| KAIC10344-E | Only a maximum of 128 LDEVs may be configured in a LUSE. | Select no more than 128 LDEVs. |
| KAIC10361-E | Enter the host storage domain name. | Enter the host storage domain name. |
| KAIC10362-E | The specified host storage domain name "<*host-storage-domain-name*>" is not available. This host storage domain name is already used by another host storage domain on the same port. | Change the name of the host storage domain to one that does not exist. |
| KAIC10363-E | The operation is not possible because the Host Storage Domain Info panel is open or in the process of closing. Close the Host Storage Domain Info panel. After the screen has been refreshed, retry the operation. | Close the Host Storage Domain Info panel. After the screen has been refreshed, retry the operation. |
| KAIC10364-E | Link and launch for Storage Navigator Modular is required for this operation.<br>Please manually install and configure it according to the instructions in the manual. | To use PhysicalView, a setting for linking with Storage Navigator Modular is necessary. Confirm that the corresponding storage subsystem is correctly registered in Storage Navigator Modular. |
| KAIC10365-E | If V-VOL LDEVs are in a LUSE, all LDEVs must be V-VOL. | Make all the LDEVs either V-VOL LDEVs or non-V-VOL LDEVs. |
| KAIC10366-E | Authentication was refused when logging into the common component. Log out, and then log in again. | Log out, and then log in again. |
| KAIC10367-E | Device Manager Web Client internal error has occurred. | Contact the Support Center. |
| KAIC10368-E | The license that corresponds to the subsystem has not been registered. | Register the license in the Version Information of Device Manager panel. |
| KAIC10369-W | Data on the array group <*array-group-number*>, which is the target of this operation, will be lost. Make sure that the data is not necessary. | Data on the array group that is the target of this operation will be lost. Check the data and, if necessary, take a backup, and then continue the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10370-W | If the settings for this port are changed, the storage might become inaccessible to the hosts and external ports that are currently accessing the storage. | Thoroughly check the settings. |
| KAIC10371-W | The system will now be rebooted to apply the settings. I/O requests cannot be received during the reboot. If the system is being used as an external subsystem, make sure that you execute the Disconnect Subsystem operation on Storage Navigator. | The system will now be rebooted to apply the settings. I/O requests cannot be received during the reboot. If the system is being used as an external subsystem, make sure that you execute the Disconnect Subsystem operation on Storage Navigator. |
| KAIC10372-W | Make sure that I/O processing is not being performed from hosts or external ports that are using the port targeted for this operation. Performing this operation while I/O processing is being performed might damage the file system. Also, as a result of this operation, only the hosts and external ports that are set in the host storage domain <*name-of-the-host-storage-domain-ID0*> will be able to gain access. | Make sure that I/O processing is not being performed from hosts or external ports. |
| KAIC10373-I | Register the license key. | Register the license key. |
| KAIC10374-I | License registration has finished. | No action is required. |
| KAIC10375-I | The temporary license will expire in <*n*> days on <*date*>. | Register the license before the expiration date. |
| KAIC10376-I | The emergency license will expire in <*n*> days on <*date*>. | |
| KAIC10377-E | An attempt to log into Device Manager has failed. For the user, allocate a resource group, and assign a Device Manager permission other than Peer or assign a user management permission. Then log in again. | For the user, allocate a resource group, and assign a Device Manager permission other than Peer, or assign a user management permission. Then, log in again. |
| KAIC10379-E | All LDEVs in a LUSE must have the same stripe size. | Make sure all the LDEVs have the same stripe size. |
| KAIC10380-E | A JavaScript-enabled browser is required. | A JavaScript-enabled browser is required. |
| KAIC10381-E | The temporary license has expired. | Purchase a license. |
| KAIC10382-E | The emergency license has expired. | |
| KAIC10383-E | The combination of filter conditions is invalid. | If you filter using AND, you can specify no more than 2 LDEV attribute conditions. Each condition must have a different operator. You cannot specify multiple non-LDEV attributes. |
| KAIC10385-E | Duplicate resource group names are not allowed. | Make sure that the resource group name is not a duplicate, then retry. |
| KAIC10386-E | The resource group was not found in the Device Manager database. | Make sure that the resource group name exists in the Device Manager database, then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10387-E | The specified resource group cannot be added under this API version. | Device Manager Web Client internal error has occurred. |
| KAIC10388-E | The specified user cannot be added under this API version. | |
| KAIC10389-E | The specified logical group is already being used by another resource group. | Specify another logical group, then retry. |
| KAIC10390-E | The specified resource group is already associated with another logical group. | Remove the old association, then retry. |
| KAIC10391-E | A user is already registered in the specified resource group. | |
| KAIC10392-E | A resource group is registered under the specified logical group. | Remove all resource groups under the specified logical group, then retry. |
| KAIC10393-E | A resource group is registered in the specified logical group. | Create a new logical group, and then add a path in the logical group. |
| KAIC10394-E | The logon user cannot modify own resource group and user role. | Check the logon user authorization, then retry. |
| KAIC10395-E | The resource group name is invalid. Use name less than 25 bytes. | The resource group name is invalid. Use name less than 25 bytes. |
| KAIC10396-E | The built-in resource group cannot be deleted. | Check the resource group. |
| KAIC10397-E | The own resource group cannot be deleted. | |
| KAIC10398-E | The built-in resource group cannot be modified. | |
| KAIC10399-E | The own resource group cannot be modified. | |
| KAIC10400-E | The specified group name is reserved. It cannot be used. | |
| KAIC10401-E | The logon user who does not belong to any resource groups cannot use the function of the Device Manager. | Try again with the user who can use the function of the Device Manager. |
| KAIC10402-E | An inconsistency with the common user information about resource group was detected. | The Common Component may not contain the most current resource group information. Restart the Device Manager Server. |
| KAIC10403-E | The specified resource group is not registered in the common user information. | Check the resource group. |
| KAIC10404-E | The specified resource group has already been registered in the common user information. | |
| KAIC10405-E | Missing parameter: Resource Group <*name*>. | The Resource Group "name" is required. Provide the missing parameter, then retry. If this problem persists, contact the Support Center. |
| KAIC10406-E | The resource group was not found in the Device Manager database. | Check the resource group. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10407-E | The "group name" is invalid. Specify within 25 characters. Only alphanumeric characters and '-', '=', '\', '`', ',', '.', '_' are permitted. | Check the group name. |
| KAIC10408-E | The license key that should be entered does not exist in the license key file. The entered license key file is for another product. Please verify the license key file. | Enter the correct license key file, then retry. |
| KAIC10410-E | The operation is not possible because the Select WWN/iSCSI Name panel is open or in the process of closing. Close the Select WWN/iSCSI Name panel and, after the window has been refreshed, retry the operation. | After the window has been refreshed, retry the operation. |
| KAIC10411-E | An LDEV selection is invalid. The LDEV (LDEV number <*dev-number*>) is reserved as an OnDemand LDEV. | Select a valid LDEV. |
| KAIC10412-E | An LDEV selection is invalid. The LDEV (LDEV number <*ldev-number*>) is reserved as a Migration LDEV. | |
| KAIC10413-E | An LDEV reserved as an OnDemand LDEV cannot be used for storage allocation. | |
| KAIC10414-E | An LDEV reserved as a Migration LDEV cannot be used for storage allocation. | |
| KAIC10415-E | An LDEV reserved as an OnDemand LDEV cannot be specified for a LUSE. | |
| KAIC10416-E | This host name is already used by a mainframe host. | Please select an unused host name. Use the CLI to check which mainframe host names are being used. For details about how to do this, see the CLI manual. |
| KAIC10417-E | Not all of the selected LDEV paths belong to the same logical group. Select LDEV paths that belong to the same logical group. | Clear the selection or use the Move Storage function for the necessary LDEV paths, so that all selected LDEV paths belong to the same logical group, and then retry the operation. |
| KAIC10418-E | Some of the selected LDEV paths do not belong to a logical group. Select LDEV paths that belong to the same logical group. | |
| KAIC10419-E | <*number-of-selected-LDEV-paths*> LDEV paths are selected. A maximum of <*maximum-number-of-selectable-LDEV-paths*> LDEV paths can be selected for the Add Like Storage function. | Select a number of LDEV paths that does not exceed the maximum number of selectable LDEV paths, and then retry the operation. |
| KAIC10420-E | <*number-of-selected-hosts*> hosts are selected. A maximum of <*maximum-number-of-hosts*> hosts can be removed. | Select a number of hosts that does not exceed the maximum number of hosts that can be removed, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10421-W | The temporary license will expire in <*n*> days on <*date*>. Enter a product license key or a product license key file. | Register the license before the expiration date. |
| KAIC10422-W | The emergency license will expire in <*n*> days on <*date*>. Enter a product license key or a product license key file. | |
| KAIC10423-W | The copy pair cannot be created because the copy status of multiple copy pairs that use the same P-VOL cannot be specified as "Pair" in this subsystem. | When creating a copy pair, return to the Choose Pair(s) window, and then change the copy pair settings so that the same P-VOL is not used, or change the copy status of the existing copy pair to "Split" or "Simplex". |
| KAIC10424-E | "Restore" or "Resync" cannot be specified for an operation on multiple copy pairs, because the copy status of multiple copy pairs that use the same P-VOL cannot be specified as "Pair" in the subsystem <*subsystem-name*>. | If changing the copy status for multiple copy pairs that use the same P-VOL, use only one copy pair for which "Restore" or "Resync" is specified. |
| KAIC10425-W | The value of the `table.ldev.rowsperpage` property could not be acquired because an attempt to read the `client.properties` file failed. In this case, the default values (25, 300) will be used for the number of rows displayed for a sortable table. | Confirm the following to make sure the application program can read the `client.properties` file:<br>▪ The `client.properties` file exists.<br>▪ You have permission to read the `client.properties` file.<br>▪ The `client.properties` file is not corrupted.<br>For details on the `table.ldev.rowsperpage` property in the `client.properties` file, see the *Configuration and Operation Guide.* |
| KAIC10426-W | The value (<*set-value*>) specified for the `table.ldev.rowsperpage` property in the `client.properties` file is invalid. In this case, the default values (25, 300) will be used for the number of rows displayed for a sortable table. | Specify a valid value for the `table.ldev.rowsperpage` property in the `client.properties` file.<br>For details on this property, see the *Configuration and Operation Guide.* |
| KAIC10427-I | A value (<*set-value*>) has been specified for `table.ldev.rowsperpage` property in the `client.properties` file. <*set-value*> rows will be displayed for a sortable table. | No action is required. |
| KAIC10428-W | The `table.ldev.rowsperpage` property has not been specified in the `client.properties` file. In this case, the default values (25, 300) will be used for the number of rows displayed for a sortable table. | Specify a valid value for the `table.ldev.rowsperpage` property in the `client.properties` file.<br>For details on this property, see the *Configuration and Operation Guide.* |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10429-E | An attempt was made to allocate <*number-of-LU-Port-Host:WWN-combinations*> LU - Port - Host: WWN/iSCSI Name combinations. The upper limit for LUNs allocatable in one operation is 100 LUNs.<br>If you want to allocate more than the upper limit, execute multiple operations. | If you want to allocate more than the upper limit, execute multiple operations.<br>The upper limit can be set or released using the client.assignlun.upperlimit.enabled property in the client.properties file.<br>For details on this property, see the *Configuration and Operation Guide.* |
| KAIC10430-E | The user ID or the password is incorrect. | Make sure that the user ID and the password exist. |
| KAIC10431-W | The value of the client.assignlun.upperlimit.enabled property could not be acquired because an attempt to read the client.properties file failed. The default value (true) will be used. | Confirm the following to make sure the application program can read the client.properties file:<br>▪ The client.properties file exists.<br>▪ You have permission to read the client.properties file.<br>▪ The client.properties file is not corrupted.<br>For details on the client.assignlun.upperlimit.enabled property in the client.properties file, see the *Configuration and Operation Guide.* |
| KAIC10432-W | The client.assignlun.upperlimit.enabled property has not been specified in the client.properties file. The default value (true) will be used. | Specify a valid value for the client.assignlun.upperlimit.enabled property in the client.properties file.<br>For details on this property, see the *Configuration and Operation Guide.* |
| KAIC10433-W | The value (<*specified value*>) specified for the client.assignlun.upperlimit.enabled property in client.properties is invalid. The default value (true) will be used. | Specify a valid value for the client.assignlun.upperlimit.enabled property in the client.properties file.<br>For details on this property, see the *Configuration and Operation Guide.* |
| KAIC10434-I | The client.assignlun.upperlimit.enabled property is set to true. | No action is required. |
| KAIC10435-I | The client.assignlun.upperlimit.enabled property is set to false. | |
| KAIC10438-E | An attempt was made to allocate more than <*number-of-LU-Port-Host:WWN-combinations*> LU - Port - Host: WWN/iSCSI Name combinations. The upper limit for LUNs allocatable in one operation is 100 LUNs.<br>If you want to allocate more than the upper limit, execute multiple operations. | If you want to allocate more than the upper limit, execute multiple operations.<br>The upper limit can be set or released using the client.assignlun.upperlimit.enabled property in the client.properties file.<br>For details on this property, see the *Configuration and Operation Guide.* |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10439-E | This license key is either invalid or may be for another product. | Enter a valid license key. |
| KAIC10440-E | The last path of an LU of the copy pair volume cannot be released. | Cancel a copy pair volume and delete a path. For V-VOL, delete the path from Physical View. |
| KAIC10441-W | The format of the entered capacity is invalid. | Enter the capacity in the correct format. |
| KAIC10442-W | The length of the value specified for the capacity is invalid. Specify a character string from 1 to 9 characters. | |
| KAIC10443-W | The value (<*specified-value*>) specified for the property client.report.csv.format.escaped in the file client.properties is invalid. The default value (<*true*>) will be used. | Specify a valid value for the property client.report.csv.format.escaped in the file client.properties.<br>For details on this property, see the *Configuration and Operation Guide.* |
| KAIC10444-I | The property client.report.csv.format.escaped in the file client.properties is set to true. | No action is required. |
| KAIC10445-I | The property client.report.csv.format.escaped in the file client.properties is set to false. | |
| KAIC10446-E | The operation is not possible because the Select Journal Group panel is open or in the process of closing. Close the Select Journal Group panel. After the screen has been refreshed, retry the operation. | Close the Select Journal Group panel. After the screen refreshes, retry the operation. |
| KAIC10447-E | The LUN IDs available after the specified first LUN ID are insufficient. Change the first LUN ID to a smaller number, and try again. (Port (HSD) = <*Port-(HSD)-name*>) | The LUN IDs available after the specified first LUN ID are insufficient. Change the first LUN ID to a smaller number, then retry. |
| KAIC10448-E | The LDEV (number <*LDEV-number*>) has the <*VolumeAttr*> attribute. | Please select a valid LDEV. |
| KAIC10449-E | A path cannot be set for an LDEV that has the <*VolumeAttr*> attribute. | Select a device that can be assigned. |
| KAIC10450-W | The search condition specified in [Find Storage] might not execute correctly because the specified number of LDEVs exceeds the maximum (<*Number of LDEVs*> ) that can be processed at one time. Using [Enter LDEVs] or [Browse LDEVs], please select a lower number of storage subsystems for the operation. | Please select the storage subsystems by using **Enter LDEVs** or **Browse LDEVs**. |
| KAIC10451-E | The number of specified LDEV(s) exceeds the maximum (<*maximum-number-of LDEVs*>) that can be specified at once. Divide the operation into two or more operations so that the specified number of LDEVs for each operation does not exceed the above maximum. | If you need to specify a number of LDEVs that exceeds the maximum for a single operation, divide the operation into several operations. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10452-W | The maximum number of search data items that can be displayed has been reached (2048). If required data is not displayed, please divide the operation into several smaller operations. | If required data is not displayed, please divide the operation into several smaller operations. |
| KAIC10453-E | The storage subsystem information might not be up-to-date. Refresh the storage subsystem information, and then re-execute the operation. (subsystem: <*subsystem-name*>) | Refresh the storage subsystem, and then try again.<br>If you do not refresh the storage subsystem, you might not be able to operate storage subsystems. |
| KAIC10454-E | The storage subsystem information might not be up-to-date. Restart the Device Manager server, and then re-execute the operation. | Restart the Device Manager server, then retry.<br>If you do not restart the Device Manager server, the contents displayed in sortable tables might become incorrect. |
| KAIC10455-E | The format of the entered Consumed Capacity is invalid. | Enter the Consumed Capacity in the correct format. |
| KAIC10456-E | The length of the value specified for the Consumed Capacity is invalid. Specify a character string from 1 to 9 characters. | |
| KAIC10457-W | The specified operation cannot be performed because the storage subsystem is not supported by Device Manager. | Unsupported storage subsystems can only be deleted. Other operations are not supported. |
| KAIC10460-E | The execution for start command of <*command-name*> failed. | Start the Device Manager Server. |
| KAIC10461-E | The execution for stop command of <*command-name*> failed. | Stop the Device Manager Server. |
| KAIC10462-W | The number of LDEVs exceeds the maximum (*Number of LDEVs*) that can be processed at one time. Please change and rerun a search option, or using [Enter LDEVs] or [Browse LDEVs] and choose storage to operate other LDEV(s). | Please change and rerun a search option, or using **Enter LDEVs** or **Browse LDEVs** and choose storage to operate other LDEV(s). |
| KAIC10463-E | The operation is not possible because the iSCSI Target Info panel is open or in the process of closing. Close the iSCSI Target Info panel. After the screen has been refreshed, retry the operation. | Close the iSCSI Target Info panel. After the screen has been refreshed, retry the operation. |
| KAIC10465-E | The length of the value specified for the array group is invalid. Specify a character string from 1 to 20 characters. | Enter the array group in the correct format. |
| KAIC10466-I | Core License registration has finished. | No action is required. |
| KAIC10467-E | Enter the iSCSI Target. | Enter the iSCSI Target. |
| KAIC10468-E | The specified iSCSI Target "<*iSCSI-Target*>" is not available. This iSCSI Target is already used by another iSCSI Target on the same port. | Change the name of the iSCSI Target to one that does not exist. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10469-E | Select one or more iSCSI Names. | Specify the iSCSI Names to delete. |
| KAIC10470-E | The specified iSCSI Name is invalid. | Enter a valid iSCSI Name. |
| KAIC10471-E | The iSCSI Name must be unique. | Enter another iSCSI Name. |
| KAIC10472-E | License registration of Web Client has finished, but there is a possibility that licensing info acquisition handling of Device Manager Server failed. | Log in again. If this problem persists, contact the Support Center. |
| KAIC10473-E | There is a possibility that licensing info acquisition handling of Device Manager Server failed. | Log in again. If this problem persists, contact the Support Center. |
| KAIC10474-E | An error was encountered during task execution. Please see error code and message below for details. Click the Back button to modify task parameters, if needed, and re-submit the task for execution. | Please see error code and message below for details. Click the Back button to modify task parameters, if needed, and re-submit the task for execution. |
| KAIC10475-W | A LUN exists whose security does not match the security of the host storage domain/iSCSI target. | Contact the Support Center. |
| KAIC10476-E | Different type of A WWN/iSCSI Name and port are selected. Check the available HOST:WWN/iSCSI Name and PORT combinations. | Make sure that the combination of WWN (or iSCSI name) and port is valid. |
| KAIC10477-E | Paths that have different port types are selected. Select paths that have the same port type. | Select paths that have the same port type. |
| KAIC10478-W | A path cannot be added because the type of an entered WWN or iSCSI Name is different from the type of a WWN or iSCSI Name already set for the host. To add a path to a WWN or iSCSI name, use the Add Storage function. | To add a path to a WWN or iSCSI name, use the Add Storage function. |
| KAIC10479-E | An internal error occurred. | Collect maintenance information, and then contact customer support. |
| KAIC10480-E | An error occurred in the Storage Navigator Modular 2. (error code = "<*error code*>") | Collect maintenance information, and then contact customer support. |
| KAIC10481-E | No usable pools are registered. | Register a pool. |
| KAIC10482-E | The length of the value specified for the host is invalid. Specify a character string by using to 50 characters. | Enter the host in the correct format. |
| KAIC10483-E | The format of the host entry is invalid. | |
| KAIC10484-E | The format of the array group entry is invalid. | Enter the array group in the correct format. |
| KAIC10485-E | No mapping path is selected. | Select at least one mapping path. |
| KAIC10486-E | No LDEV number is entered. Enter the *LDEV number*. | Enter the LDEV number. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10487-E | The format of the entered LDEV number is invalid. Enter either "Auto" or an LDEV number. | Enter the LDEV number in the correct format. |
| KAIC10488-E | No array group is entered. Enter the array group. | Enter the array group. |
| KAIC10489-E | The format of the entered array group is invalid. Enter either "Auto" or a value from 1 to 16384. | Enter the array group in the correct format. |
| KAIC10490-E | Enter the CLPR number. | Enter the CLPR number. |
| KAIC10491-E | The format of the entered CLPR number is invalid. Enter a numeric value from 0 to 2147483647. | Enter the CLPR number in the correct format. |
| KAIC10494-E | Duplicate LDEV numbers exist. Please specify a unique LDEV number. | Specify a unique LDEV number. |
| KAIC10495-E | The number of specified LDEVs exceeds 100, the maximum number that can be specified at once. If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times, specifying a valid number of LDEVs each time. | If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times, specifying a valid number of LDEVs each time. |
| KAIC10496-E | The number of items selected for the mapping path has exceeded the maximum number of selectable items. You can specify a maximum of 8 items. | Change the number of items selected for the mapping path to 8 or fewer. |
| KAIC10497-W | You can combine from 1 to 8 external array nodes and ports. Click the appropriate LDEV number, and then change the number of combinations. | Click the appropriate LDEV number, and then change the number of combinations. |
| KAIC10498-E | External storage settings cannot be specified for this storage subsystem. (microcode version = *version-number*) | Select a storage subsystem for which the settings can be specified. |
| KAIC10500-E | An attempt to connect to the database has failed. Make sure the database has been started. | If the database has not been started, re-start it, then retry.<br>If the database has been started, there might be an internal error. Please contact the Support Center. |
| KAIC10501-E | An attempt to acquire data from the database has failed. Make sure the database has been started. SQL statement: *SQL statement* | |
| KAIC10502-E | The file could not be opened. Make sure the file/directory access permissions and path name are correct, and that there is enough free space in the filesystem. File name: *file name* | Make sure the file/directory access permissions and path name are correct, and that there is enough free space in the filesystem.<br>If there is not enough free space in the file system, delete any unnecessary files, then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10503-E | An attempt to write the file has failed. Make sure the file/directory access permissions are correct, and that there is enough free space in the filesystem. File name:*file name* | Make sure the file/directory access permissions are correct to enable the user executing the operation to write the file, then retry.<br>If there is not enough free space in the file system, delete any unnecessary files, then retry. |
| KAIC10504-E | An attempt to read the file has failed. Make sure the file/directory access permissions are correct, and that there is enough free space in the filesystem. File name: *file name* | Make sure the file/directory access permissions are correct to enable the user executing the operation to read the file, then retry. |
| KAIC10505-E | An attempt to delete the file has failed. Make sure the file/directory access permissions are correct. File name: *file name* | Make sure the file/directory access permissions are correct to enable the user executing the operation to delete the file, then retry. |
| KAIC10506-E | The size of the detailed array report is more than 2 gigabytes. Reduce the number of selected storage subsystems, and then try again. | Reduce the number of selected storage subsystems, then retry. |
| KAIC10507-E | An attempt to perform a cancellation has failed. The status of the detailed array report has already changed to "error" or "incomplete", or else the detailed array report has already been deleted. | Cancellation can only be performed when the status is "processing". If the status is any other status, cancellation cannot be performed. Close the window, by clicking the close button. |
| KAIC10508-W | Another request to create a detailed array report is currently being executed. Please wait for a while. | Wait until the status of the detailed array report being processed changes to another status, then retry. |
| KAIC10509-W | There are too many LDEVs, so it might not be possible to display reports. If they cannot be displayed, use the detailed array report. | Sometimes HTML output cannot be performed if there are too many LDEVs. From the report list, use the detailed array report. |
| KAIC10510-W | After downloading the detailed array report, delete it from the server. | The detailed array report is retained on the server even after it is downloaded. We recommend deleting it from the server as soon as possible. |
| KAIC10511-E | The status of the detailed array report is "incomplete". File name: *file name* | There is a possibility of an internal error. Please contact the Support Center. |
| KAIC10512-E | The detailed array report was deleted. File name: *file name* | If you need a detailed array report, try the operation again. |
| KAIC10513-E | An internal error occurred. | Click the [Refresh Tree] button, and then display the navigation area again. |
| KAIC10514-E | An attempt to acquire the Storage Navigator Modular tree information has failed. | Collect maintenance information, and then contact customer support. |
| KAIC10515-E | There are no available LDEVs. | Provide LDEVs which can be registered to the pool. |
| KAIC10516-E | The specified pool cannot be deleted because a virtual volume is assigned to it. | Delete any virtual volumes assigned to the specified pool. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10517-E | A virtual volume cannot be deleted because a path is set to a <*PP-name*> virtual volume (LDEV number = <*LDEV-number*>). | Check the virtual volume, and then retry the operation. |
| KAIC10520-E | A license for <*PP-name*> is not registered in the storage subsystem. | Install the license for <*PP name*> into the storage subsystem. |
| KAIC10521-E | There are no available pool IDs. | Delete any unnecessary pools, and then retry the operation. |
| KAIC10522-E | An attempt was made to delete <*number-of-pools-selected*> pools. A maximum of <*set-maximum*> pools can be deleted in one operation. If you want to delete more than the maximum number of pools, execute multiple operations. | If you want to delete more than the maximum number of pools, execute multiple operations. |
| KAIC10525-E | An attempt was made to delete <*number-of-virtual-volumes-selected*> <*PP-name*> virtual volumes. A maximum of <*set-maximum*> virtual volumes can be deleted in one operation. If you want to delete more than the maximum number of virtual volumes, execute multiple operations | If you want to delete more than the maximum number of virtual volumes, execute multiple operations. |
| KAIC10526-E | An operation is not possible because the editing window is open or in the process of closing. Close the editing window, wait for the window to be refreshed, and then retry the operation. | Close the editing window, wait for the main window to be refreshed, and then retry the operation. |
| KAIC10527-E | Multiple virtual volumes are specified. Specify only one virtual volume. | Specify only one virtual volume. |
| KAIC10528-E | All LDEVs registered to a pool must have the same CLPR. | Revise the LDEV specification, and then retry the operation. |
| KAIC10551-E | The subsystem managed by the partitioned storage administrator cannot execute the operation. | Revise the subsystem settings. |
| KAIC10560-E | Two or more LDEVs are selected. Please select only one LDEV. | More than two LDEVs are selected. Please select only single LDEV. |
| KAIC10561-E | Select an LDEV for which you want to create a LUSE. | Select single LDEV for which you want to create a LUSE. |
| KAIC10562-E | The total LU size must be less than 60 TB. | Specify less than 60 TB for the total LU size. |
| KAIC10563-E | A command device LDEV cannot be specified for a LUSE. | Select an LDEV that is not a command device. |
| KAIC10564-E | An LDEV whose access attribute is guarded cannot be specified for a LUSE. | Select an LDEV whose access attribute is not guarded. |
| KAIC10565-E | An LDEV used as a Pool Volume cannot be specified for a LUSE. | Select an LDEV that is not a pool volume. |
| KAIC10566-E | An LDEV used as a Journal Volume cannot be specified for a LUSE. | Select an LDEV that is not a journal volume. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10567-E | An LDEV used as a <*PP name*> virtual volume cannot be specified for a LUSE. | Select an LDEV that is not a virtual volume. |
| KAIC10568-E | An LDEV used as a Pair Volume cannot be specified for a LUSE. | Select an LDEV that is not a pair volume. |
| KAIC10569-E | An LDEV assigned to a host storage domain whose host mode is "VMware" cannot be specified for a LUSE. | Select an LDEV that is assigned to a host storage domain whose host mode is not "VMware". |
| KAIC10570-E | An LDEV assigned to a host storage domain whose host mode is "Windows" cannot be specified for a LUSE. | Select an LDEV that is assigned to a host storage domain whose host mode is not "Windows". |
| KAIC10571-E | There are no LDEVs that can be used to make a LUSE. | Please select an LDEV that can be used to make a LUSE. |
| KAIC10572-E | Not all of the selected LDEV paths belong to the same storage subsystem. Select LDEV paths that belong to the same storage subsystem. | Select LDEV paths that belong to the same storage subsystem. |
| KAIC10573-W | As a result of this operation, data on volumes that do not have paths specified (volumes marked with "*" in the Object List) will be lost. Are you sure you want to continue? | Check the contents of the warning and check whether there is an error in the operation. |
| KAIC10574-E | Some of the selected LDEV paths are allocated to the same ports, HSD/iSCSI targets, or hosts. Check the ports, HSD/iSCSI targets, and hosts of these paths. | Check the ports, HSD/iSCSI targets, and hosts of these paths. |
| KAIC10575-E | The microcode version of this storage subsystem does not support LUSE operations on LDEVs that have paths specified. | Check the version of the software contained in the storage subsystem. |
| KAIC10576-E | Some of the selected LDEV paths are allocated to the same ports, WWN, or hosts. Check the ports, WWN, and hosts of these paths. | Check the ports, WWN, and hosts of these paths. |
| KAIC10577-W | Before performing this operation, check the settings of the host and host storage domain of the target path. The host might not recognize the expansion of the volume by this operation. | To perform this operation, check the restriction of the host OS and host storage domain of the target path.<br>For details, see the LUN Expansion manual that corresponds to your storage subsystem. |
| KAIC10601-E | The number of specified LDEVs exceeds (<*maximum-number-of-LDEVs*>), the maximum number that can be specified at once. If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times, specifying a valid number of LDEVs each time. | If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times, specifying a valid number of LDEVs each time. |
| KAIC10602-E | Use any of the following characters for a label: <*string*> | Enter only valid characters. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10603-E | Use no more than <*number*> characters for a label. | Enter no more than the allowed maximum number of characters. |
| KAIC10604-E | A filter condition that is not compatible with LDEVs has been restored. Change "Not applicable" displayed in the list box to a valid value. | Select a correct value from the list. |
| KAIC10607-W | Are you sure you want to add the label to the selected volume(s)? | Before continuing, make sure that you want to add the label to the selected volume(s). |
| KAIC10608-W | Are you sure you want to modify the labels for the selected volume(s)? | Before continuing, make sure that you want to modify the labels for the selected volume(s). |
| KAIC10609-W | Are you sure you want to delete the labels from the selected volume(s)? | Before continuing, make sure that you want to delete the labels from the selected volume(s). |
| KAIC10610-E | A selected LDEV was not found. Close this dialog box, and then retry the operation. | Close this dialog box, and then retry the operation. |
| KAIC10611-E | Tiered Storage Manager failed to invoke Device Manager. (info: <*info*>) | Contact the support center. |
| KAIC10612-E | Tiered Storage Manager sent an invalid request. (info: <*info*>) | |
| KAIC10613-E | Device Manager faild to invoke Tiered Storage Manager. (info: <*info*>) | |
| KAIC10614-E | The length of the value specified for the label is invalid. Specify a character string by using to 64 characters. | Enter the label in the correct format. |
| KAIC10615-E | The length of the value specified for the HSD/iSCSI Target is invalid. Specify a character string by using to 32 characters. | Enter the HSD/iSCSI Target in the correct format. |
| KAIC10616-W | The storage subsystem configuration information might have been updated. Refresh the storage subsystem. | Refresh the storage subsystem. If you do not refresh the storage subsystem, you might not be able to perform some operations on it. |
| KAIC10617-W | The storage subsystem configuration information might not be up-to-date. Check the status of the storage subsystem information. | Check the status of the storage subsystem. |
| KAIC10618-E | Device Manager access to DB is blocked. Problem is detected in <*Database name*>. Call server administrator. | Call server administrator. |
| KAIC10619-E | Available storage subsystems do not exist. | Please retry this action after adding a storage subsystem available for Host Scan. |
| KAIC10620-E | Software registration managed by the SMI-S provider might be invalid. | Revise the CIM_RemoteServiceAccessPoint class on the SMI-S provider, refresh the storage subsystem, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10621-E | The port number has not been specified. | Specify a valid port number. |
| KAIC10622-E | The password has not been specified. | Specify a valid password. |
| KAIC10623-W | The client.addstorage.block.per.storage property has not been specified in the client.properties file. The default value (true) will be used. | Specify a valid value for the client.addstorage.block.per.storage property in the client.properties file.<br>For details on this property, see the "*Configuration and Operation Guide*". |
| KAIC10624-W | The value "specified-value" specified for the client.addstorage.block.per.storage property in the client.properties file is invalid. The default value (true) will be used. | Specify a valid value for the client.addstorage.block.per.storage property in the client.properties file.<br>For details on this property, see the "*Configuration and Operation Guide*". |
| KAIC10625-I | The value "specified-value" has been specified for the client.addstorage.block.per.storage property in the client.properties file. | No action is required. |
| KAIC10626-E | This wizard, which is used for adding storage from a selected subsystem, is currently in use by another user. Wait for the user to finish, or for the user to cancel the processing. | Wait for the user to finish, or for the user to cancel the processing. |
| KAIC10627-E | All LDEVs registered in a pool must be of the same type. | Revise the LDEV specification, and then retry the operation. |
| KAIC10628-E | The port number is invalid. Specify a number from 1 to 65,535. | Specify a number from 1 to 65,535. |
| KAIC10629-E | All LDEVs registered in a pool must be of the same volume class (internal or external). | Revise the LDEV specification, and then retry the operation. |
| KAIC10630-E | An attempt to acquire the storage subsystem information has failed. | Click the [Refresh Tree] button, and then display the screen again. If this problem persists, contact customer support. |
| KAIC10631-E | The HSD/iSCSI target might have been deleted from the selected host/port. Choose a valid WWN/iSCSI name for the host/port. | Choose a valid WWN/iSCSI name for the host/port. |
| KAIC10633-E | The license that corresponds to the subsystem has not been registered. | Register the license in the dialog box for Device Manager License Information. |
| KAIC10634-E | The valid Full License is not registered in Device Manager. | Register the valid Full License in Device Manager. |
| KAIC10635-E | An invalid URL was detected. Confirm that the URL is correct. | Confirm that the URL is correct. |
| KAIC10637-E | {*number-of-hosts-selected*} hosts are selected. A maximum of {*specified-maximum*} hosts can be selected. | Select no more than <*set-maximum*> hosts. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10639-E | {*number of WWNs/iSCSI names selected*} WWNs/iSCSI names are selected. A maximum of {*specified-maximum*} WWNs/iSCSI names can be selected. | Select no more than <*specified-maximum*> WWNs/iSCSI names. |
| KAIC10640-E | There are no hosts available to be merged. | Register the hosts that you want to merge, and then retry the operation. |
| KAIC10641-W | The client.ldev.rowsperpage.retain.enabled property has not been specified in the client.properties file. The default value (true) will be used. | Specify a valid value for the client.ldev.rowsperpage.retain.enabled property in the client.properties file. For details on this property, see the *Hitachi Device Manager and Provisioning Manager Server Installation and Configuration Guide*. |
| KAIC10642-W | The value (<*specified-value*>) specified for the client.ldev.rowsperpage.retain.enabled property in the client.properties file is invalid. The default value (true) will be used. | Specify a valid value for the client.ldev.rowsperpage.retain.enabled property in the client.properties file. For details on this property, see the *Hitachi Device Manager and Provisioning Manager Server Installation and Configuration Guide*. |
| KAIC10643-I | The value (<*spedified-value*>) has been specified for the <*property-key*> property in the client.properties file. | No action is required. |
| KAIC10647-I | The capacity is currently within the licensed limit. | No action is required. |
| KAIC10650-W | The capacity has exceeded the licensed limit. | No action is required. |
| KAIC10651-E | An attempt to read properties in the <*property-file*> file has failed. The default value (<*default-value*>) for <*property-key*> will be used. | Confirm the following to make sure the application program can read the file:<br>▪ The file exists.<br>▪ You have permission to read the file.<br>▪ The file is not corrupted. |
| KAIC10652-W | An attempt to read properties in the <*property-file*> file has failed. The default value (<*default-value*>) for <*property-key*> will be used. | Confirm the following to make sure the application program can read the file:<br>▪ The file exists.<br>▪ You have permission to read the file.<br>▪ The file is not corrupted. |
| KAIC10657-E | A parameter for connecting to the specified storage subsystem (the IP address or the communication protocol) has been changed in Storage Navigator Modular 2. From Storage Navigator Modular 2, note the IP address and communication protocol, and then add the storage subsystem. | From Storage Navigator Modular 2, note the IP address and communication protocol of the specified storage subsystem. After that, from the [Add Subsystem] dialog box in Device Manager, specify the same IP address and communication protocol, and then add the subsystem. |
| KAIC10659-W | One or more host mode options supported by the storage subsystem could not be acquired. | Refresh the storage subsystem. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC10660-W | An operation was performed while the host was being updated.<br>The displayed information might not be the latest. | An operation might fail if it is executed on a host that is being updated. Wait until the update has finished, and then retry the operation. |
| KAIC10661-E | The host information might not be the latest. Check the status of the host. | Refresh the host, and then try again. If you do not refresh the host, you might not be able to execute operations on the host. |
| KAIC10662-E | An error occurred during a task. For details, see the error code and message below. Close the window, and then retry the operation. | For details, see the error code and message below. Close the window, and then retry the operation. |
| KAIC10663-E | The virtualization server or the virtualization-server management program could not be detected. The wrong IP address or protocol might have been specified, or the virtualization server or the virtualization-server management program might not be in a normal state. | Depending on the cause, take either or both of the following actions:<br>▪ Revise the IP address or protocol specification.<br>▪ Correct the state of the virtualization server or the virtualization-server management program. |
| KAIC10664-E | The format of the IP address is invalid. Enter an IP address in one of the following formats:<br>- xxx.xxx.xxx.xxx (where xxx is a decimal integer from 0 to 255)<br>- yyyy:yyyy:yyyy:yyyy:yyyy:yyyy:yyyy:yyyy (where yyyy is a hexadecimal integer from 0 to ffff). | Enter an IP address in one of the following formats:<br>- xxx.xxx.xxx.xxx (where xxx is a decimal integer from 0 to 255)<br>- yyyy:yyyy:yyyy:yyyy:yyyy:yyyy:yyyy:yyyy (where yyyy is a hexadecimal integer from 0 to ffff). |
| KAIC10665-E | The total LU size must be less than 128 TB. | Specify less than 128 TB for the total LU size. |
| KAIC10666-W | Some virtual machine names could not be displayed because information on some virtual machines could not be acquired. Check the status of the virtual machines. | Some virtual machine names could not be displayed because information on some virtual machines could not be acquired. Check the status of the virtual machines. |
| KAIC10667-E | An error occurred in the processing of the Storage Navigator Modular 2 session. (Process status code from *<Process status code0>* to *<Process status code1>*.) | Retry the operation.<br>If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAIC10668-E | The pool (pool ID: *pool number*) might not be in the Normal status. Threshold1 can be modified only when the pool is in the Normal status. Refresh the storage subsystem information, and then check the status of the pool. | Refresh the storage subsystem information, and then check the status of the pool. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC11999-E | Memory might be insufficient or a network error might have occurred.<br>(details: <*info*>) | If the details or log contains the character string "Out Of Memory", memory is insufficient. In this case, set the memory heap size for HBase Storage Mgmt Web Service.<br>If the details or log contains the character string "Connection", a network error might have occurred. In this case, check the network status.<br>If the problem is other than the above, contact the Support Center. |

# Device Manager Agent Messages

When an error occurs, Device Manager Agent produces one or more error messages. An error message consists of a message number, a level code indicating the severity of the error, and the error message text. Message numbers are grouped by error type. If you run Device Manager Agent in an English environment, some messages are output in English, using the same meaning and error codes as for Japanese messages.

Device Manager Agent messages are written to a secondary output device in the following format:

***revision-level / timestamp / message-text***

***revision-level*** indicates an internal revision number of the program. This information is required when an error is reported to the Hitachi Data Systems Support Center.

***timestamp***, although subject to the local time zone, is always in the same format in other respects. In other words, there are no locality-specific format differences in a timestamp.

***message-text*** begins with a message number followed by one of the following message levels indicating the severity:

- **I**: Non-error information
- **W**: Warning
- **E**: Error

Table 1-14 and Table 1-15 list the Hitachi Device Manager Agent error messages and provide the recommended action for resolving the error conditions. The error messages are listed in numerical order by error code.

**Table 1-14 KAIC20000-KAIC23999, KAIC25000-KAIC29999: Hitachi Device Manager Agent Errors**

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC21901-E | server.properties was not found. | The server.properties file does not exist.<br>Make sure that server.properties exists, and that it is well-formed. |
| KAIC21902-E | server.properties could not be read. | The server.properties file could not be read.<br>Make sure that server.properties exists, and then re-execute the operation as a user with Administrator permissions. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC21907-E | server.properties could not be saved. | An attempt to save the server.properties file has failed.<br>Make sure that the installation of Device Manager agent terminated correctly, and that the disk is not full. |
| KAIC21908-E | The configuration of HiScan event could not be saved. The registration command returned exit code {*code*}. | Attempt to save the configuration of the HiScan event has failed.<br>Check the system configuration. |
| KAIC21909-E | Too many arguments have been specified. | The hdvmagt_account command was executed with arguments.<br>Execute this command with no parameters. |
| KAIC21910-E | Unable to change server.properties because Add-On module is currently running. | The hdvmagt_account command was executed while an add-on module on a Device Manager agent was running.<br>After the add-on module processing finishes, re-execute the hdvamgt_account command. |
| KAIC22001-E | This usage is incorrect: {<*explanation* > <*summary of correct usage*>} | An attempt was made to execute HiScan with invalid parameters.<br>Execute HiScan with the correct parameters. |
| KAIC22002-E | DoScan: {*DoScan_Message*} | An error occurred while executing the HiScan command.<br>Respond as indicated in the message following DoScan:. |
| KAIC22003-E | DoScan: Disk drive not found on this host | An error occurred while executing the HiScan command.<br>Consult your system administrator. Ensure that all Hitachi or Sun disks are online. |
| KAIC22004-E | DoEmit: {*DoEmit_Message*} | An error occurred while executing the HiScan command.<br>Respond as indicated in the message following DoEmit:. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC22005-E | The output file could not be opened.({*Exception information*}) | An attempt to create a log file that was specified with the `-t` parameter has failed.<br>Ensure that the path used in the `-t` parameter exists, the filename is valid for this operating system, and that there is sufficient space on the disk. |
| KAIC22006-E | The IPAddress [{*IPAddress*}] could not be resolved. | An attempt to resolve the IP address of the Device Manager server has failed.<br>Make sure that the IP address of the Device Manager server is correct. |
| KAIC22007-E | The server socket could not be opened. ({*Exception information*}) | An attempt to communicate with the Device Manager server has failed.<br>Make sure that the Windows OS and TCP/IP protocol stack are correctly installed. |
| KAIC22008-E | A connection could not be established. | An attempt to communicate with the Device Manager server has failed.<br>Make sure that the `-s` parameter is specified correctly (both the server address and port number are correct), and the specified Device Manager server is active. |
| KAIC22009-E | An HTTP/XML message could not be sent. ({*Exception information*},Content-Length=*Transmission length*) | An attempt to communicate with the Device Manager server has failed.<br>Make sure that the network connection is operating reliably.<br>Make sure that the `server.http.entity.maxLength` property in the `server.properties` file of the Device Manager server is larger than Content-Length. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC22010-E | The server response could not be received. ({*Exception information*},Content-Length=*Transmission length*) | There was no response from the Device Manager server. The Device Manager server is probably not working correctly.<br>Make sure that the value of the -s parameter indicates a Device Manager server, and not another network server type.<br>Make sure that the network connection is operating reliably.<br>Make sure that the server.http.entity.maxLength property in the server.properties file of the Device Manager server is larger than Content-Length. |
| KAIC22011-E | A connection to the Device Manager server was established, but no response was detected. ({*Exception information*},Content-Length=*Transmission length*) | |
| KAIC22012-E | The correct response header could not be acquired: HTTP/1.0. Received:({*Received contents*}) | Make sure that the value of IP Address of the Device Manager server specified in -s parameter or server.server.serverIPAddress property is correct, and the port of the Device Manager server specified in -s parameter or server.server.serverPort property is correct (It is corresponding to server.server.serverPort property of the Device Manager server), the Device Manager server works normally, and the network is normal. |
| KAIC22013-E | The status code of the HTTP response is not "OK": ({*Response contents*}) | An attempt to communicate with the Device Manager server has failed.<br>The *details* portion of this message should indicate the nature of the problem. This kind of condition may be due to an invalid combination of -u *userid* and -p *password* parameters. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC22014-E | HiScan could not connect to Device Manager server because of a connection timeout. | Communication with the Device Manager server terminated because of a timeout monitored by Device Manager agent.<br>Revise the `server.http.server.timeOut` value in the Device Manager agent properties.<br>Make sure that the `server.http.entity.maxLength` property in the `server.properties` file of the Device Manager server is larger than Content-Length. |
| KAIC22018-E | Information about the installed plugin could not be acquired.({*Exception information*}) | The installation status is incorrect.<br>The installation of Device Manager agent or Dynamic Link Manager may have terminated abnormally. Consult your system administrator. |
| KAIC22019-E | The "hldutil" response timeout. | An abnormal situation may have occurred during execution of the `hldutil` command, or a timeout may have occurred in the `hldutil` command due to an excessive number of LUs.<br>Make sure that the host is detecting LUs correctly. If necessary, revise the value of `server.util.processTimeOut` property.<br>If the problem cannot be resolved, consult your system administrator. |
| KAIC22020-E | The executable program "hldutil" does not exist.({*Exception information*}) | An attempt to execute the `hldutil` command has failed.<br>The installation of Device Manager agent may have terminated abnormally. Consult your system administrator. |
| KAIC22047-E | An attempt to authenticate a user ID and password has failed. : {*status code*} | The specified user ID and password are invalid.<br>Execute the `hdvmagt_account` command to check the user ID and password. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC22048-E | The data in the request was rejected because the data is too large. : {*status code*} | The Device Manager server's processing capacity was exceeded because the data in the request is too large.<br>Revise the value of the Device Manager server property server.http.entity.maxLength. |
| KAIC22049-E | The value of an argument in the specified option is invalid. : {*option*} | The character that cannot be used for the argument of the option is specified.<br>Specify the character string that can be used for the argument of the option. |
| KAIC22050-E | A site-local address or link-local address cannot be specified. ({address}) | A site-local address or link-local address is specified in an option. To use IPv6 addresses, you must specify a global address. |
| KAIC22051-E | An attempt to resolve the host IP address failed. | Check, and if necessary, revise the value set for server.http.socket.agentAddress in server.properties.<br>If this error occurs repeatedly, contact the Support Center. |
| KAIC22401-W | The command prompt was not started by the administrator.<br>Although processing is executing properly, the started command prompt will be closed after processing ends. | Execute this command as the administrator. |
| KAIC22801-I | The HiScan command will now start to send an XML document to the Device Manager server at {*IP-ADDRESS*}:{*PORT-NUMBER*}(Content-Length=*Transmission length*) | No additional action is required. |
| KAIC22802-I | The HiScan command has finished sending an XML document to the Device Manager server at {*IP-ADDRESS*}:{*PORT-NUMBER*} | |
| KAIC22803-I | The HiScan command is receiving an XML document from the Device Manager server at { *IP-ADDRESS* }:{ *PORT-NUMBER* } | |
| KAIC22804-I | The HiScan command has finished receiving an XML document from the Device Manager server at {*IP-ADDRESS*}:{*PORT-NUMBER*} | |
| KAIC22805-I | The HiScan command will now start to acquire HostVolume information. | |
| KAIC22806-I | The HiScan command has finished acquiring HostVolume information. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25105-W | You can not select this destination folder. Recommended folder is under "Program Files (x86)". | You have specified "Program Files" folder to install Device Manager agent when you try to install it to the IA64 platform.<br>Please install it under "Program File (x86)" folder as far as possible. |
| KAIC25107-W | You cannot cancel this installation operation: [*type of installation*] | No additional action is required. |
| KAIC25111-W | (Windows)<br>The Device Manager agent installation has been suspended due to requests received from a management server.<br>Please wait a moment and then click Retry to attempt the installation again, or click Cancel to end the Device Manager agent installation.<br>(UNIX)<br>The Device Manager agent installation has been suspended due to requests received from a management server.<br>Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation. | The installation was canceled because the Device Manager agent was being accessed from outside.<br>Wait a while, and then retry the installation. If you want to immediately stop the Device Manager agent, see the explanation of the hbsasrv command in the Device Manager agent manual. |
| KAIC25112-W | (Windows)<br>The Device Manager agent installation has been suspended due to the execution of the one of the following commands:<br>(hbsasrv, hdvmagt_account, hdvmagt_schedule, hdvmagt_setting, TIC, hldutil).<br>Please wait a moment and then click Retry to attempt the installation again, or click Cancel to end the Device Manager agent installation.<br>(UNIX)<br>The Device Manager agent installation has been suspended due to the execution of the one of the following commands:<br>(hbsasrv, hdvmagt_account, hdvmagt_schedule, hdvmagt_setting, TIC, hldutil).<br>Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation. | The installation was canceled because the Device Manager agent command is executing. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25113-W | (Windows)<br>The Device Manager agent installation has been suspended because the HiScan command is executing.<br>Please wait a moment and click Retry to attempt the installation again, or click Cancel to end the Device Manager agent installation.<br>(UNIX)<br>The Device Manager agent installation has been suspended because the HiScan command is executing.<br>Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation. | The installation was canceled because the HiScan command is executing. |
| KAIC25115-W | (Windows)<br>The Device Manager agent uninstallation has been suspended due to requests received from a management server.<br>Please wait a moment and then click Retry to attempt the uninstallation again, or click Cancel to end the Device Manager agent uninstallation.<br>(UNIX)<br>The Device Manager agent uninstallation has been suspended due to requests received from a management server.<br>Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation. | The uninstallation was canceled because the Device Manager agent was being accessed from outside.<br>Wait a while, and then retry the uninstallation. If you want to immediately stop the Device Manager agent, see the explanation of the hbsasrv command in the Device Manager agent manual. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25116-W | (Windows)<br>The Device Manager agent uninstallation has been suspended because one of the following commands is executing:<br>(hbsasrv, hdvmagt_account, hdvmagt_schedule, hdvmagt_setting, TIC, hldutil)<br>Please wait a moment and then click Retry to attempt the uninstallation again, or click Cancel to end the Device Manager agent uninstallation.<br>(UNIX)<br>The Device Manager agent uninstallation has been suspended because one of the following commands is executing:<br>(hbsasrv, hdvmagt_account, hdvmagt_schedule, hdvmagt_setting, TIC, hldutil)<br>Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation. | The uninstallation was canceled because the Device Manager agent command is executing.<br>Wait a while, then retry the uninstallation. |
| KAIC25117-W | (Windows)<br>The Device Manager agent uninstallation has been suspended because the HiScan command is executing.<br>Please wait a moment and then click Retry to attempt the uninstallation again, or click Cancel to end the Device Manager agent uninstallation.<br>(UNIX)<br>The Device Manager agent uninstallation has been suspended because the HiScan command is executing.<br>Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation. | The uninstallation was canceled because the HiScan command is executing.<br>Wait a while, and then retry the uninstallation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25120-W | User account authentication has failed. Revise the user account information. | Possible causes are as follows:<br>▪ The specified user account (user ID) does not exist.<br>▪ The password for the user account was specified incorrectly.<br>Check the following points, and then click the [Next] button in the Setting Up the Agent Service Account window:<br>▪ Make sure that the specified user account exists.<br>▪ Make sure that the password for the user account is specified correctly. |
| KAIC25121-W | The specified user account does not have Administrators permissions. Revise the user account information. | The specified user account does not have Administrators permissions.<br>Make sure that the user performing the installation has Administrators permissions, and then click the [Next] button in the Setting Up the Agent Service Account window. |
| KAIC25122-W | The specified user account does not have the User Rights Assignment setting "Log on as a service". Make sure the user account has this setting. | The User Rights Assignment setting "Log on as a service" has not been specified for the specified user account.<br>Make sure that the User Rights Assignment setting "Log on as a service" has been specified for the user performing the installation, and then again click the [Next] button in the Setting Up the Agent Service Account window. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25123-W | An error occurred during setup of the agent service account. | An unexpected error occurred during user account authentication.<br>In the Setting Up the Agent Service Account window, click the [Next] button again.<br>If you cannot resolve the problem, do not set up the agent service account (select [NO] in the Setting Up the Agent Service Account window), and then click the [Next] button in that window.<br>After the installation, open the Services window from [Administrative Tools], and then change the account for [HBsA Service]. |
| KAIC25156-E | Installation FAILED. Please execute setup.exe to install Device Manager agent. | Install Device Manager agent to execute the setup.exe. |
| KAIC25157-E | There is not enough free disk space for installation. Make sure that there is enough free space on the system drive and installation drive.<br>Installation will now stop. | Make sure that there is enough free space, and then try installing again. |
| KAIC25163-E | A newer version of Device Manager agent is already installed on this system. You cannot downgrade Device Manager agent. | No additional action is required. |
| KAIC25172-E | Installation or uninstallation was stopped because an error occurred in the JVM. | A prerequisite patch might not have been applied.<br>Alternatively, if you are using Unix, the Java information in the properties file used by the Device Manager agent might not be valid.<br>▪ Make sure that all prerequisite patches have been applied.For details on the prerequisite patches, see the Device Manager agent manual.<br>▪ If you are using Unix, make sure the Java information specified in the properties file used by the Device Manager agent is valid.<br>If the Java information is invalid, specify the correct Java information in the properties file, and then reinstall the Device Manager agent.For details on the properties file, see the Device Manager agent manual. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25173-E | Program aborted. Wait a while, and restart this procedure. | The installation or uninstallation was executed while the Device Manager agent was running.<br>Wait a while, and then re-execute. |
| KAIC25174-E | This environment is a non-global zone. Installation in a non-global zone is not supported. | Please execute the installation in a global zone. |
| KAIC25176-E | An unexpected error occurred during setup processing of the Device Manager agent. | The setup program could not be executed.<br>Collect maintenance information and contact the Support Center. |
| KAIC25177-E | An illegal option is specified. {*specified option*} | An invalid option is specified in the installation command or uninstallation command.<br>Check the syntax, specify the option correctly, and then execute the installation command or uninstallation command again. |
| KAIC25178-E | The mistake is found in the number of arguments. {*specified number*} | The number of arguments in the installation command or uninstallation command is invalid.<br>Check the syntax, specify the arguments correctly, and then execute the installation command or uninstallation command again. |
| KAIC25179-E | The installation path of the Device Manager agent cannot be acquired. | An attempt to acquire the installation path of the Device Manager agent has failed.<br>Collect maintenance information and contact the Support Center. |
| KAIC25180-E | It failed in the installation of add-on module. {*add-on module name*} | An unexpected error occurred during installation of the add-on module.<br>Collect maintenance information and contact the Support Center. |
| KAIC25181-E | It failed in the installation of Protection Manager. | An attempt to copy the Protection Manager files has failed.<br>Execute hptmguiinst.exe or hptmguiinst.sh, and then take action based on the output error message. |
| KAIC25183-E | The user is not the root user. | Perform the installation as the root user. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25184-E | A file required for installation of the Device Manager agent is missing. | A file required for the installation is missing.<br>Make sure that all files required for the installation exist. |
| KAIC25185-E | No usable JDK or JRE exists. Install a JDK or JRE, and then retry the operation. | No prerequisite Java version is installed in the system.<br>Install a prerequisite Java version, and then retry the operation. |
| KAIC25186-E | Your user group permissions are not Administrators permissions. | Perform installation as a user who has Administrators permissions. |
| KAIC25188-E | A fatal error occurred during the installation of the Device Manager agent. Installation will now stop. | Possible causes are as follows:<br>▪ Installation files of the Device Manager agent could not be copied to a working directory.<br>▪ Installation files of the Device Manager agent could not be deleted from a working directory<br>▪ Collect maintenance information, and then contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25189-E | Installation of the Device Manager agent has FAILED. | Installation of the Device Manager agent has failed. Possible causes include the following:<br>▪ Installation information of a past Device Manager agent or of a past Dynamic Link Manager still remains.<br>▪ There is not enough space at the specified installation destination.<br>Check the following and, if necessary, carry out the recommended action. Then try to install the Device Manager agent again. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>▪ HBase Agent is displayed twice in the Add or Remove Programs window on a computer where the Device Manager agent or Dynamic Link Manager is installed. Alternatively, HBase Agent is displayed in the Add or Remove Programs window on a computer where both the Device Manager agent and Dynamic Link Manager have been uninstalled. In either of the above cases, execute the hbsa_util command, and then delete the Device Manager agent registry and files. For details on this command, see the Device Manager agent manual.<br>▪ Make sure that there is enough free space on the disk where the Device Manager agent is to be installed. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25190-E | Installation of the Device Manager agent was completed, but the setup of the Device Manager agent or a related program has FAILED.<br>If you want to use the related program for which setup did not finish, reinstall the Device Manager agent.<br>If you will not use the related program for which setup did not finish, no additional action is required. | Possible causes are as follows:<br>▪ Setup of the Device Manager agent failed.<br>▪ Setup of the Protection Manager linkage function failed.<br>▪ Setup of the Dynamic Link Manager linkage function failed.<br>▪ Setup of the account information for the Device Manager agent service (HBsA Service) failed.<br>▪ Installation of the Global Link Manager agent failed.<br>If you want to use the related program for which setup did not finish, reinstall the Device Manager agent.<br>If you will not use the related program for which setup did not finish, no additional action is required. |
| KAIC25193-E | The execute permission for the installation files could not be changed. | The execute permission for the installation files could not be changed.<br>Put the installation files into a directory that can be written to. |
| KAIC25194-E | An attempt to open the '*HDVMAgent_conf file name*' file has FAILED. | An attempt to open the '*HDVMAgent_conf file name*' file has failed.<br>The HDVMAgent.conf file was not found in the directory that contains the installer. Make sure that the file is there, and then try to install the Device Manager Agent again. |
| KAIC25197-E | The format of line %d in the '*HDVMAgent_conf file name*' is invalid. | The format of the HDVMAgent.conf file is invalid.<br>The HDVMAgent.conf file might be corrupted. Check the file, and then try to install the Device Manager Agent again. |
| KAIC25198-E | A property in the '*HDVMAgent_conf file name*' has been incorrectly specified(line %d). | A property in the HDVMAgent.conf file has been incorrectly specified(line %d).<br>The HDVMAgent.conf file might be corrupted. Check the file, and then try to install the Device Manager Agent again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC25208-E | Setup of the Device Manager agent has FAILED. | The setup program could not be executed.<br>Follow the instructions in the following messages: KAIC25029-I, KAIC25033-I. |
| KAIC28201-W | The IP address could not be resolved from the specified hostname. | ▪ Make sure that the entered value is correct.<br>▪ Make sure that the hostname is defined in the hosts file.<br>▪ To specify an IPv6 address, server.agent.JRE.location must be specified. Make sure that the specified value is correct. |
| KAIC28202-W | Access to the server has failed. (detail = "Verify network connectivity and that the Device Manager server is running") | ▪ Make sure that the entered value is correct.<br>▪ Check the firewall settings on the machines on both the host side and the server side.<br>▪ If a firewall is configured between the host and the server, make sure that the settings are correct.<br>▪ If you want to install the Device Manager server later, click **No** in the confirmation window, and then continue setup.<br>▪ To specify an IPv6 address, server.agent.JRE.location must be specified. Make sure that the specified value is correct. |
| KAIC28203-W | Access to the server has failed. (detail = "Unauthorized user ID or password is invalid") | Make sure that the entered value is correct. |
| KAIC28204-W | Access to the server has failed. (details = "A normal response could not be recieved from the Device Manager server.") | ▪ Make sure that the entered value is correct.<br>▪ To specify an IPv6 address, server.agent.JRE.location must be specified. Make sure that the specified value is correct.<br>▪ Check the status of the Device Manager server. If the server is in the process of starting, wait a while, and then retry the operation.<br>If the problem cannot be solved, collect maintenance information and contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC28205-W | (Windows)<br>RAID Manager is not installed on the selected drive. (specified drive: \HORCM)<br>(UNIX)<br>RAID Manager is not installed in the selected directory. | If you want to install RAID Manager later, click [**NO**] in the confirmation window, and then continue setup.<br>(Windows)<br>Make sure that RAID Manager is installed on the specified drive.<br>(UNIX)<br>Make sure that RAID Manager is installed in the specified directory. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC28305-E | The specified IP address or hostname is invalid. | Enter a valid value. |
| KAIC28306-E | The specified port number is invalid. | |
| KAIC28307-E | The specified User ID is invalid. | |
| KAIC28308-E | The specified password is invalid. | |
| KAIC28309-E | The IP address or hostname contains invalid characters.<br>Check the value and enter again. Refer to the Device Manager agent manual for characters you can use. | |
| KAIC28310-E | The user ID contains invalid characters.<br>Check the value and enter again. Refer to the Device Manager agent manual for characters you can use. | |
| KAIC28311-E | The password contains invalid characters.<br>Check the value and enter again. Refer to the Device Manager agent manual for characters you can use. | |
| KAIC28312-E | An unexpected error occurred when the Device Manager server information was being specified.<br>The server information cannot be specified. | Collect maintenance information and contact the Support Center. |
| KAIC28313-E | An I/O error occurred when the Device Manager server information was being specified.<br>The server information cannot be specified. | ▪ Make sure that the server.properties file exists, and you have write permissions for the file.<br>▪ Make sure that there is enough free space on the disk. |
| KAIC28314-E | An unexpected error occurred when the execution period of the HiScan command was being specified.<br>The execution period of the HiScan command cannot be specified. | Collect maintenance information and contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC28315-E | An I/O error occurred when the execution period of the HiScan command was being specified.<br>The execution period of the HiScan command cannot be specified. | ▪ Make sure that the directories shown below exist, and you have write permissions for the files.<br>Windows:<br>*Device-Manager-agent-installation-directory*\mod\hdvm\config<br>UNIX platforms except AIX:<br>/opt/HDVM/HBaseAgent/mod/hdvm/config<br>AIX:<br>/usr/HDVM/HBaseAgent/mod/hdvm/config<br>▪ Make sure that there is enough free space on the disk.<br>▪ Make sure that the crontab or at command can be used. |
| KAIC28316-E | An unexpected error occurred when RAID Manager settings were being specified.<br>These RAID Manager settings cannot be specified. | Collect maintenance information and contact the Support Center. |
| KAIC28317-E | An I/O error occurred when RAID Manager settings were being specified.<br>These RAID Manager settings cannot be specified. | ▪ Make sure that the server.properties file exists, and that you have write permissions for the file.<br>▪ Make sure that there is enough free space on the disk. |
| KAIC28318-E | A fatal error occurred during the setup processing of the Device Manager agent.<br>Setup processing has stopped. | Collect maintenance information and contact the Support Center. |
| KAIC28319-E | A site-local address or link-local address is specified for the IP address. To use IPv6 addresses, you must specify a global address. | Please specify a global address. |
| KAIC28353-E | Setup processing has stopped because the Add-On module is currently running. | Wait a while, then retry the operation. |
| KAIC28615-W | The host does not recognize the defined command device. | ▪ Make sure that the description of the command device is correct.<br>▪ Make sure that the connection status between the host and the storage subsystem is correct. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC28616-W | No command device recognized by the host is defined. | ▪ Add the specified command device to the properties file.<br>▪ Update the file perf_cmddev.properties by using the following command: perf_findcmdev write |
| KAIC28804-E | No command device is defined in the configuration file. | Define the command devices by using the perf_findcmddev command. |
| KAIC28805-E | An I/O error occurred while reading the configuration file. | An I/O error occurred while reading the perf_cmddev.properties file.<br>Make sure of the following:<br>▪ The perf_cmddev.properties file exists.<br>▪ The perf_cmddev.properties file is readable.<br>If the perf_cmddev.properties file does not exist, create the file by using the perf_findcmddev command. |
| KAIC28807-E | The processing was interrupted because no handle could be acquired from RMLIB. | The RMILIB API became unusable during request processing.<br>If the problem occurs frequently, collect maintenance information and contact the support center. |
| KAIC28809-E | The file perf_cmddev.properties was not found. | Make sure that the file perf_cmddev.properties exists and is valid. |
| KAIC28810-E | An I/O error occurred. <filename> (Error details: errno = error-code, msg = error-message) | ▪ Make sure that the file perf_cmddev.properties exists and is not write-protected.<br>▪ Make sure that there is enough free space on the disk.<br>▪ Make sure that the directory to which the file will be written exists. |

## Table 1-15 KAIE00000-KAIE69999: Agent Errors (used by all Hitachi Storage Command Suite products)

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIE10401-E | A serious error was detected during one of the following processes:<br>▪ Installation or uninstallation<br>▪ Addon-module loading<br>▪ Request reception<br>There might be a memory shortage or an internal error. | Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE10403-E | An error occurred when loading a module. There might be a memory shortage or an internal error. | |
| KAIE10404-E | An I/O error occurred.<br>An attempt to access the following files has failed:<br>▪ *Device Manager agent-installation-directory*/agent/mod/*<br>▪ *Device Manager agent-installation-directory*/agent/mod/*/var<br>The service might not have permission to access these files or directories. | Make sure that the user who is executing the service has permission to access these files or directories. If the user does not have permission, grant permission, or change to a user who has permission. |
| KAIE10502-E | The environment is invalid. An attempt to read the product information file (*Device Manager agent-installation-directory*/etc/amc_iid) has failed. The installation might not have finished correctly. | Re-install. If this does not resolve the problem collect maintenance information and contact the Support Center. |
| KAIE10602-E | The environment is invalid. | For appropriate action, see the past operating log message containing details about the problem. |
| KAIE10606-E | An I/O error occurred. An attempt to generate the product information file (*Device Manager agent-installation-directory*/etc/amc_iid) has failed. The installation might not have finished correctly. | Re-install. If this does not resolve the problem collect maintenance information and contact the Support Center. |
| KAIE10610-E | An attempt to uninstall failed. The module has been used. | Re-uninstall after a while. |
| KAIE16002-I | The detail of the error information is output. | For appropriate action, see the content of exception information. |
| KAIE16605-I | There are no registered add-on modules or there are no usable registered add-on modules. | No additional action is required. |
| KAIE16606-I | The specified add-on module is not registered, or it is registered but is currently disabled. | When using a specified add-on module, make sure that the specified add-on module is installed and is supported on this platform. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIE20001-E | A serious error was detected during one of the following processes:<br>▪ Addon-module loading<br>▪ Request reception<br>There might be a memory shortage or an internal error. | Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE20002-E | A serious error was detected during service execution. There might be a memory shortage or an internal error. | |
| KAIE20101-E | An unexpected error occurred during processing of the request. There might be a memory shortage or an internal error. | Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE20102-E | A serious error was detected during service execution. There might be a memory shortage or an internal error. | |
| KAIE20303-E | A serious error was detected during service execution. There might be a network error or a memory shortage. | Make sure that there are no network errors or memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE20402-E | An unexpected error occurred during HTTP connection processing. There might be a network error or a memory shortage. | |
| KAIE20403-E | An I/O error occurred while communicating with the remote host. The remote host might have severed the connection, or there might be a network error or memory shortage. | If it was not a normal disconnection by the remote host, make sure that there are no network errors or memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE20601-E | An unexpected error occurred during processing of the service request. There might be a memory shortage or an internal error. | Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE20701-E | An error occurred while creating the log output destination directory. The service might not have write permissions for the following directory:<br>*Device Manager agent-installation-directory/agent* | Make sure that the user who is executing the service has permission to access these files or directories. If the user does not have permission, grant permission, or change to a user who has permission. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIE20702-E | An error occurred while creating the log output destination directory. A file which has the same name (*Device Manager agent-installation-directory*/agent/logs) already exists. | Delete the file which has the same name as the directory. |
| KAIE20703-E | The log output destination directory (*Device Manager agent-installation-directory*/agent/logs) is read-only. | Make the log output destination directory writable. |
| KAIE20704-E | An attempt to access the log property file (*Device Manager agent-installation-directory*/agent/config/logger.properties) has failed. Possible causes are:<br>▪ The file does not exist.<br>▪ The user has the file open.<br>▪ The user lacks access permissions.<br>▪ The settings are invalid. | ▪ Make sure that the logger.properties file exists.<br>▪ If the logger.properties file is open, close it.<br>▪ Grant access permissions for the logger.properties file, or change to a user who has access permissions and restart the service.<br>▪ Check the settings of the logger.properties file. If they are invalid, correct them. |
| KAIE20705-E | The log output file cannot be created. A directory which has the same name as a log output file (below) exists in the log output destination directory.<br>▪ *Device Manager agent-installation-directory*/agent/logs/trace.log<br>▪ *Device Manager agent-installation-directory*/agent/logs/access.log<br>▪ *Device Manager agent-installation-directory*/agent/logs/error.log<br>▪ *Device Manager agent-installation-directory*/agent/logs/service.log | Delete the directory which has the same name as the log output file. |
| KAIE20706-E | One of the following log output files is not writable because the user who is executing the service does not have write permissions for that file:<br>▪ *Device Manager agent-installation-directory*/agent/logs/trace.log<br>▪ *Device Manager agent-installation-directory*/agent/logs/access.log<br>▪ *Device Manager agent-installation-directory*/agent/logs/error.log<br>▪ *Device Manager agent-installation-directory*/agent/logs/service.log | Grant write permissions for the log output file, or change to a user who has write permissions and restart the service. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIE20707-E | There is an error in the settings of the property file (server.properties). | Check each value of the server.properties property and correct them if necessary. |
| KAIE20901-E | An unrecoverable error occurred in the service execution process. There might be a memory shortage or an internal error. | ▪ If the following properties are specified in the properties file, revise the specification:<br>server.http.socket.agentAddress<br>server.http.socket.bindAddress<br>▪ Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE20902-E | A network error occurred while waiting for a connection. There might be a network error or a memory shortage. | Make sure that there are no network errors or memory shortages. If the problem occurs frequently, collect maintenance information and contact the Support Center. |
| KAIE20903-E | An unexpected error occurred in the service execution process. There might be a memory shortage or an internal error. | Make sure that there are no network errors or memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE20904-E | An error occurred during shutdown of the service execution process. | Make sure that there are no network errors or memory shortages. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE21701-W | The value for the property logger.MaxBackupIndex in logger.properties is outside the range from 1 to 20, or it is not a number. | Correct the value for logger.MaxBackupIndex, then restart the service. |
| KAIE21702-W | The value for the property logger.MaxFileSize in logger.properties is outside the range from 512 KB to 32 MB, or it is not a number. | Correct the value for logger.MaxFileSize, then restart the service. |
| KAIE21703-W | There is an error in the settings of the property file (server.properties). | Check each value of the server.properties property and correct them if necessary. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIE30101-E | A serious error was detected during service execution. There might be a memory shortage or an internal error. | Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE30201-E | A serious error was detected during service execution. There might be a memory shortage or an internal error. | |
| KAIE30504-E | An unexpected error occurred during execution of the service control process stop command. There might be a memory shortage or an internal error. | Make sure that there are no memory shortages, and then retry a forced termination of the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE30505-E | The service execution process could not start because the environment is invalid. | For details on the appropriate action, see the preceding message that gives details about the problem. |
| KAIE30506-E | The service execution process detected an unexpected error. There might be a memory shortage or an internal error. | Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the Support Center. |
| KAIE30507-E | A communication error occurred during the execution of "hbsasrv stop". Possible causes are:<br>▪ The service control process cannot receive commands because of a problem such as a system resource shortage.<br>▪ The service control process is not working correctly. | Re-execute "hbsasrv stop".<br>If the above actions do not resolve the problem, collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIE60607-E | Processing has stopped because the current user is different from the previous installer. | Processing can no longer continue because the current user ID is different than the user ID who last installed Dynamic Link Manager or Device Manage agent.<br>Follow steps 1-3 of the procedure written below. If this problem persists, contact the Support Center.<br>1. If Dynamic Link Manager 5.8.0-00 to earlier than 5.9.4-00 has been installed:Retry as the same user ID who previously installed Dynamic Link Manager.<br>2. If Device Manager agent 5.0.0-00 to earlier than 5.9.0-00 has been installed:Retry as the same user ID who previously installed Device Manager agent.<br>3. In situations other than the above:First retry installation as the user ID who previously installed Dynamic Link Manager 5.8.0-00 to earlier than 5.9.4-00 and Device Manager agent 5.0.0-00 to earlier than 5.9.0-00. |
| KAIE62001-I | HBsA Service is already running. | Only one instance of HBsA Service can run on a system at any given time. |
| KAIE62601-E | Permission of HBsA Service was denied. | A user without Administrator permissions executed the command. Execute this command as a user with Administrator permissions. |
| KAIE62602-E | The directory structure is invalid. | Device Manager agent was not installed correctly. Make sure that installation of Device Manager agent was performed correctly. |
| KAIE62604-E | Unable to stop HBsA Service because Add-On module is currently running. | Wait a while, and then retry the operation. For details on how to stop the service, see the explanation of the hbsasrv command. |
| KAIE62605-E | The connection error of HBsA Service has occurred. | Make sure that the TCP/IP environment on the host is normal. To do this, use the standard OS commands for network monitoring (such as netstat or ping.).<br>If there is no problem, restart the system and then re-install the program. If the problem persists, collect the maintenance information and contact the Support Center. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KAIE62606-E | An error occurred while starting HBsA Service. | Re-install the program. If the problem persists, collect the maintenance information and contact the Support Center. |
| KAIE62607-E | The HBsA service could not start normally. | Make sure that the prerequisite patches have been applied, and then re-install the program. |
| KAIE62608-E | The Java path is invalid. [{*path*}] | Revise the value specified for server.agent.JRE.location in server.properties, and then retry the operation. |
| KAIE62638-E | The value specified for server.agent.maxMemorySize in the server.properties file is not numeric. | Correct the value for server.agent.maxMemorySize, and then restart the HBsA service. |
| KAIE62639-E | The value specified for server.agent.maxMemorySize in the server.properties file is outside the valid range. | |
| KAIE65601-E | The command was executed by a user other than the administrator. Execute this command as the administrator. | Execute this command as the administrator. |

# Device Manager Agent's Provisioning Manager Messages

This section describes the messages output by the Provisioning Manager support functionality of the Device Manager agent and the actions to take in response to these messages.

Table 1-16 lists the error messages related to the Provisioning Manager support functionality of the Device manager agent, and provides recommended actions sfor resolving the error conditions. The error messages are listed in numerical order by error code. For details on the Provisioning Manager messages (error codes starting with KARF) that are not listed in Table 1-16, see the Provisioning Manager message manual.

**Table 1-16 Device Manager Agent's Provisioning Manager Messages**

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF62001-E | The specified volume manager type is not supported. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62002-E | The specified device file does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62003-E | The specified device file is not mounted. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62004-E | A file or directory (folder) exists in the specified mount point directory. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated, or the requested operation is invalid in the host's system configuration.<br>*Action:*<br>Refresh the host information, and then retry the operation. Alternatively, depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF62007-E | The specified device file is already being used. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62008-E | A mount point exists in the specified mount point. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated, or the requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF62010-E | The specified extension size is invalid. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated, or processing might have been performed for the same resource.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62011-E | The specified logical volume does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62012-E | The specified mount point is already in use. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated, or the requested operation is invalid in the host's system configuration.<br>*Action:*<br>Refresh the host information, and then retry the operation. Alternatively, depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF62014-E | The specified mount point does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62015-E | The specified mount point is a file. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62018-E | A mount point cannot be created. | *Cause:*<br>The directory specified as the mount point might be in one of the following states:<br>A file that has the same name as the specified directory exists.<br>The specified directory already exists and a file exists under that directory.<br>The specified directory already exists and that directory is mounted.<br>*Action:*<br>Update the host information. Search for and delete the device files that were generated while the file system was being added, remove the cause of the error, and then retry the operation to add the file system. |
| KARF62023-E | The logical volume name is invalid. | *Cause:*<br>The request was made with an invalid value.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF62024-E | A process using the specified file system exists. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF62025-E | 2 or more logical volumes are on the specified disk. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF62026-E | A file system that has multiple device files mounted cannot be modified or deleted. | *Cause:*<br>Multiple device files have been mounted on the specified mount point.<br>*Action:*<br>Check the host status, revise the mount setting to the specified mount point, and then retry the operation. |
| KARF62027-E | There is a snapshot volume for the specified logical volume. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. The operation cannot be executed because there is a snapshot volume for the specified logical volume.<br>*Action:*<br>Refresh the host information. |
| KARF62028-E | The specified logical volume is a snapshot. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. The operation cannot be executed because the specified logical volume is a snapshot.<br>*Action:*<br>Refresh the host information. |
| KARF62029-E | A file system that has been mounted on multiple mount points cannot be modified or deleted. | *Cause:*<br>There are mount points, other than the specified mount point, that the same device file has been mounted on.<br>*Action:*<br>Check the host status, revise the mount setting to the specified mount point, and then retry the operation. |
| KARF63002-E | The specified logical volume does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF63003-E | The specified physical volume does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64001-E | A logical volume already exists on the specified physical volume. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64003-E | Logical volumes or physical volumes exist in the specified volume group. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated, or there is an unnecessary logical volume or physical volume in the specified volume group.<br>*Action:*<br>No action is required because recovery is performed internally in Provisioning Manager. |
| KARF64004-E | A mount point exists on the specified drive. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64005-I | The logical volume name will be handled as '*'. | *Cause:*<br>-<br>*Action:*<br>No action is required. |
| KARF64006-E | The physical volume name is invalid. | *Cause:*<br>The request was made with an invalid value.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF64007-E | The specified logical volume already exists. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>No action is required because recovery is performed internally in Provisioning Manager. |
| KARF64008-E | The specified logical volume does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64009-E | The specified logical volume size is invalid. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64010-E | The specified physical volume is already in use. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. Or the requested operation is invalid to a host's system configuration.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64011-E | The specified physical volume does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64012-E | The specified volume group already exists. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated, or the requested operation is invalid in the host's system configuration.<br>*Action:*<br>No action is required because recovery is performed internally in Provisioning Manager. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF64013-E | The specified volume group does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64014-E | A logical volume cannot be created on the specified device file. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. Or the device may not be correctly recognized on the host.<br>*Action:*<br>Refresh the host information, and then retry the operation. Alternatively, depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF64015-E | The information relating to the volume group cannot be acquired. | *Cause:*<br>The host's application (VxVM) settings are incorrect.<br>*Action:*<br>Revise the host's application (VxVM) settings, remove the cause of the error, and then retry the operation. |
| KARF64017-W | Importing to the specified disk was unnecessary. | *Cause:*<br>The disk was already recognized by the host.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |
| KARF64018-W | The specified disk was already Basic. | *Cause:*<br>The disk was already a Basic disk.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |
| KARF64019-W | The specified disk was already Dynamic. | *Cause:*<br>The disk was already a Dynamic disk.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF64020-E | The logical volume name is invalid. | *Cause:*<br>The request was made with an invalid value.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF64021-E | The specified logical volume is still being used. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64022-E | You cannot use the DeleteVolumeGroup API to delete a volume group that contains 2 or more physical volumes. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. Or processing may have been performed to the same resource.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64023-E | You cannot use the DeletePhysicalVolume API to delete a physical volume from a volume group that contains only 1 physical volume. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. Or processing may have been performed to the same resource.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64024-W | The logical volume *Logical volume name* journal log cannot be deleted because it is being used. | *Cause:*<br>The logical volume was not deleted because it is being used as a journal log.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |
| KARF64025-E | The specified disk has an error status. | *Cause:*<br>A setup of a host's application (VxVM or Dynamic Link Manager) is inaccurate. Or the requested operation is invalid to a host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status and application (VxVM or Dynamic Link Manager) settings, remove the cause of the error, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF64026-E | 2 or more logical volumes are on the specified disk. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64027-E | The specified logical volume has a snapshot. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. The operation cannot be executed because there is a snapshot volume for the specified logical volume.<br>*Action:*<br>Refresh the host information. |
| KARF64028-E | The specified logical volume is a snapshot. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated. The operation cannot be executed because the specified logical volume is a snapshot.<br>*Action:*<br>Refresh the host information. |
| KARF64029-E | A partition cannot be specified for the device file. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64031-E | One or more physical volumes other than an md device exist in the specified volume group. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64032-E | The md device has been created with multiple device files. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF64033-E | The specified HDLM path is not in the Online status. | *Cause:*<br>An error might have occurred in the HDLM path.<br>*Action:*<br>See the Dynamic Link Manager manual, remove the cause of the error, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF64034-E | An attempt to create a directory for the volume group has failed. (directory = *directory*) | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated, or the requested operation is invalid in the host's system configuration.<br>*Action:*<br>Refresh the host information, and then retry the operation. Alternatively, depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF64035-E | A group file cannot be created because the maximum value of the minor number exceeds the system limit. | *Cause:*<br>The maximum value of the minor number exceeds the system limit (FF).<br>*Action:*<br>Delete any unnecessary group files, and then retry the operation. |
| KARF64036-E | The specified logical volume is being used by the cluster software. | *Cause:*<br>Provisioning Manager cannot be used to operate a logical volume that is being used by the cluster software.<br>*Action:*<br>Manually perform the following procedure, and then retry the operation:<br>Edit the cluster configuration file.<br>Execute `cmapplyconf`. |
| KARF64037-E | The specified logical volume has been marked as part of a high-availability cluster. | *Cause:*<br>Provisioning Manager cannot be used to operate a logical volume that is being used by the cluster software.<br>*Action:*<br>Manually perform the following procedure, and then retry the operation:<br>Execute the vgchange -a n command to deactivate the volume group.<br>Execute the vgchange -c n command to remove the high-availability cluster mark.<br>Execute the vgchange -a y command to activate the volume group.<br>Refresh the host information. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF64038-E | The cluster configuration of the host is invalid. | *Cause:*<br>There is an inconsistency between the host cluster configuration and cluster configuration file.<br>*Action:*<br>Refer to the Serviceguard manual to check the contents of the cluster configuration file. If necessary, check the cluster system status, remove the inconsistency between the host cluster configuration and cluster configuration file, and then retry the operation. |
| KARF64039-E | An attempt to delete the directory for the created volume group has failed. (directory name = *directory*) | *Cause:*<br>Rollback processing has failed.<br>*Action:*<br>Delete the directory that was output in the message. |
| KARF64040-E | A partitioned disk cannot be used. | *Cause:*<br>The specified disk includes one or more partitions.<br>*Action:*<br>If the partitions are not in use, unpartition the disk, and then retry the operation. |
| KARF65001-E | The specified raw device does not exist. | *Cause:*<br>The specified raw device is not correctly recognized as a device file on the host.<br>*Action:*<br>Make the specified raw device recognizable as a device file, and then resume processing. |
| KARF65002-E | An HDLM device corresponding to the specified device does not exist. | *Cause:*<br>An attempt to create an HDLM device might have failed. Alternatively, an attempt to either recognize the LU specified by the request or create a device file might have failed.<br>*Action:*<br>Refresh the host information to check whether the specified LU appears. If it does not appear, make the host recognize the LU, create an HDLM device, and then retry the operation. For details on how to make a host recognize an HDLM device, see the Dynamic Link Manager manual. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF65003-E | The HDLM path is invalid. | *Cause:*<br>The host's application (Dynamic Link Manager) settings are incorrect, or the requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status and application (Dynamic Link Manager) settings, remove the cause of the error, and then retry the operation. |
| KARF65011-W | The specified raw device does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |
| KARF65012-I | The cfgmgr command will be executed *number of command execution* times. | *Cause:*<br>-<br>*Action:*<br>No action is required. |
| KARF65013-E | The specified raw device still exists. | *Cause:*<br>The specified raw device was not correctly deleted from the host.<br>*Action:*<br>Delete the specified raw device from the host, and then resume processing. |
| KARF65014-E | An unnecessary device file exists. | *Cause:*<br>The specified raw device was not correctly deleted from the host.<br>*Action:*<br>Delete the specified raw device from the host, and then resume processing. |
| KARF66001-E | VolumeManagerAdmin execution error. | *Cause:*<br>An unexpected internal error occurred.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF66002-E | FileSystemAdmin execution error. | *Cause:*<br>An unexpected internal error occurred.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF66003-E | RawDeviceAdmin execution error. | *Cause:*<br>An unexpected internal error occurred.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF66004-E | The specified volume manager type is not supported. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF66005-E | The specified file system type is not supported. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF66006-E | The specified raw device does not exist. | *Cause:*<br>The specified raw device is not correctly recognized as a device file on the host.<br>*Action:*<br>Make the specified raw device recognizable as a device file, and then resume processing. |
| KARF66007-E | The raw device cannot be deleted because there is a partition in the raw device. | *Cause:*<br>Partitions exist on the specified raw device.<br>*Action:*<br>Delete all partitions in the raw device if they are not being used, and then retry the operation. |
| KARF66008-E | The specified mount point (*mount-point*) is invalid. | *Cause:*<br>The mount point included at least one invalid character.<br>*Action:*<br>You cannot use Provisioning Manager to add, expand or delete the specified file system. Manually add, expand or delete it, and then refresh the host information. |
| KARF66009-E | An md device already exists on the specified device file. | *Cause:*<br>An unsupported device file was specified.<br>*Action:*<br>Delete the md device, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF66010-E | The specified logical volume cannot be deleted because its path length exceeds 32 characters. | *Cause:*<br>The path length of the specified logical volume exceeds 32 characters.<br>*Action:*<br>The specified logical volume cannot be deleted. |
| KARF66011-E | An attempt to create a device file for the specified volume group has failed. (volume group = *Volume group name*) | *Cause:*<br>A device file already exists for the specified volume group, or a file with the same name already exists.<br>*Action:*<br>Specify a different volume group name, and then retry the operation. |
| KARF66012-E | An attempt to create a device file for the specified logical volume has failed. (volume group = *Volume group name*, logical volume = *Logical volume name*) | *Cause:*<br>A device file already exists for the specified logical volume, or a file with the same name already exists.<br>*Action:*<br>After manually deleting the created volume group, specify a different logical volume name, and then retry the operation. |
| KARF67001-E | The md device cannot be created because a system limit was exceeded. | *Cause:*<br>The number of md devices exceeded a system limit.<br>*Action:*<br>Delete an unnecessary md device, and then retry the operation. |
| KARF67002-E | The specified physical volume does not exist. | *Cause:*<br>The host information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF70000-E | Internal processing error. | *Cause:*<br>An unexpected internal error occurred.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF70001-E | Exception occurred = *class name* | *Cause:*<br>An unexpected internal error occurred.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF70002-E | The specified parameter is invalid. | *Cause:*<br>The request was made with an invalid value.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF70003-I | Execution command = *command*, startTime = *command start time*. | *Cause:*<br>-<br>*Action:*<br>No action is required. |
| KARF70004-E | Command execution error = *command* | *Cause:*<br>A command execution error occurred.<br>*Action:*<br>Depending on the contents of the error message, revise the host status and application settings, remove the cause of the error, and then retry the operation. |
| KARF70005-E | *Program Product* is not installed. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF70006-E | *Program Product* is not supported. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF70007-W | An attempt to delete the file has failed. (file name = *file name*) | *Cause:*<br>An attempt to delete the file indicated in this message has failed.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |
| KARF70008-E | The specified parameter is invalid. | *Cause:*<br>The hldutil command returned an unexpected execution result.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF70009-E | The specified parameter length is invalid. | *Cause:*<br>The hldutil command returned an unexpected execution result.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF70010-W | Command execution error = *Command execution result* | *Cause:*<br>A nonfatal error occurred during command execution.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |
| KARF70012-I | Waiting *wait time* seconds before starting the next command. | *Cause:*<br>-<br>*Action:*<br>No action is required. |
| KARF70013-I | Command execution result = *command execution result*, endTime = *command end time*. | *Cause:*<br>-<br>*Action:*<br>No action is required. |
| KARF70014-E | The execution result of the command is invalid. | *Cause:*<br>The command returned an unexpected execution result.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF70015-E | The specified entry already exists in *Definition file*. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF70016-E | The specified mount point does not exist in *Definition file*. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF70017-E | *Definition file* cannot be backed up. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF70018-E | *Definition file* cannot be read. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF70019-E | The entry cannot be removed from *Definition file*. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF70020-E | *Definition file* cannot be updated. | *Cause:*<br>The requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF70021-E | The system environment is invalid. (value = *An unjust value*) | *Cause:*<br>The host's configuration system or the application (whole) settings are incorrect. Alternatively, the requested operation is invalid in the host's system configuration.<br>*Action:*<br>Depending on the contents of the error message, revise the host status and application settings, remove the cause of the error, and then retry the operation. |
| KARF70022-W | An attempt to set the value for *Key Name* has failed. The default value *default Value* will be used. | *Cause:*<br>An invalid value exists in the settings file.<br>*Action:*<br>Revise the settings file. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF70023-E | The specified entry does not exist in *Definition file*. | *Cause:*<br>The system configuration of the host is incorrect, or the requested operation is invalid in the system configuration of the host.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |
| KARF70024-E | An error occurred because an invalid value was detected. (attribute = *method name*, value = *Invalid value*) | *Cause:*<br>An unexpected internal error occurred.<br>*Action:*<br>Acquire the error information for Provisioning Manager and Device Manager, and then contact the Support Center. |
| KARF70025-E | The command results do not contain a value that matches *missing Value*. | *Cause:*<br>The Agent information recognized by the Provisioning Manager server has not been updated.<br>*Action:*<br>Refresh the host information, and then retry the operation. |
| KARF70026-W | The default value *default Value* will be used because the value *specified Value* is invalid. | *Cause:*<br>Processing will continue, ignoring the invalid value that was returned.<br>*Action:*<br>No action is required. |
| KARF70027-W | The number *value* value that corresponds to *Header Name* could not be acquired from the command execution results. | *Cause:*<br>Processing will continue, ignoring the unexpected value returned as the command execution result.<br>*Action:*<br>No action is required. |
| KARF70028-W | The *object* object does not exist. *new object* will now be created. | *Cause:*<br>A nonfatal error occurred.<br>*Action:*<br>There is no problem in operation, so processing will continue. No action is required. |
| KARF70029-E | A directory exists that has the same name as the backup file. (directory = *directory*) | *Cause:*<br>Processing could not continue because a directory that has the same name exists.<br>*Action:*<br>Depending on the contents of the error message, revise the host status, remove the cause of the error, and then retry the operation. |

| Error Code | Error Message | Cause and Action |
|---|---|---|
| KARF70030-I | The value that corresponds to *Header name* is acquired. (value = *value*) | *Cause:*<br>-<br>*Action:*<br>No action is required. |
| KARF70031-E | Command output message ( *message* ) | *Cause:*<br>The cause depends on the error that occurred.<br>*Action:*<br>Depending on the contents of the message, revise the host status and application settings, remove the cause of the error, and then retry the operation. |

# Device Manager Agent's Replication Manager Messages

This section describes the messages output by the Replication Manager support functionality of the Device Manager agent and the actions to take in response to these messages.

Table 1-17 lists the error messages related to the Replication Manager support functionality of the Device Manager agent, and provides recommended actions for resolving the error conditions. The error messages are listed in numerical order by error code.

**Table 1-17 Error Codes KAVN01800-KAVN01813: Device Manager Agent's Replication Manager Messages**

| Error Code | Description | Recommended Action |
|---|---|---|
| KAVN01800-I | The CCI instance has stopped successfully. | *Cause:*<br>The CCI instance (HORCM instance) has stopped successfully.<br>*Action:*<br>No action is required. |
| KAVN01801-I | The CCI instance has started. | *Cause:*<br>The CCI instance (HORCM instance) has stopped successfully.<br>*Action:*<br>No action is required. |
| KAVN01802-I | The CCI instance has already stopped. | *Cause:*<br>The CCI instance (HORCM instance) has stopped successfully.<br>*Action:*<br>No action is required. |
| KAVN01803-I | The CCI instance has stopped. | *Cause:*<br>The CCI instance (HORCM instance) has stopped.<br>*Action:*<br>No action is required. |
| KAVN01804-E | An error occurred while acquiring the status of the CCI instance. | *Cause:*<br>An attempt to acquire the CCI instance (HORCM instance) status has failed.<br>*Action:*<br>Check the status of CCI, and then correct the problem. Then, retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAVN01805-E | A supported version of CCI was not found. | *Cause:*<br>The prerequisite version of CCI for Replication Manager was not found.<br>*Action:*<br>Install the prerequisite version of CCI for Replication Manager, and then retry the operation. |
| KAVN01806-E | CCI was not found. | *Cause:*<br>CCI is not installed.<br>*Action:*<br>Install the prerequisite version of CCI for Replication Manager, and then retry the operation. |
| KAVN01807-E | An argument other than "-stop" has been specified. | *Cause:*<br>An argument other than the -stop is specified on the command line.<br>*Action:*<br>Check the argument, and then re-execute the command. |
| KAVN01808-I | Collection of maintenance information from the Replication Manager agent will now start. | *Cause:*<br>The collection of maintenance information from the Replication Manager agent has started.<br>*Action:*<br>No action is required. |
| KAVN01809-I | Collection of maintenance information from the Replication Manager agent has ended. | *Cause:*<br>The collection of maintenance information from the Replication Manager agent has ended.<br>No action is required. |
| KAVN01810-E | An argument is not specified. | *Cause:*<br>The hrpm_getras command was executed without specifying an argument (the output directory).<br>*Action:*<br>Specify an argument (the output directory), and then execute the hrpm_getras command. |
| KAVN01811-E | The directory specified as an argument of the TIC command of the Device Manager agent cannot be accessed | *Cause:*<br>The directory specified as an argument of the hrpm_getras command cannot be accessed.<br>*Action:*<br>Check whether the directory specified as an argument exists and whether access permission is granted for the user, and then retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAVN01812-E | An error occurred during collection of maintenance information from the Replication Manager agent. | *Cause:*<br>An error occurred in the TIC command of the Device Manager agent during the collection of maintenance information from the Replication Manager agent.<br>*Action:*<br>Re-execute the TIC command of the Device Manager agent. If the error occurs again, change the value of the argument, and then re-execute the command. If the problem cannot be corrected, contact the Support Center. |
| KAVN01813-E | The specified parameter value is invalid. | *Cause:*<br>Multiple arguments are specified, or the argument is specified incorrectly.<br>*Action:*<br>Specify a single argument, and then re-execute the TIC command of the Device Manager agent. If the error still occurs, change the value of the argument, and then re-execute the command. If the problem cannot be corrected, contact the Support Center. |

# Device Manager VDS Provider Messages

When an error occurs, Device Manager VDS Provider produces one or more error messages. An error message consists of a message number, a level code indicating the severity of the error, and the error message text. Message numbers are grouped by error type. If you run Device Manager Agent in an English environment, some messages are output in English, although they share the same meaning, as well as the same error codes, as the Japanese messages.

Device Manager VDS Provider messages are written to a secondary output device in the following format:

*revision-level* / *timestamp* / *message-text*

*revision-level* indicates an internal revision number of the program. This information is required when an error is reported to the Hitachi Data Systems Support Center.

*timestamp*, although subject to the local time zone, is always in the same format in other respects. In other words, there are no locality-specific format differences in a timestamp.

*message-text* begins with a message number followed by one of the following message levels indicating the severity:

- **I**: non-error information
- **W**: warning
- **E**: error

Table 1-18 lists the Hitachi Device Manager VDS Provider error messages, and provides recommended actions for resolving the error conditions. The error messages are listed in numerical order by error code.

**Table 1-18 KAIC24000-KAIC24999: Hitachi Device Manager VDS Provider Errors**

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC24001-E | An attempt to create a thread has failed. | Contact the Support Center. |
| KAIC24017-E | An attempt to allocate a buffer for CHdvmComm failed due to lack of memory. | Please add more memory. |
| KAIC24054-E | The CIM operation failed. (<*detailed-message*>) | An attempt to communicate with the Device Manager server has failed. The details portion of this message should indicate the nature of the problem. Revise the Device Manager VDS provider properties. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC24063-E | Communication with the Device Manager server failed. | An attempt to communicate with the Device Manager server has failed. Revise the server.ipaddress value in the file vds.properties. |
| KAIC24065-E | This application runs on Windows Server 2003 only. Installation will now stop. | The Device Manager VDS provider can run on Windows Server 2003 only. Please install it on Windows Server 2003. |
| KAIC24123-E | Please enter the IP address <*IP-address*>. | The IP address is incorrect. Specify the correct IP address. |
| KAIC24124-E | The specified user ID is invalid. | The user ID contains an invalid character or is too long. Specify the correct user ID. |
| KAIC24125-E | The specified password is invalid. | The password contains an invalid character or is too long. Specify the correct password. |
| KAIC24126-E | Please enter the Device Manager server port address <*port-address*>. | The port number is incorrect. Enter the port address of the CIM HTTP protocol, set for the Device Manager server. |
| KAIC24132-E | You cannot start the file hdvmprovider.exe from the command line. Device Manager VDS Provider must be started as the service. | The Device Manager VDS provider cannot be started from the command line. Start Device Manager VDS Provider as a Windows service. |
| KAIC24133-E | You cannot start the file *xxxx* from the command line. The file *yyyy* must be executed.<br>*xxxx*: Internal file<br>*yyyy*: Error information batch collection tool (hdvmgetlogs.bat) | This command cannot be started alone.<br>Execute the command shown by *yyyy*. |
| KAIC24140-E | An attempt to open a log file has failed. | If the log directory (<*installation-directory*>\logs) does not exist, re-install the VDS provider.<br>Make sure the Read-only check box is not selected for the log file and the log directory. |
| KAIC24141-E | An attempt to write to the log file has failed. | Free up disk space by deleting any unnecessary files. |
| KAIC24142-E | An attempt to back up a log file has failed. | Make sure the Read-only check box is not selected for the backup file. |
| KAIC24805-E | You do not have the permissions required to run this program. | Execute the command as a user who has OS Administrator permissions. |

# Device Manager CLI Messages

When an error occurs, Device Manager CLI produces one or more error messages. An error message consists of a message number and the error message text.

For details on the log files to which the CLI error messages are output, see the Device Manager CLI manual.

Table 1-19 lists the Device Manager CLI error messages, and provides recommended actions for resolving the error conditions. The error messages are listed in numerical order by error code.

**Table 1-19 Device Manager CLI Errors**

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC00000-E | Unknown | Contact the Support Center. |
| KAIC90000-E | An internal error occurred in CLI. | |
| KAIC90001-E | Malformed key/value pair: *specified-key-value* (must be in the form key=value) | Revise the specification. |
| KAIC90002-E | Malformed parameter key: *specified-key-value* (must be in the form key=value) | |
| KAIC90003-E | Malformed parameter value: *specified-key-value* (must be in the form key=value) | |
| KAIC90004-E | An argument is required for the option *specified-option* | |
| KAIC90005-E | The option "*specified-option*" is not valid | |
| KAIC90006-E | Value of *key-name* must be an integer; could not parse *specified-value* | |
| KAIC90007-E | An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*". | Revise the specification, and then try again. |
| KAIC90008-E | An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*". | Revise the specification, and then try again. |
| KAIC90009-E | "LogicalUnit" must be specified in parameter "*error-parameter-name*" before using parameter "*related-parameter-name*". | Revise the specification. |
| KAIC90010-E | An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*". | Revise the specification, then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90011-E | Value of channelspeed must be an integer. You entered "*specified-value*". | Revise the specification. |
| KAIC90012-E | Cannot query Logical Group for contained elements of type "*element-type*" | |
| KAIC90013-E | Model = *model-name* not supported. | |
| KAIC90014-E | Parameter "wwn" must have at least two WWNs. | |
| KAIC90015-E | The list element *element-name* could not be added to the Host as a WWN | |
| KAIC90016-E | If either serial number or model is specified for an array, both must be specified | |
| KAIC90017-E | Value of devnums must be a positive integer. You entered "*specified-devnums-value*". | |
| KAIC90018-E | Value of devnum must be a positive integer. You entered "*specified-devnum-value*". | |
| KAIC90019-E | Could not translate to a WWN from *wwn-string*: *detail-message* | |
| KAIC90020-E | There is no way to make a WWN for "*management-object*". | |
| KAIC90021-E | The object type cannot be determined. | Revise the specification, then retry. |
| KAIC90022-E | The specified object is not a path. | |
| KAIC90023-E | An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*". | Revise the specification, and then try again. |
| KAIC90024-E | "*parameter-name*" must be specified in parameter "*relation-paramater-name(1)*" before using parameter "*relation-paramater-name(2)*". | Revise the specification. |
| KAIC90025-E | Cannot query *parameter-name* without *relation-paramater-name(1)* in *relation-paramater-name(2)* | |
| KAIC90026-E | "*model-name*" is not a model name recognized by Device Manager CLI. | |
| KAIC90027-E | The model does not support the command "*specified-command*". | Revise the specification, then retry. |
| KAIC90028-E | Modifying Option Definitions while parsing is illegal | If the problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90029-E | Option already defined using character "*define-option-character*" - *existing-option-name*; cannot define option *define-option-name* | Contact the Support Center. |
| KAIC90030-E | Option already defined long option "*define-option-name*" - *existing-option-character*; cannot define *define-option-character* | |
| KAIC90031-E | Could not correctly parse xml to determine service | Revise the specified XML. |
| KAIC90032-E | Bad URL | Revise the specified URL. |
| KAIC90033-E | Invalid response received | Contact the Support Center. |
| KAIC90034-E | Could not correctly parse response xml | |
| KAIC90035-E | An error occurred while receiving a response. Make sure the URL is correct, and the server is usable. Cause: *URL* | Revise the options, URL, and server settings. Make sure that the URL host name is the same as the host name set on the server. If an error still occurs, contact the Support Center. |
| KAIC90036-E | Unexpected error | Contact the Support Center. |
| KAIC90037-E | Invalid Virtual List String - String is null or length is zero | |
| KAIC90038-E | Invalid Virtual List String - length must be even | |
| KAIC90039-E | Invalid Virtual List String - string not in hex format | |
| KAIC90040-E | Failed to add the WWN : *error-WWN* | Revise the specification. |
| KAIC90041-E | The same WWN "*WWN*" has existed in the same parameter. | |
| KAIC90042-E | invalid parameter value: *specified-parameter-value* | |
| KAIC90045-E | Program Error: *detail-message* | |
| KAIC90046-E | Invalid WWN : *specified-WWN*, WWN should be "*.*.*.*.*.*.*.*" format. "*" is one or two hexadecimal numbers. | |
| KAIC90047-E | The Alerts element cannot contain that element. | Contact the Support Center. |
| KAIC90048-E | The value: *long-value* of attribute *attribute-name* could not be read as a long value | Revise the specification. |
| KAIC90049-E | Illegal value for *attribute-name*: *specified-date*; must be in the form: *required-date-format* | |
| KAIC90050-E | The method for reading the XML data cannot be initialized. | Contact the Support Center. |
| KAIC90051-E | An unexpected type or value was detected in the XML response. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90052-E | CommParameters elements cannot contain *element-name* elements | Revise the specification. |
| KAIC90053-E | Parameters elements must have a "name" and a "value" attribute | |
| KAIC90054-E | An unexpected element was detected in the XML response. | Contact the Support Center. |
| KAIC90055-E | Program Error: Could not read file contents | |
| KAIC90056-E | An unexpected element was detected in the XML response. | |
| KAIC90057-E | The object cannot be created. | |
| KAIC90058-E | An unexpected object has been specified. | |
| KAIC90059-E | An unexpected type or value was detected in the XML response. | |
| KAIC90060-E | Malformed XML HTTP Request | |
| KAIC90061-E | Device Manager does not recognize *root-element-name* root element | |
| KAIC90062-E | All Device Manager messages must have an <APIInfo> element | |
| KAIC90063-E | All Device Manager Requests must be in <Request> elements | |
| KAIC90064-E | All Device Manager Requests elements must contain a Module Element | |
| KAIC90065-E | Device Manager module element must contain a command element | |
| KAIC90066-E | Command element must contain a target attribute | |
| KAIC90067-E | All Device Manager Responses must be in <Response> elements | |
| KAIC90068-E | All Device Manager Responses elements must contain an EchoCommand Element | |
| KAIC90069-E | Status value of: *status-value* is not one of the allowed values (FAILED \| PROCESSING \| COMPLETED) | |
| KAIC90070-E | Service Module must be specified before writing XML | |
| KAIC90071-E | Command must be specified before writing XML | |
| KAIC90072-E | Command target must be specified before writing XML | |
| KAIC90073-E | Attribute " *attribute-name* of Element <*element-name*> has value= *attribute-value*; integer value is required | |
| KAIC90074-E | Malformed XML HTTP Response | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90075-E | All Device Manager Responses must been <Response> elements | Contact the Support Center. |
| KAIC90076-E | XML Conversion Unavailable: missing class file | |
| KAIC90077-E | Cannot interpret the element *<element-name>* | |
| KAIC90078-E | The object cannot be converted to XML. | |
| KAIC90079-E | requires concurrence on date format | |
| KAIC90080-E | The value has an unexpected type. | |
| KAIC90081-E | The value: *attribute-value* of attribute *attribute-name* could not be read as a value of type *type-name* | Revise the specification. |
| KAIC90082-E | Device Manager Exception, code= *result-code*, level= *error-level*, source= *error-source*, description=*error-description* | Revise the specification. |
| KAIC90083-E | Device Manager Server Exception:<br>error code= *result-code*<br>error level= *error-level*<br>error source= *error-source*<br>description=*error-description* | Refer to the error code in the "Device Manager Server Messages" section in the Hitachi Device Manager Software Error Codes manual, and then perform the corresponding Recommended Action. |
| KAIC90084-E | Server returned the following HTTP Response: "*response*"; no additional information available | Refer to the troubleshooting in the CLI manual. |
| KAIC90085-E | No Response Returned from the Device Manager Server | Contact the Support Center. |
| KAIC90086-E | For *any-command* the *option* option must be specified | Revise the specification. |
| KAIC90087-E | For the *command-name* command, the *option* option must be specified | |
| KAIC90088-E | Could not open the file *trace-file-name* for writing the message trace | |
| KAIC90089-E | Could not open the file *input-redirect-file-name* for reading the input | |
| KAIC90090-E | Could not open file *log-file-name* for Logging; will log to console | |
| KAIC90091-E | Must supply a URL from the command line or in the properties file | |
| KAIC90092-E | Could not read password from file *password-file-name* | Revise the contents of the password file. |
| KAIC90093-E | Could not find the password file *password-file-name* | Revise the password file specification. |
| KAIC90094-E | Error reading the password file *password-file-name*: *cause* | Make sure the status of the password file is correct. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90095-E | Certificate from Server shows a hostname of *cert-host-name*, but the response is actually from *url-host-name* | Revise the specification. |
| KAIC90096-E | Could not open the file *output-redirect-file-name* for writing the output | Make sure the user has permission to access the specified file. |
| KAIC90097-E | An attempt to read the property file "*property-file-name*" has failed. | Revise the file specification, then retry. |
| KAIC90099-E | Error reading *property-file-name* from executing directory | Check and, if necessary, revise the specified path setting and the status of the file, and then make sure the file can be accessed. |
| KAIC90100-E | An attempt to read the property file "*property-file-name*" has failed. | Revise the file specification, then retry. |
| KAIC90101-E | Executing with no *property-file-name* Property File | Revise the specification. |
| KAIC90102-E | Unrecognized command: *command-name* | |
| KAIC90103-E | For the *command-name* command, the *key* value must be specified | |
| KAIC90104-E | For the *command-name* command, the *item-option-name(1)* or the *item-option-name(2)* must be specified | |
| KAIC90105-E | For the *command-name* command, both the *item-option-name(1)* and the *item-option-name(2)* can not be specified together. | |
| KAIC90106-E | Specified parameters not appropriate for the command: | |
| KAIC90107-E | family = *model-name* not recognized; | |
| KAIC90108-E | Subtarget *specified-subtarget* not recognized; currently supporting: *storage-array-subtarget-names* | |
| KAIC90109-E | PDEV devnum from the *key-name* was not an integer: *specified-pdevnums* | |
| KAIC90112-E | In the *command-name* command, when specifying *specified-operand*, you have to specify *not-specified-operand* | |
| KAIC90113-E | The "*attribute-name(channel-speed)*" command is not supported on this subsystem. | Revise the specification, then retry. |
| KAIC90114-E | Value of *key* must be either true or false; the value *specified-value* is neither | Revise the specification. |
| KAIC90115-E | The object type cannot be determined. | Revise the specified groupelements, then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90116-E | Parameters wwn and domain cannot both be specified. | Revise the specification, then retry. |
| KAIC90117-E | Either devnum or lusedevnums must be specified | Revise the specification. |
| KAIC90118-E | Parameter *option-name(1)* ignored, using *option-name(2)* for LUSE definition | |
| KAIC90119-E | "*option-name(1)*" and "*option-name(2)*" can not be specified together. | |
| KAIC90120-E | When "*option-name(1)*", "*option-name(2)*", "*option-name(3)*"(or "*option-name(4)*") and "*option-name(5)*" are specified, they must be specified together. | |
| KAIC90121-E | When "*option-name(1)*", "*option-name(2)*", "*option-name(3)*" and "*option-name(4)*" are specified, they must be specified together. | |
| KAIC90122-E | The objectid is required when either "*option-name(1)*" or "*option-name(1)*" is specified with "*option-name(2)*". | |
| KAIC90123-E | Date-Time entered (*specified-value*) not in the required format: YYYY/MM/DD HH:MM:SS | |
| KAIC90124-E | Duplicate execution is not allowed: RefreshStorageArrays | Wait until the executing command finishes, then retry. |
| KAIC90127-E | unrecognized option "*option-name*" | Revise the specification. |
| KAIC90128-E | Option *option-name* requires an argument | |
| KAIC90129-E | *option-name* is in the longOptionMap. but not in the charOptionMap under *option-character* | Contact the Support Center. |
| KAIC90130-E | *option-name* is in the charOptionMap. but not in the longOptionMap | |
| KAIC90131-E | problem accessing the Device Manager datatype | |
| KAIC90132-E | Value of *key-name* must be a long; could not parse *specified-value* | Revise the specification. |
| KAIC90133-E | The CLI initialization information is invalid. | Contact the Support Center. |
| KAIC90134-E | Invalid character was detected in the specified userid or password. | Revise the specification. |
| KAIC90135-E | The number of values of "*parameter-name*" and "*parameter-name*" must be same. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90136-E | The certificate file ("*specified certificate file path*") does not exist in the specified path, or the certificate file is invalid. | Make sure the certificate file is in the specified path and is valid. If you cannot identify the cause of the problem, download the certificate file again. |
| KAIC90137-E | The certificate file ("*default certificate file path*") does not exist in the default path, or the certificate file is invalid. | Make sure the certificate file is in the default path and is valid. If you cannot identify the cause of the problem, download the certificate file again. |
| KAIC90138-E | When the -s option is used, URLs must start with https. | Make sure the specified option and URL are correct. |
| KAIC90139-E | A connection cannot be established. (reason = "*reason why the connection cannot be established*") | Take action based on the information contained in the message and make sure that the Device Manager Server is running. |
| KAIC90140-E | The specified objectID "*specified objectID*" is invalid. | Make sure the objectID is correct. |
| KAIC90141-E | The API version "*specified-API-version*" specified in the XML request is invalid. | Revise the API version specification. |
| KAIC90142-E | An internal error occurred. The CLI API version "*CLI-API-version*" is invalid. | Contact the Support Center. |
| KAIC90143-E | The API version "*specified-API-version*" specified in the XML request exceeds the highest usable version "*highest-usable-version*". | Revise the API version specification. |
| KAIC90144-E | Both "*Parameter name (1)*" and "*Parameter name (2)*" must be specified. | Revise the specification, then retry. |
| KAIC90145-E | The model of the subsystem must be specified when the parameter "*Parameter name*" is specified. | |
| KAIC90146-E | An invalid value "*parameter-value*" has been specified for parameter *parameter-name*. | |
| KAIC90147-E | An invalid value "*parameter-value*" has been specified for parameter *parameter-name*. Specify the value by using an integer, CU:LDEV syntax or LDKC:CU:LDEV syntax. | |
| KAIC90148-E | An invalid value "*parameter-value*" has been specified for parameter *parameter-name*. Specify the value by using an integer (decimal or hexadecimal). | |
| KAIC90149-E | Specify either "arraygroupname" or "chassis" and "groupnum". | |
| KAIC90150-E | "arraygroup" cannot be specified together with "chassis" and "groupnum". | |
| KAIC90151-E | Specify either "*Parameter name (1)*" or "*Parameter name (2)*". | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90152-E | Information in the message was omitted because the message is too long. The original message is as follows: | No action is required. |
| KAIC90153-E | The object ID of the host or the host name cannot be specified at the same time as the filter used for selecting the host. | Revise the specification, then retry. |
| KAIC90154-E | An invalid value "*parameter-value*" has been specified for parameter *parameter-name*. | |
| KAIC90155-E | When "*parameter-value*" is specified for "*parameter-name*", you must specify the value for "*parameter-name*". | Revise the specification, and then try again. |
| KAIC90156-E | When "*parameter-value*" is specified for "*parameter-name*", you cannot specify the value for "*parameter-name*". | |
| KAIC90157-E | For this model, *parameter-value* cannot be specified for *parameter-name*. | |
| KAIC90158-E | If "*parameter-name*" is omitted, "*parameter-name*" cannot be used. | Revise the specification, and then retry the operation. |
| KAIC90159-E | The user ID or password is not specified. Specify a user ID and password to discover the specified subsystem. | Revise the specified values. |
| KAIC90160-E | The parameter param0 cannot be specified for this model. | Revise the specification. |
| KAIC90161-E | The parameter param0 must be specified for this model | Revise the specification. |
| KAIC90162-E | If the parameter param0 is omitted, the parameter param1 must be specified. | Revise the specification. |
| KAIC90163-E | Specify one of the following: *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, or *parameter-name*. | Revise the specification. |
| KAIC90164-E | The "*command-name*" command is not supported on this model. | Revise the specification. |
| KAIC90165-E | Specify one of the following: *parameter-name*, *parameter-name*, *parameter-name*, or *parameter-name*. | Revise the specification. |
| KAIC90167-E | "*hostname*" is not recognized as a virtualization server. | Revise the specified host. |
| KAIC90168-E | This command is not supported on virtualization server. | Use RefreshVirtualizationServer to refresh the virtualization server. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90169-E | No virtualization server or the management software mananging the virtualization servers could be detected. | Revise the parameter settings and the virtualization software settings. |
| KAIC90170-E | The parameter "*parameter-name*" cannot be specified for this Host. | Revise the specification, and then retry the operation. |
| KAIC90171-E | The "*specified-command*" command is not supported on this Host. | Revise the specification, and then retry the operation. |
| KAIC90180-E | The length of the "*parameter-name*" parameter is outside the valid range from "*minimum-value*" to "*maximum-value*". | Specify a valid value. |
| KAIC90181-E | When "*option-name(1)*","*option-name(2)*" and "*option-name(3)*" are specified, they must be specified together. | Revise the specification, and then try again. |
| KAIC90182-E | The specified parameter "*Parameter-Name*" is not appropriate. | Revise the specification. |
| KAIC90200-E | The number of "iscsiname" values must match the number of "iscsinickname" values. | Revise the specification, and then retry the operation. |
| KAIC90201-E | The string "*element-name*" could not be added to the host as an iSCSIName. | |
| KAIC90202-E | An attempt to add the iSCSIName "*error-iSCSIName*" has failed. | |
| KAIC90203-E | The same iSCSIName "*iSCSIName*" is already specified in the parameter. | |
| KAIC90204-E | The iSCSIName cannot be specified for the instance "*management-object*". | |
| KAIC90500-E | Options "-b" and "-i" cannot be specified at the same time. | Revise the specification. |
| KAIC90501-E | A command or parameter cannot be specified when option "-b" is specified. | |
| KAIC90503-E | Both "*Command name*" and "*Command name*" are included in the command specifications in the specified batch file. Only one of these commands can be included in the batch file. | Revise the contents of the batch file. |
| KAIC90504-E | The number of commands that can be included in the batch file is "*Number*". | |
| KAIC90505-E | A command "*Command-Name*" that cannot be executed by batch execution has been coded in the batch file. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90506-E | The specified batch file cannot be found. | Revise the batch file specification. |
| KAIC90507-E | An attempt to read the specified batch file has failed. Remove the cause of the problem, and then re-execute the batch file. Cause: "*Message*" | Remove the cause of the problem, and then re-execute the batch file. |
| KAIC90508-E | No command has been coded in the batch file. | Revise the contents of the batch file. |
| KAIC90509-E | The commands coded in the batch file must be for a single subsystem. | |
| KAIC90510-E | The batch file contains invalid coding in line *Line-Number*. | |
| KAIC90511-E | An error occurred while reading the batch file. Revise the coding in the batch file, and then re-execute the batch file. Line:*Line-Number* Cause: *Message* | Revise the contents of the batch file, then retry. |
| KAIC90512-E | The specified parameter "*Parameter-Name*" is not appropriate for the command "*Command-Name*". | Revise the specification. |
| KAIC90513-E | The specification of parameter "*Parameter-Name*" is duplicated in the command. | |
| KAIC90550-E | There is an error in the syntax of the batch file coding. | Revise the contents of the batch file. |
| KAIC90551-E | The coding that follows the endbatch line is invalid. | |
| KAIC90552-E | The beginbatch line is not coded. | |
| KAIC90553-E | A command or endbatch line is not specified. | |
| KAIC90556-E | The coding in the beginbatch line is invalid. | |
| KAIC90557-E | The coding in the endbatch line is invalid. | |
| KAIC90559-E | A space character is required before the command name. | |
| KAIC90560-E | Characters other than alphanumeric characters cannot be used in a command name. | Revise the contents of the batch file. |
| KAIC90562-E | The batch file contains invalid coding. | |
| KAIC90563-E | Characters other than alphanumeric characters cannot be used in a parameter name. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90564-E | The parameter specification is invalid. The parameter name is incorrect or the parameter has not been specified using the "parameter-name=value" syntax. | |
| KAIC90565-E | An invalid character is being used in the parameter value. Only ASCII characters can be used. Escaping by "\" is required for spaces and symbols, except for: ",", "-", ".", "/", ":", "=", "_", ";". | |
| KAIC90566-E | Characters other than symbol characters cannot be escaped. The characters that can be escaped are: " ", "!", """, "#", "$", "%", "&", "'", "(", ")", "*", "+", "<", ">", "?", "@", "[", "\", "]", "^", "`", "{", "\|", "}", "~". | |
| KAIC90569-E | A new line is required at the end of a statement. | |
| KAIC90570-E | The maximum number of characters that can be specified for a name, such as a parameter name, is "*Length*". | |
| KAIC90571-E | This is an invalid line. A line feed is required after a carriage return. | |
| KAIC90572-E | If you specify "*parameter-key-name*", you must also specify "*parameter-key-name*". If you specify "*parameter-key-name*", you must also specify "*parameter-key-name*". | Revise the command parameters, then re-execute the command. |
| KAIC90573-E | If you specify "*parameter-key-name*" and "*parameter-key-name*", you must also specify "*parameter-key-name*" and "*parameter-key-name*". | |
| KAIC90574-E | The memory for the CLI became insufficient while this operation was being performed. | Take either of the following actions:<br>▪ Increase the memory heap size for the CLI, and then perform the operation again.<br>▪ Decrease the amount of information to be collected, and then perform the operation again. |
| KAIC90575-E | The value of the "*parameter-key-name*" parameter is outside the valid range from "*minimum-value*" to "*maximum-value*". | Specify a valid value. |
| KAIC90576-E | The sum of startElementNumFilter and numOfElementsFilter is outside the valid range from "*minimum-value*" to "*maximum-value*". | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90577-E | The "*parameter-name-list*" and "*parameter-name-list*" parameters cannot be specified at the same time. | Revise the specification, and then retry the operation. |
| KAIC90600-E | An invalid value "*specified-value*" has been specified for the option "*specified-option*". | |
| KAIC90601-E | The options "*specified-option*" and "*specified-option*" cannot be specified at the same time. | |
| KAIC90602-E | The option "*specified-option*" and the command "*specified-command*" cannot be specified at the same time. | |
| KAIC90603-E | The option "*specified-option*" and the parameter "*specified-parameter*" cannot be specified at the same time. | |
| KAIC90701-E | The user ID specified for the option -u does not match the user ID in the property file *property-file-name*. | Specify the correct user ID at the command line. |
| KAIC90702-E | The password specified for [Old password] does not match the password in the property file *property-file-name*. | Specify the correct password at the command line. If the password in the property file cannot be specified correctly at the command line, delete the password from the property file, and then execute the command again. |
| KAIC90703-E | The passwords specified for [New password] and [Re-enter new password] are not the same. | Specify the correct password at the command line. |
| KAIC90704-E | An attempt to encode the password has failed. | Revise the execution environment, and then execute the command again. If the problem persists, please contact the Support Center. |
| KAIC90705-E | An attempt to decode the password has failed. | Specify the correct user ID that corresponds to the password set in the password2 option. If the problem persists, please contact the Support Center. |
| KAIC90706-E | An attempt to decode the password failed because the current environment is different from the environment in which the password was encoded. | Delete the password in the property file, and then execute the command again. |
| KAIC90707-E | Command execution failed because the environment does not support the specific encoding algorithm. | Revise the execution environment, and then execute the command again. If the problem persists, please contact the Support Center. |
| KAIC90708-E | I/O processing for a file failed or was interrupted. (cause = *Message*) | Remove the cause of error by referring to the error information in the message, and then execute the command again. |
| KAIC90709-E | An invalid password was specified. | Check which characters are valid and the maximum number of characters for a password, and then specify a valid password. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC90710-E | An attempt to encode or decode the password failed because the execution environment was invalid. | Contact the Support Center. |
| KAIC90711-E | An attempt to encode or decode the password failed because the execution environment was invalid. | Revise the execution environment, and then execute the command again. If the problem persists, please contact the Support Center. |
| KAIC90712-E | The password file *password-file-name* could not be written to. | If the password file exists, grant write access for it. If it does not exist, grant write access so that a password file can be made. |

# Device Manager CLIEX Messages

When an error occurs, Device Manager CLIEX produces one or more error messages. An error message consists of a message number and the error message text.

For details on the log files to which the CLIEX error messages are output, see the Device Manager CLI manual.

Table 1-20 lists the Device Manager CLIEX error messages, and provides recommended actions for resolving the error conditions. The error messages are listed in numerical order by error code.

**Table 1-20 Device Manager CLIEX Errors**

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC40001-E | An unknown failure occurred in the target storage array. | If the problem persists, contact the Support Center. |
| KAIC40002-E | The command device has failed. *command device error message* | See the CCI/RAID Manager manual. |
| KAIC40003-E ~ KAIC40699-E | *RAID Manager error message* | See the Troubleshooting Device Manager CLIEX Problems and the CCI/RAID Manager manual. |
| KAIC41000-E | An internal error occurred. (file = "*file name*", line = "*line number*"). | Contact the Support Center. |
| KAIC41001-E | Memory allocation error. Out of memory. | There might not be enough memory to execute Device Manager CLIEX.<br>Make sure there is enough memory in the system. If the problem persists, contact the Support Center. |
| KAIC41002-E | This command has not been supported for the target storage array. | Revise the storage subsystem specification. |
| KAIC41003-E | An attempt to load the command device has failed. | Make sure that the host is recognizing the command device correctly. |
| KAIC41004-E | An attempt to acquire the device information has failed. (device special file: "*device file name*") Check the status of the device associated with the device special file. | Check the status of the device associated with the device special file.<br>If the problem persists, contact the Support Center. |
| KAIC42000-E | The storage-array parameter must be one of the following: "-c", "--cmddev", "-a", or "--array" | Revise the storage subsystem specification. |
| KAIC42001-E | The storage-array parameter must be one of the following: "-c", "--cmddev", "-a", or "--array" | |
| KAIC42002-E | The specified storage array name "*alias name*" is invalid. Check the property file. | Make sure the contents of the property file are correct, then revise the storage subsystem specification. |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC42003-E | A command argument is missing or invalid. | Revise the command specification. |
| KAIC42004-E | The command must contain only one of the following: *command list* | |
| KAIC42005-E | The value "*parameter value*" for the parameter "*parameter name*" is invalid. | Revise the parameter specification. |
| KAIC42006-E | The value for the parameter "*parameter name*" must be between *minimum value* and *maximum value*. | |
| KAIC42007-E | The parameter "*parameter name*" is required. | |
| KAIC42008-E | The parameter "*parameter identifier or parameter name*" is invalid. | |
| KAIC42009-E | The parameter must be either "*parameter name*" or "*parameter name*". | |
| KAIC42010-E | The LUN "*path LUN*" has already been assigned to a LUN group or is not assigned to this port. | Collect the storage subsystem information, and then make sure the parameter specification is correct. |
| KAIC42011-E | The specified LDEV "*device number*" is invalid. | |
| KAIC42012-E | The specified LDEV "*device number*" is part of the LU joined by the LUSE. | Revise the parameter specification. |
| KAIC42013-E | The LU "*device number*" is not assigned to the port "*port number*". | Collect the storage subsystem information, and then make sure the parameter specification is correct. |
| KAIC42014-E | The LUN "*path LUN*" is already being used. | Revise the LUN specification. |
| KAIC42015-E | To perform this operation, "LUNSecurity=On" must be set for the port. | Turn on the security switch for the specified port, then retry. |
| KAIC42016-E | The LU "*device number*" is already assigned to this port. | Collect the storage subsystem information, and then make sure the parameter specification is correct. |
| KAIC42017-E | The LU "*device number*" is not assigned to "*port-number - host storage domain ID*" (port - HostStorageDomain). | |
| KAIC42018-E | The LUN "*path LUN*" is not assigned to the LUN group "*LUN group ID*". | |
| KAIC42019-E | The host storage domain "*host storage domain ID*" already exists on this port. | |
| KAIC42020-E | The WWN "*WWN*" has not been registered in "*LUNGroup or HSDOMAIN*": "*LUN group ID or host storage domain ID*". | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC42021-E | The WWN "*WWN*" has already been defined in the host storage domain "*host storage domain ID*". | Collect the storage subsystem information, and then make sure the parameter specification is correct. |
| KAIC42022-E | The maximum LUN number ("*maximum value*") on the port has been reached. | Revise the parameter specification. |
| KAIC42023-E | The host storage domain "*host storage domain ID*" has not been defined for the port "*port number*". | Make sure the host storage domain is correct. |
| KAIC42024-E | The LU "*path LUN*" has already been assigned to a port. | Collect the storage subsystem information, and then make sure the parameter specification is correct. |
| KAIC42025-E | *target volume* is not available for this operation. | Revise the volume specification. |
| KAIC42026-E | The usual volume and the V-VOL can not be specified together. | |
| KAIC42027-E | At least one LUN is necessary for the pair volume. | Revise the LUN specification. |
| KAIC42028-E | Duplicated value "*parameter value*" for *parameter name* is specified. | Revise the parameter specification. |
| KAIC42029-E | The LU "*device number*" is already assigned to this host storage domain. | Collect the storage subsystem information, and then make sure the parameter specification is correct. |
| KAIC42030-E | ARRAY: "*array name*" is not attached this host or doesn't have valid CMDDEV. | Make sure that the host is recognizing the command device correctly. |
| KAIC42031-E | The Command Device (devNum="*device number*", devFile="*device file name*") is not attached this host. Or, the storage array that has the Command Device is not supported. Revise devFile or devNum in the property file. | Make sure that the host is recognizing the command device correctly, and that the storage subsystem for the command device is supported by Device Manager CLIEX. |
| KAIC42100-E | Permission denied with the Virtual Partition Manager, "*parameter name*": "*parameter value*". | Revise the parameter specification. |
| KAIC42996-E | Device Manager CLIEX cannot be started because the installation directory in the registry is invalid. Re-install Device Manager CLIEX. If this problem cannot be solved, contact the Support Center. | If the problem cannot be solved, contact the Support Center. |
| KAIC42997-E | Device Manager CLIEX cannot be started because a registry entry is invalid. Re-install Device Manager CLIEX. If this problem cannot be solved, contact the Support Center. | |
| KAIC42998-E | Device Manager CLIEX cannot be started because the registry key is invalid. Re-install Device Manager CLIEX. If this problem cannot be solved, contact the Support Center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC42999-E | The specified value "*specified value*" does not exist on the target "*target element*". | Revise the parameter specification. |
| KAIC43300-E | An attempt to load "*file name*" has failed. | Contact the Support Center. |
| KAIC43301-E | The filename cannot contain any directories. | Revise the property file specification. |
| KAIC43302-E | The file "*file name*" cannot be loaded. | Contact the Support Center. |
| KAIC43303-E | The file cannot be opened. ("*file name*") | Revise the configuration of the property file. If the problem persists, contact the Support Center. |
| KAIC43500-E | There are too many or too few elements in the message file. (file = "*file name*", line = "*line number*", string = "*line string*") | Contact the Support Center. |
| KAIC43502-E | The log level in the message file is invalid. (file = "*file name*", line = "*line number*", string = "*line string*") | |
| KAIC43503-E | The message ID in the message file is invalid. (file = "*file name*", line = "*line number*", string = "*line string*") | |
| KAIC43504-E | A definition is duplicated in the message file. (file = "*file name*", line = "*line number*", string = "*line string*") | |
| KAIC43505-E | The number of sections in the message file is invalid. (file = "*file name*", line = "*line number*", string = "*line string*") | |
| KAIC43506-E | The message file "*file name*" is missing the message "*message ID*". | |
| KAIC43550-E | The file cannot be opened. ("*file name*") | |
| KAIC43551-E | The file cannot be written to. ("*file name*") | |
| KAIC43552-E | An attempt to open the event log has failed. Check the event log settings or change the Device Manager CLIEX settings so that event logs are not output to the event log. | Revise the event log settings. |
| KAIC43553-E | An attempt to output to the event log has failed. Check the event log settings or change the Device Manager CLIEX settings so that event logs are not output to the event log. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| KAIC43554-E | An attempt to close the event log has failed. Check the event log settings or change the Device Manager CLIEX settings so that event logs are not output to the event log. | Revise the event log settings. |
| KAIC44300-E | The XML is invalid. (file = "*file name*", line = "*line number*", column = "*column number*", "*message*") | Make sure the contents of the property file are correct. |
| KAIC44301-E | The XML is not well formed. (file = "*file name*", line = "*line number*", column = "*column number*", "*message*") | |
| KAIC44302-E | An error occurred during XML parser initialization. (file = "*file name*") | If the problem persists, contact the Support Center. |
| KAIC44303-E | An error occurred during parsing. ("*error message*") | Make sure the contents of the property file are correct. |
| KAIC44304-E | A DOM error occurred during parsing. ("*error message*") | |
| KAIC44305-E | An error occurred during parsing. ("*error message*") | |
| KAIC44306-E | An error occurred during XML processing. ("*error message*") | If the problem persists, contact the Support Center. |
| KAIC44400-E | An error occurred while parsing "*file name*". This file does not conform to the DTD. | Make sure the contents of the property file are correct. |

# 2

# Universal Storage Platform V/VM Messages

This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Universal Storage Platform V/VM.

☐ Details About Universal Storage Platform V/VM Messages

# Details About Universal Storage Platform V/VM Messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem. This section lists and describes the error messages from Universal Storage Platform V/VM that are contained in Hitachi Device Manager messages.

If you are unable to resolve the conditions of an error, see Calling the Hitachi Data Systems Support Center for instructions on calling the Hitachi Data Systems Support Center.

When a Device Manager message contains a message from Universal Storage Platform V/VM, Device Manager displays two types of error code identifying the Universal Storage Platform V/VM messages.

Table 2-1 lists and describes the Universal Storage Platform V/VM messages that are displayed by Hitachi Device Manager. For details on the Universal Storage Platform V/VM error messages that are not listed in Table 2-1, see the Storage Navigator message manual. In those messages, %s indicates a string variable and %d indicates a numerical variable.

Messages whose first error code (error code 1) is 60xx (where xx is a two-digit number) are TrueCopy for z/OS or TrueCopy messages. This manual contains TrueCopy for z/OS messages only. If you are a TrueCopy user, note that:

- The word M-VOL in TrueCopy for z/OS messages is equivalent to P-VOL in TrueCopy messages.
- The word R-VOL in TrueCopy for z/OS messages is equivalent to S-VOL in TrueCopy messages.

***Note:***

- The list of messages below shows error codes 1 and 2, separated by a comma. The asterisk ("*") indicates that the error code output varies. If a displayed error code does not match any of the codes listed below, see the explanation for the message labeled *,*.
- In some cases, the Recommended Action column may be blank. In these circumstances, the user should take actions based on instructions provided in the error message and based on what the user is trying to accomplish.

## Table 2-1 Universal Storage Platform V/VM Messages

| Error Code | Description | Recommended Action |
|---|---|---|
| *,* | An error has occurred in the subsystem. If you cannot solve this problem, contact the Support Center. | If the problem persists, contact the Support Center. |
| 2,5510 | The disk subsystem is in internal process, or some other user is changing the configuration. Wait a while, then click [Refresh] on the File menu, or wait a while and login again. | Wait a while, then click [Refresh] on the File menu, or wait a while and login again. |
| 2,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |
| 2,58578 | An error occurred in the disk subsystem. The configuration may be inconsistent. Please select [All Refresh] and refresh the configuration. | See the Storage Navigator message manual. |
| 3,2003 | Volume migration, QuickRestore, etc. are in process. After you reply to this message, a window that shows only the Refresh button will be displayed. Please wait for a while, and then select [Refresh]. | After you reply to this message, a window that shows only [Refresh] will be displayed. Wait a while, then click [Refresh].If this problem persists, inconsistency of configuration may have occurred. Please call the Support Center. If the problem occurred when starting SVP, check the version number of the microprogram and the configuration information. |
| 3,2033 | The SVP is not ready yet, or an internal processing is being executed. Wait for a while, and then click [Refresh] on the File menu. When an error occurs during login, wait for a while and login again. | See the Storage Navigator message manual. |
| 3,2100 | An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Please select [All Refresh] and refresh the configuration. | See the Storage Navigator message manual. |
| 5,66101 | This function could not be used because a function failed to start during SVP initialization.Click [All Refresh] and refresh the configuration. If this problem persists, please call the Support Center. | See the Storage Navigator message manual. |
| 305,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |
| 405,5047 | An error occurred when installing or uninstalling the program product. Please select the program product and select | See the Storage Navigator message manual. |

| Error Code | Description | Recommended Action |
|---|---|---|
| | [Detail] to check the details of the error. | |
| 405,5503 | You have attempted to install an Emergency key to the option for which a Permanent key has been installed. If you want to install the Emergency key forcibly by using the license key file, please specify Only Normal & Warning and retry this operation. If you want to install the Emergency key forcibly by using the license key code, please select [OK]. | See the Storage Navigator message manual. |
| 605,8971 | An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Click [Refresh All] on the File menu and refresh the configuration. | See the Storage Navigator message manual. |
| 605,66501 | The number of LDEVs that can be defined in an external volume has exceeded the maximum value. | See the Storage Navigator message manual. |
| 605,66502 | Specified ExG has already been used. | See the Storage Navigator message manual. |
| 605,66503 | It is not set within the range where LDKC, CU, and LDEV can be used. | See the Storage Navigator message manual. |
| 605,66504 | Specified LDKC:CU:LDEV has already been used. | See the Storage Navigator message manual. |
| 605,66505 | It is allocated in other emulation groups within the delimited range of each 32LDEV number. | See the Storage Navigator message manual. |
| 605,66506 | Specified SSID has already been used. | See the Storage Navigator message manual. |
| 605,66507 | The target external volume is blocked or not set within the range where capacity can be used. | See the Storage Navigator message manual. |
| 605,66508 | The specified LDEV capacity is invalid. | See the Storage Navigator message manual. |
| 605,66509 | The total of the LDEV capacity defined in the external volume exceeds the external volume size. | See the Storage Navigator message manual. |
| 605,66512 | Specified CLPR is not mounted. | See the Storage Navigator message manual. |
| 605,66514 | LDKC: CU that cannot be used by the SLPR is specified. | See the Storage Navigator message manual. |
| 605,66515 | SSID that cannot be used by the SLPR is specified. | See the Storage Navigator message manual. |
| 605,66517 | The target external volume has already been mapped or set. | See the Storage Navigator message manual. |
| 605,66518 | The cross-subsystem path configuration of the external volume is not corresponding to the cross-subsystem path configuration defined in PathGroup. | See the Storage Navigator message manual. |
| 605,66675 | The syntax of the parameter is invalid. | See the Storage Navigator message manual. |
| 605,66693 | A correct parameter is not set as a data | See the Storage Navigator message |

| Error Code | Description | Recommended Action |
|---|---|---|
| | transfer volume. | manual. |
| 605,66694 | A correct parameter is not set as RemoteCommandDevice. | See the Storage Navigator message manual. |
| 605,66695 | Specified port is not external port. | See the Storage Navigator message manual. |
| 605,66698 | The number of alternate Path definitions that can be set to the external volume has exceeded the maximum. | See the Storage Navigator message manual. |
| 605,66702 | It is not set within the range where PathGroup can be used. | See the Storage Navigator message manual. |
| 605,66705 | It is not Port number that can be specified. | See the Storage Navigator message manual. |
| 605,66710 | It is not set within the range where LUN can be used. | See the Storage Navigator message manual. |
| 605,66713 | It is not set within the range where ExG can be used. | See the Storage Navigator message manual. |
| 605,66715 | Attribute is invalid. | See the Storage Navigator message manual. |
| 605,66718 | It is not set within the range where CLPR can be used. | See the Storage Navigator message manual. |
| 605,66720 | It is not emulation type that can be specified. | See the Storage Navigator message manual. |
| 605,66722 | CacheMode is invalid. | See the Storage Navigator message manual. |
| 605,66724 | InflowControl is invalid. | See the Storage Navigator message manual. |
| 605,66736 | It is not set within the range where LDKC can be used. | See the Storage Navigator message manual. |
| 605,66739 | It is not set within the range where CU can be used. | See the Storage Navigator message manual. |
| 605,66742 | It is not set within the range where LDEV can be used. | See the Storage Navigator message manual. |
| 605,66744 | It is not set within the range where LDEV capacity can be used. | See the Storage Navigator message manual. |
| 605,66747 | It is not set within the range where SSID can be used. | See the Storage Navigator message manual. |
| 605,66797 | There is an error in the parameter of the subordinate position hierarchy. | See the Storage Navigator message manual. |
| 605,66798 | Specified WWN was not found. | See the Storage Navigator message manual. |
| 605,66799 | Specified external volume was not found. | See the Storage Navigator message manual. |
| 1005,1128 | You have requested to change the channel speed, but the version of Fiber PCB is not supported. | Review the Channel Package. |
| 1005,2100 | An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Please select [All Refresh] | See the Storage Navigator message manual. |

| Error Code | Description | Recommended Action |
|---|---|---|
| | and refresh the configuration. | |
| 1005,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. | See the Storage Navigator message manual. |
| 1305,66572 | Declaration is invalid. | See the Storage Navigator message manual. |
| 1305,66573 | The number of lines or the number of characters in one line exceeds the maximum number. | See the Storage Navigator message manual. |
| 1305,66574 | There is a line that cannot be interpreted as an element of the spreadsheet. | See the Storage Navigator message manual. |
| 1305,66575 | It is not corresponding to the serial number of the device that executes the spreadsheet. | See the Storage Navigator message manual. |
| 1305,66576 | Any operation tag to the program product is not set. | See the Storage Navigator message manual. |
| 1305,66577 | Version number or program product of the declaration is not correct. | See the Storage Navigator message manual. |
| 1305,66578 | There was an error while executing the spreadsheet. Please confirm the result of each parameter. | See the Storage Navigator message manual. |
| 1305,66675 | The syntax of parameter is invalid. | See the Storage Navigator message manual. |
| 3005,8971 | An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Click [Refresh All] on the File menu and refresh the configuration. | See the Storage Navigator message manual. |
| 3005,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |
| 3005,58572 | An error occurred during the communication with the storage system. Please wait a while, and retry the operation.If the error occurred in the operation of the pool, please refresh the configuration by clicking [Refresh All] on the File menu, then retry the operation. | See the Storage Navigator message manual. |
| 4105,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |
| 5105,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact | See the Storage Navigator message manual. |

| Error Code | Description | Recommended Action |
|---|---|---|
| | the storage administrator. To perform other operations, select a function button. | |
| 5205,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |
| 5305,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |
| 8005,5510 | The disk subsystem is in internal process, or some other user is changing configuration. After you reply to this message, a window that shows only the Refresh button will be displayed. Please wait for a while, and then select [Refresh]. | See the Storage Navigator message manual. |
| 8005,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |
| 8105,2033 | The SVP is not ready yet, or an internal processing is being executed. | See the Storage Navigator message manual. |
| 8105,6999 | There is a possibility that composition information has been changed. | See the Storage Navigator message manual. |
| 9605,56525 | Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button. | See the Storage Navigator message manual. |

# 3

# Hitachi USP Messages

This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Hitachi USP.

☐ Details About Hitachi USP Messages

# Details About Hitachi USP Messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem. This section lists and describes the error messages from Hitachi USP that are contained in Hitachi Device Manager messages.

If you are unable to resolve the conditions of an error, see Calling the Hitachi Data Systems Support Center for instructions on calling the Hitachi Data Systems Support Center.

When a Device Manager message contains a message from Hitachi USP, Device Manager displays two types of error code identifying the Hitachi USP messages.

Table 3-1 lists and describes the Hitachi USP messages that are displayed by Hitachi Device Manager.

***Note:*** The list of messages below shows error codes 1 and 2, separated by a comma. The asterisk ("*") indicates that the error code output varies. If a displayed error code does not match any of the codes listed below, see the explanation for the message labeled *,*.

**Table 3-1 Hitachi USP Messages**

| Error Code | Description | Recommended Action |
|---|---|---|
| *,* | An error has occurred in the subsystem. If you cannot solve this problem, contact the Support Center. | If the problem persists, contact the Support Center. |
| 1,1001 | A timeout has occurred. The SVP will reboot. Try again later. | The SVP reboots automatically. After the reboot, re-execute. If the same result occurs, contact the Support Center. |
| 3,1002 | The specified volume cannot be set as a command device or a component of a LUSE volume, because it is being used as a Remote Copy, ShadowImage, Cross-system Copy, Volume Migration, or COW Snapshot volume. Select another volume. | None. |
| 1005,1002 | The specified volume cannot be set as a command device or a component of a LUSE volume, because it is being used as a Remote Copy, ShadowImage, Cross-system Copy, Volume Migration, or COW Snapshot volume. Select another volume. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1003 | An attempt is being made to set multiple paths from one group to the same volume. | The configuration might be already changed. Revise the settings. |
| 1005,1003 | An attempt is being made to set multiple paths from one group to the same volume. | |
| 3,1004 | An attempt is being made to set multiple volumes for one combination of port, group, and LUN group. | |
| 1005,1004 | An attempt is being made to set multiple volumes for one combination of port, group, and LUN group. | |
| 3,1005 | An attempt is being made to set paths to an uninstalled volume, a volume other than the top of an expanded LU, a reserve volume of Volume Migration, or a Just-in-Time volume. | |
| 1005,1005 | An attempt is being made to set paths to an uninstalled volume, a volume other than the top of an expanded LU, a reserve volume of Volume Migration, or a Just-in-Time volume. | The configuration might be already changed. Revise the settings. |
| 3,1007 | The last path connected to a volume of one of the following could not be deleted: Remote Copy, ShadowImage, Cross-system Copy, Volume Migration, or COW Snapshot. | None. |
| 1005,1007 | The last path connected to a volume of one of the following could not be deleted: Remote Copy, ShadowImage, Cross-system Copy, Volume Migration, or COW Snapshot. | |
| 3,1009 | The emulation type of the volume to be connected as an expanded LU is not an open-systems volume. | The configuration might be already changed. Revise the settings. |
| 1005,1009 | The emulation type of the volume to be connected as an expanded LU is not an open-systems volume. | |
| 3,1010 | You are trying to specify an expanded LU that includes an already expanded LU. | Revise the settings. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1011 | The volumes to be connected as an expanded LU extend across different CU numbers. | Contact the Support Center. |
| 1005,1011 | The volumes to be connected as an expanded LU extend across different CU numbers. | |
| 3,1012 | An LU path is set for the volumes to be connected as an expanded LU. | The configuration might be already changed. Revise the settings. |
| 1005,1012 | An LU path is set for the volumes to be connected as an expanded LU. | |
| 3,1013 | The emulation types of the volumes to be connected as an expanded LU are not the same. | When specifying volumes in a LUSE, you must use volumes with the same emulation type, size, and attributes (you cannot specify Normal Volume and Customized Volume together.). |
| 1005,1013 | The emulation types of the volumes to be connected as an expanded LU are not the same. | |
| 3,1015 | An LU path is set for the LUSE to be released. | Remove the path for the target volume before releasing the LUSE. |
| 1005,1015 | An LU path is set for the LUSE to be released. | |
| 3,1018 | A port specified as an element in the configuration change does not exist. | The specified port does not exist. You might have specified a port that has not been implemented, or an exclusive port for a mainframe. Revise the specified port. |
| 1005,1018 | A port specified as an element in the configuration change does not exist. | The specified port does not exist. You might have specified a port that has not been implemented, or an exclusive port for a mainframe. Revise the specified port. |
| 3,1020 | A LUN is invalid. (The specified value is outside the valid range.) | Revise the settings. |
| 1005,1020 | A LUN is invalid. (The specified value is outside the valid range.) | |
| 3,1021 | The specified volume does not exist. | The specified volume (CU number : LDEV number) does not exist. You might have specified a volume that has not been implemented, or an exclusive volume for a mainframe. Revise the specified volume. |
| 1005,1021 | The specified volume does not exist. | |
| 3,1022 | The host mode is invalid. | Revise the settings. |
| 1005,1022 | The host mode is invalid. | |
| 3,1023 | The fibre address is incorrect. | None. |
| 1005,1023 | The fibre address is incorrect. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1024 | Invalid fiber topology information has been specified. (The specified value is outside the valid range.) | Revise the settings. |
| 1005,1024 | Invalid fiber topology information has been specified. (The specified value is outside the valid range.) | |
| 3,1025 | The specified LU path does not exist. | The configuration might be already changed. Revise the settings. |
| 1005,1025 | The specified LU path does not exist. | |
| 3,1027 | The specified value in the command device settings is invalid. (The specified value is outside the valid range.) | Revise the settings. |
| 3,1028 | The number of volumes to be connected as an expanded LU exceeded the maximum value 36. | The configuration might be already changed. Revise the settings. |
| 1005,1028 | The number of volumes to be connected as an expanded LU exceeded the maximum value 36. | |
| 3,1029 | The size of the volumes to be connected as an expanded LU are not the same. Alternatively, you have tried to connect the combination of a customized volume and normal volume. | When specifying volumes in a LUSE, you must use volumes with the same emulation type, size, and attributes (you cannot specify Normal Volume and Customized Volume together.). |
| 3,1031 | The area specified in Cache Residency exceeds the volume size. | Revise the settings. |
| 3,1032 | The specified extent exceeds the size that can be specified. | Specify a smaller extent, and then respecify the setting. |
| 3,1033 | A mainframe volume is specified in an instruction for the entire Cache Residency volume. | Revise the settings. |
| 3,1034 | The method of specifying the Cache Residency setting area and the volume type do not match. (An LBA number is specified for a mainframe volume. Alternatively, a cylinder number and header number are specified for an open-systems volume.) | |
| 3,1035 | The SSIDs are not defined. If this problem persists, call the Support Center. | None. |
| 3,1036 | The specified size of the CV is outside the valid range. (It is smaller than the minimum size, or is larger than the maximum.) | The size of the CV is outside the valid range. (It is smaller than the minimum size, or is larger than the maximum.) If this problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1037 | There is not enough space left in the logical parity group to create a CV. | Specify the value considering that the number of LDEVs that can be stored in a logical parity group varies depending on the drive type and RAID type. For more details, contact the Support Center. |
| 3,1038 | The specified emulation types for the CV cannot be used together, or are not supported. | Since each emulation type has a different definition, contact the Support Center for more details. |
| 3,1039 | A VLL operation is being attempted for a volume with an LU path specified, an LU expanded volume, or a volume with LDEV Security specified. | Revise the target volume. |
| 3,1040 | When executing VLL (Volume Initialize), only Deleted Normal Volume information was specified. An internal logic error has occurred. | Contact the Support Center for more details. |
| 3,1041 | The CU number and LDEV number that were specified in the VLL operation have duplicated those of another volume. | None. |
| 3,1042 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | The Cache Residency pre-staging command was accepted, but the Cache Residency setting has not been made. Alternatively, the Cache Residency setting was made, but pre-staging is not set. Contact the Support Center. |
| 3,1043 | An instruction was issued to a logical parity group not installed by a VLL operation. Contact the Support Center. | Revise the settings. |
| 3,1044 | When executing a VLL operation (Volume Initialize), the number of volumes that should be returned to Normal Volume and the number of volumes requested in Volume Initialize were different. | |
| 3,1045 | The specified subsystem ID already exists. Specify another SSID. | |
| 3,1048 | The specified volume does not exist, or a delete request was issued to a volume without Cache Residency specified. | Revise the settings. |
| 3,1049 | When executing a VLL operation (Volume Initialize), a CV was not set in the target logical parity group. | |
| 3,1050 | A reserve volume of Volume Migration or Just-in-Time volume is included in the volumes to be combined into an expanded LU. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,1050 | A reserve volume of Volume Migration or Just-in-Time volume is included in the volumes to be combined into an expanded LU. | |
| 3,1051 | The emulation type is specified incorrectly in the VLL operation. | |
| *,1059 | A LUN Manager operation is being attempted for a non-Fibre port. | |
| 3,1059 | A LUN Manager operation is being attempted for a non-Fibre port. | |
| *,1061 | A LUN Manager operation is being attempted on a port for which the LUN Manager function is disabled. | Switch on the security. |
| 3,1061 | A LUN Manager operation is being attempted on a port for which the LUN Manager function is disabled. | |
| 3,1062 | A invalid volume emulation type or emulation type size was specified in the VLL operation (Install CV). The specified size of the volume does not correspond to the emulation type. | Specify the number of user-defined cylinders for mainframe volumes, and specify the user-defined size for open-systems volumes. |
| 3,1063 | The specified WWN is already in use. Specify another WWN. | Revise the settings. |
| 3,1064 | An attempt is being made to register an existing WWN. | The configuration might be already changed. Revise the settings. |
| 1005,1064 | An attempt is being made to register an existing WWN. | |
| 5305,1064 | The specified WWN is already in use. Specify another WWN. | Revise the settings. |
| 3,1065 | An attempt is being made to register an existing WWN nickname or an existing host group nickname. The WWN nickname or host group nickname must be unique. | |
| 1005,1065 | An attempt is being made to register an existing WWN nickname or an existing host group nickname. The WWN nickname or host group nickname must be unique. | |
| 3,1066 | An unregistered WWN number was specified at the time of deletion or modification. | The configuration might be already changed. Revise the settings. |
| 1005,1066 | An unregistered WWN number was specified at the time of deletion or modification. | |
| 3,1067 | An attempt is being made to register an existing host group number. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,1067 | An attempt is being made to register an existing host group number. | |
| 3,1068 | An unregistered host group was specified at the time of deletion or modification. | |
| 1005,1068 | An unregistered host group was specified at the time of deletion or modification. | |
| 3,1074 | The CU specified in the VLL operation (Install CV) is invalid. | Revise the settings. |
| 3,1075 | Different types of VLL operations (Volume Initialize, Install CV, or Volume to Space) have been specified in a single request to set the configuration information. | Specify one type of VLL operation in a single request. |
| 5205,1076 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | Check the status of the specified volume. |
| 5205,1077 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | |
| 5205,1078 | The specified volume is a LUSE volume, so you cannot change it to a reserve volume. | |
| 5205,1079 | The volume specified as a reserve volume has the Cache Residency setting. | Release the Cache Residency setting from the specified volume. |
| 5205,1080 | The specified volume is not available. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1081 | The specified volume is a command device. | Release the command device, or select another volume. |
| 5205,1082 | The specified volume is not implemented. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1083 | The specified volume is already specified as a reserve volume. | |
| 5205,1084 | There is no allocatable reserved volume. | Set the reserve volume, and then re-execute. |
| 5205,1085 | The specified volume is already being used by Volume Migration. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1086 | The RAID level of the target volume is not supported. | Check the microcode version, and contact the Support Center. |
| 5205,1087 | The HDEV specified as a reserve volume is a NAS system volume. | Check the status of the selected volume. |
| 5205,1088 | The specified destination volume is a NAS system volume. | Check the status of the selected volume. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,1094 | The volume is not a reserved volume. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1095 | The number of volumes exceeds the maximum. | |
| 5205,1096 | The specified volume is already in use by a host or remote copy. | |
| 3,1101 | A VLL operation was requested for a volume that has not been implemented. | Revise the settings. |
| 3,1102 | A volume initialization operation cannot include the last LDEV in a parity group. | Further reduction is not possible because at least one LDEV is required in a parity group. Revise the specified contents. |
| 3,1103 | A VLL operation has been specified on a parity group that has not been implemented. | Revise the settings. |
| 3,1104 | You are trying to set a subsystem ID without a VLL operation. | Issue a request to change the subsystem ID when a VLL operation is performed. |
| 3,1105 | The maximum number of LDEVs that can be created in an array group has been reached. | To create an LDEV, first delete an unnecessary LDEV, or specify another array group. |
| 3,1108 | A command device setting cannot be requested for the following volumes: 1. Reserved volume of Volume Migration 2. Just-in-Time volumes 3. Volumes other than open-systems volumes (including uninstalled volumes). | Revise the volume for which the command device is set. |
| 1005,1108 | A command device setting cannot be requested for the following volumes: 1. Reserved volume of Volume Migration 2. Just-in-Time volumes 3. Volumes other than open-systems volumes (including uninstalled volumes). | |
| 5205,1109 | The selected volume or combination is not supported by Volume Migration. | Re-execute. If the same result occurs, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1110 | Unusable characters were specified in the nickname to be used in HOST GROUP and WWN. A nickname must not start or end with a space character, and must not contain the following characters: \ / : , ; * ? " < > \| . | None. |
| 1005,1110 | Unusable characters were specified in the nickname to be used in HOST GROUP and WWN. A nickname must not start or end with a space character, and must not contain the following characters: \ / : , ; * ? " < > \| . | |
| *,1111 | A nickname is not specified when the configuration change of LUN Manager is requested. | Make sure to specify a host group nickname. |
| 3,1113 | The selected CU:LDEV in the VLL operation to create a volume cannot be applied because it is being used by HPAV. | Change the specified volume ID, or release the HPAV settings. |
| 3,1116 | A value was not registered at WWN registration, or 0 was set for the WWN value. | Make sure to specify the WWN value before issuing a request to change the configuration. |
| 1005,1116 | A value was not registered at WWN registration, or 0 was set for the WWN value. | |
| 5205,1117 | The specified volume is already being used in concurrent copying. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1118 | The specified volume is already being used in concurrent copying. | |
| 5205,1119 | The specified volume is already being used in concurrent copying. | |
| 5205,1120 | The specified volume is already being used by HXRC. | |
| 5205,1121 | The specified volume is already being used by HXRC. | |
| 5205,1122 | The specified volume is already being used by HXRC. | |
| 3,1123 | You have requested to set the command device security, but the command device has not been set for the target volume. | The configuration might be already changed. Revise the settings. You need to set the command device for the volume before or at the same time you set the command device security. |
| 1005,1123 | You have requested to set the command device security, but the command device has not been set for the target volume. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1124 | The setting method of the command device/command device security is incorrect. The following settings are invalid. 1. Set command device + Release command device security 2. Release command device + Set command device security | Revise the settings. |
| 3,1125 | No host groups are available to register the WWN. | The configuration might be already changed. Revise the settings. |
| 1005,1125 | No host groups are available to register the WWN. | |
| 3,1126 | The command device cannot be set within a LUSE volume. Select another volume. | Revise the settings. |
| 1005,1126 | The command device cannot be set within a LUSE volume. Select another volume. | |
| 3,1127 | The CHA high-speed mode is specified for an unmounted CHA. | Revise the channel package. |
| 1005,1127 | The CHA high-speed mode is specified for an unmounted CHA. | |
| 3,1128 | Channel speed change was requested, but the specified CHA does not support Fibre PCB. | Revise the channel package. |
| 1005,1128 | Channel speed change was requested, but the specified CHA does not support Fibre PCB. | |
| 3,1129 | When registering the WWN in the LUN Manager operation, the number of WWNs exceeded the maximum value of 255. | Revise the settings. |
| *,1130 | When registering the host group nickname and the WWN nickname, you specified an invalid nickname. (xx-G00: xx is a port name, such as 1A, 1B.) | A default nickname cannot be specified in a LUN Manager operation. Revise the settings. |
| 3,1131 | When setting the host group in an add, change, or delete operation, you specified a value larger than the maximum value (0 to 127) allowed for the port. | The configuration might be already changed. Revise the settings. |
| 1005,1131 | When setting the host group in an add, change, or delete operation, you specified a value larger than the maximum value (0 to 127) allowed for the port. | |
| 3,1132 | When setting the WWN in an add or change operation, you specified a value larger than the maximum value (0 to 254) allowed for the port. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,1132 | When setting the WWN in an add or change operation, you specified a value larger than the maximum value (0 to 254) allowed for the port. | |
| 3,1133 | When setting the host mode, you specified a value for the host group ID larger than the maximum value allowed for the port. | |
| 1005,1133 | When setting the host mode, you specified a value for the host group ID larger than the maximum value allowed for the port. | |
| 3,1134 | When setting the path in an add or change operation, you specified a value larger than the maximum value allowed for the port. (When Security Switch is OFF: 256, When Security Switch is ON: 512) | |
| 1005,1134 | When setting the path in an add or change operation, you specified a value larger than the maximum value allowed for the port. (When Security Switch is OFF: 256, When Security Switch is ON: 512) | |
| 3,1135 | When setting port information (Fibre Address, Fibre Topology, or Channel Speed), you specified more than one instruction to make changes to the same port. | Multiple configurations are specified for the port for which you attempted to change the configurations. Revise the settings. |
| 1005,1135 | When setting port information (Fibre Address, Fibre Topology, or Channel Speed), you specified more than one instruction to make changes to the same port. | Multiple configurations are specified for the port for which you attempted to change the configurations. Revise the settings. |
| 3,1136 | When setting the CHA high-speed mode, you specified more than one instruction to make changes to the same port. | Revise the settings. |
| 1005,1136 | When setting the CHA high-speed mode, you specified more than one instruction to make changes to the same port. | |
| 3,1137 | When setting LUSE, the maximum number of instructions that can be set by the DKC was exceeded. | The configuration might be already changed. Revise the settings. |
| 1005,1137 | When setting LUSE, the maximum number of instructions that can be set by the DKC was exceeded. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1138 | The same setting exists for the LUNM function. | None. |
| 1005,1138 | The same setting exists for the LUNM function. | |
| 3,1140 | Changes cannot be made because the port group settings are already made. Delete the port group settings. | Release the port group setting. |
| 100,1140 | Changes cannot be made because the port group settings are already made. Delete the port group settings. | |
| 3,1141 | Now processing. Wait a while, and then re-execute. | Wait a while, and then log in again. Retry the same operation several times. If the same result occurs, contact the Support Center. |
| 3,1145 | An attempt was made to change the setting of the fibre address, the topology, the channel speed, the security switch, or the port attribute (the initiator or the target) of a NAS port. Check the setting. | None. |
| 1005,1145 | An attempt was made to change the setting of the fibre address, the topology, the channel speed, the security switch, or the port attribute (the initiator or the target) of a NAS port. Check the setting. | |
| 3,1146 | You cannot add the path to the NAS system user group because system LU is not set. Set system LU in SVP. | |
| 1005,1146 | You cannot add the path to the NAS system user group because system LU is not set. Set system LU in SVP. | |
| 3,1147 | An attempt was made to add a path to the LDEV defined for the NAS system LU. | |
| 1005,1147 | An attempt was made to add a path to the LDEV defined for the NAS system LU. | None. |
| 3,1148 | The intermediate volume was specified as the user LU for NAS system. | |
| 1005,1148 | The intermediate volume was specified as the user LU for NAS system. | |
| 3,1149 | An attempt was made to set (add/delete) a path to the NAS system LU group. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,1149 | An attempt was made to set (add/delete) a path to the NAS system LU group. | |
| 3,1150 | The CMDDEV for the LDEV defined for the NAS system LU was specified. | |
| 1005,1150 | The CMDDEV for the LDEV defined for the NAS system LU was specified. | |
| 3,1151 | An attempt was made to change the speed mode by specifying the package (CHA) for NAS. | |
| 1005,1151 | An attempt was made to change the speed mode by specifying the package (CHA) for NAS. | |
| 3,1170 | When you configure a volume as a command device, the volume must meet the following conditions:<br>▪ The volume has the Read/Write attribute.<br>▪ The volume is usable as an S-VOL (secondary volume). | Correct the settings, then re-execute. |
| 1005,1170 | When you configure a volume as a command device, the volume must meet the following conditions:<br>▪ The volume has the Read/Write attribute.<br>▪ The volume is usable as an S-VOL (secondary volume). | |
| 3,1171 | This LU cannot be combined into or released from a LUSE volume because it is not a Read/Write-enabled volume that is also usable as an S-VOL (secondary volume). | |
| 1005,1171 | This LU cannot be combined into or released from a LUSE volume because it is not a Read/Write-enabled volume that is also usable as an S-VOL (secondary volume). | |
| 3,1172 | The LUs cannot be combined or released because the volumes do not have the Read/Write attribute. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,1172 | The LUs cannot be combined or released because the volumes do not have the Read/Write attribute. | Correct the settings, then re-execute. |
| 3,1173 | The maximum number of hosts that can be set for a port was exceeded. | |
| 3,1174 | The specified host ID is already registered. | |
| 1005,1174 | The specified host ID is already registered. | |
| 3,1175 | Fibre port settings cannot be made for an iSCSI port. | Revise the settings. |
| 3,1176 | The high-speed mode cannot be set for iSCSI packages. | |
| 3,1177 | The specified host is already registered. | |
| 1005,1177 | The specified host is already registered. | |
| 3,1178 | An invalid host name was specified. | |
| 1005,1178 | An invalid host name was specified. | |
| 3,1179 | A non-registered host was specified. | |
| 3,1180 | The system LU specification and another LU specification was executed in a single PDU. | None. |
| 1005,1180 | The system LU specification and another LU specification was executed in a single PDU. | |
| 3,1181 | The specified path cannot be added because the volume is used by a Remote Copy pair. | Revise the settings. |
| 1005,1181 | The specified path cannot be added because the volume is used by a Remote Copy pair. | |
| 3,1182 | An attempt was made to set at least 60TB for the LUSE setting. Revise the setting. | None. |
| 1005,1182 | An attempt was made to set at least 60TB for the LUSE setting. Revise the setting. | |
| 3,1183 | The port information does not match the PCB mode. | |
| 4,1183 | The port information does not match the PCB mode. | |
| 1005,1183 | The port information does not match the PCB mode. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,1184 | The port information does not match the PCB mode. | |
| 3,1185 | In a connection operation that includes a LUSE, an attempt was made to insert an LDEV number. (The LDEV number was specified in a format that inserted it in the numbers of the LDEVs included in the LUSE.) | If this problem persists contact the Support Center. |
| 1005,1185 | In a connection operation that includes a LUSE, an attempt was made to insert an LDEV number. (The LDEV number was specified in a format that inserted it in the numbers of the LDEVs included in the LUSE.) | |
| 3,1186 | A path setting other than top path was made in a connection operation including a LUSE. | |
| 1005,1186 | A path setting other than top path was made in a connection operation including a LUSE. | |
| 3,1187 | Expansion of the LU is not possible because the host mode of the host group having the path to the target LU is "LUSE On". | |
| 1005,1187 | Expansion of the LU is not possible because the host mode of the host group having the path to the target LU is "LUSE On". | |
| 3,1188 | You cannot delete the LU because NAS OS is currently using the System LU. Check the setting. | None. |
| 1005,1188 | You cannot delete the LU because NAS OS is currently using the System LU. Check the setting. | |
| 3,1189 | The specified user LU cannot be deleted because the user LU is being used by the NAS system package. To delete the user LU, delete the file system configured in the LU. | Delete the file system configured on the LU set for the user LUN to be deleted, and then re-execute. |
| 1005,1189 | The specified user LU cannot be deleted because the user LU is being used by the NAS system package. To delete the user LU, delete the file system configured in the LU. | |
| 3,1190 | When you define a path from a NAS system port or an iSCSI port to a volume, the volume must meet the following conditions: 1) The volume has the Read/Write attribute, 2) The volume is usable as an S-VOL (secondary volume). | Revise the settings. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,1190 | When you define a path from a NAS system port or an iSCSI port to a volume, the volume must meet the following conditions: 1) The volume has the Read/Write attribute, 2) The volume is usable as an S-VOL (secondary volume). | Revise the settings. |
| 3,1192 | Command device settings cannot be made for a volume to which a path from an iSCSI port is defined. Also, you cannot define paths from iSCSI ports to command devices. | |
| 3,1193 | Paths cannot be added to TrueCopy, ShadowImage, or Cross-system Copy pair volumes. | |
| 3,1194 | Port information about external ports cannot be changed. | |
| 1005,1194 | Port information about external ports cannot be changed. | |
| 3,1195 | Cross-system Copy LUs cannot be used as command devices. | |
| 1005,1195 | Cross-system Copy LUs cannot be used as command devices. | |
| 3,1196 | A LUSE volume cannot be created by concatenating LUs and Cross-system Copy LUs. | |
| 1005,1196 | A LUSE volume cannot be created by concatenating LUs and Cross-system Copy LUs. | |
| 3,1197 | The high-speed mode cannot be specified for a package including an external port. | |
| 1005,1197 | The high-speed mode cannot be specified for a package including an external port. | |
| 3,1198 | The high-speed mode cannot be specified because a path is defined for a Cross-system Copy LU. | |
| 1005,1198 | The high-speed mode cannot be specified because a path is defined for a Cross-system Copy LU. | |
| 3,1199 | When defining paths from iSCSI ports, you can only define paths to open-systems volumes. | |
| 1005,1199 | The path cannot be set for the specified volume because the volume is not an open-systems volume. | None. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1201 | The selection of High Speed mode/MIX mode is invalid. The specified port cannot be changed to High Speed mode/MIX mode. | Revise the settings. |
| 1005,1201 | The selection of High Speed mode/MIX mode is invalid. The specified port cannot be changed to High Speed mode/MIX mode. | |
| 3,1203 | High Speed mode/MIX mode was specified. However, there are addresses to which High Speed mode/MIX mode cannot be set in the Fibre Addresses of the specified ports. | |
| 1005,1203 | High Speed mode/MIX mode was specified. However, there are addresses to which High Speed mode/MIX mode cannot be set in the Fibre Addresses of the specified ports. | |
| 3,1204 | High Speed mode/MIX mode was specified. However, there are topologies to which High Speed mode/MIX mode cannot be set in the topologies of the specified ports. | |
| 1005,1204 | High Speed mode/MIX mode was specified. However, there are topologies to which High Speed mode/MIX mode cannot be set in the topologies of the specified ports. | |
| 5205,1207 | The volume types do not match. | Re-execute the same operation. If the same result occurs, contact the Support Center. |
| 5205,1208 | The selected volume or combination is not supported by Volume Migration. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1209 | The specified volume or combination is not supported by Volume Migration. | |
| 5205,1210 | The number of target volumes that could be executed at one time exceeds the maximum. | |
| 5205,1211 | The number of volume pairs exceeds the maximum. | |
| 5205,1212 | The specified volume is not implemented. | |
| 5205,1213 | The specified volume cannot be used. | |
| 5205,1214 | The specified volume is being formatted. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,1215 | The specified volume is a command device. | |
| 5205,1216 | The specified volume is not implemented. | |
| 5205,1217 | The specified volume cannot be used. | |
| 5205,1218 | The specified volume is being formatted. | |
| 5205,1219 | The specified volume is a command device. | |
| 5205,1220 | The specified volume is not a reserved volume. | |
| 5205,1221 | The specified volume is already being used by Volume Migration. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1222 | The number of ShadowImage, ShadowImage z/OS, or FlashCopy Mirror pair volumes reached the maximum. | None. |
| 5205,1223 | The specified volume is already being used by Volume Migration. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1224 | The specified volume is already being used by Volume Migration. | |
| 5205,1225 | The selected source volume and destination volumes are the same volume. | |
| 5205,1226 | The specified volume is already being used by Remote Copy. | |
| 5205,1227 | The specified volume is already being used by Remote Copy. | |
| 5205,1228 | The RAID level of the target volume is not supported. | |
| 5205,1229 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | Check the status of the selected volume. |
| 5205,1230 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | |
| 5205,1231 | The specified volume is already being used by data migration. | Release the data migration settings. |
| 5205,1232 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | Check the status of the selected volume. |
| 5205,1233 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | |
| 5205,1234 | The specified volume is already in use by a host or remote copy. | None. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,1235 | The specified volume is already being used by Remote Copy. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1236 | The RAID level of the specified volume is not supported. | |
| 5205,1237 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | Check the status of the selected volume. |
| 5205,1238 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | |
| 5205,1239 | The specified volume is already being used by data migration. | Release the data migration settings. |
| 5205,1240 | The specified volume is already being used by ShadowImage or FlashCopy Mirror. | Check the status of the selected volume. |
| 5205,1241 | The specified migration source volume has a Cache Residency setting. | Re-execute. If the same result occurs, contact the Support Center. |
| 5205,1242 | The specified migration destination volume has a Cache Residency setting. | |
| 5205,1243 | The specified volume is not the source volume. | |
| 5205,1246 | The number of plans that can be executed simultaneously exceeds the maximum. | |
| 5205,1247 | The specified volume is already a source volume. | |
| 5205,1248 | The specified source or target volume is used as a Cross-system Copy volume. | |
| 5205,1249 | The volume specified as a reserved volume is used as a Cross-system Copy volume. | |
| 5205,1250 | The specified source volume is connected to an iSCSI port. | |
| 5205,1251 | The specified target volume is connected to an iSCSI port. | |
| 5205,1252 | The volume specified as a reserved volume is connected to an iSCSI port. | |
| 5205,1253 | The specified source volume is used as a Cross-system Copy volume. | |
| 5205,1254 | The specified target volume is used as a Cross-system Copy volume. | |
| 5205,1255 | The volume specified as a reserved volume is used as a Cross-system Copy volume. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5305,1258 | This port is not properly implemented. | |
| 3,1350 | The path to the initiator or external port cannot be added. | To add a path, change the attribute of the specified port to Target or RCU Target. |
| 1005,1350 | The path to the initiator or external port cannot be added. | |
| 3,1351 | The high-speed or initiator/external mix mode cannot be set to the specified port because of a port attribute. | None. |
| 1005,1351 | The high-speed or initiator/external mix mode cannot be set to the specified port because of a port attribute. | |
| 3,1352 | Logical paths remain on the Fibre-MCU port. This operation may cause fatal damage to the logical paths. Stop this operation. If you want to continue this operation, remove the logical paths from the MCU port first. | Since the port you are trying to set up is for Fibre TrueCopy, you need to delete the logical path, and then perform setup. |
| 1005,1352 | Logical paths remain on the Fibre-MCU port. This operation may cause fatal damage to the logical paths. Stop this operation. If you want to continue this operation, remove the logical paths from the MCU port first. | |
| 3,1353 | S-VOLs remain on the Fibre-RCU port. This operation may cause fatal damage to S-VOLs. Stop this operation. If you want to continue this operation, remove the S-VOLs from the RCU port first. | Since the port you are trying to set up is for Fibre TrueCopy, you need to delete the S-VOL logical path set for RCU Target, and then perform setup. |
| 1005,1353 | S-VOLs remain on the Fibre-RCU port. This operation may cause fatal damage to S-VOLs. Stop this operation. If you want to continue this operation, remove the S-VOLs from the RCU port first. | |
| 3,1354 | The WWN to the initiator or external port cannot be registered. | To register the WWN, change the attribute of the specified port to Target or RCU Target. |
| 1005,1354 | The WWN to the initiator or external port cannot be registered. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1355 | The host mode of the host group that you connected to the initiator or external port cannot be changed. | To change the host mode, change the attribute of the specified port to Target or RCU Target. |
| 1005,1355 | The host mode of the host group that you connected to the initiator or external port cannot be changed. | |
| 3,1356 | The host group cannot be added to the initiator or external port. | To add the host group, change the attribute of the specified port to Target or RCU Target. |
| 1005,1356 | The host group cannot be added to the initiator or external port. | |
| 3,1357 | Change is not possible because logical paths remain on the RCU target port. | The specified port is for Fibre TrueCopy. Delete the logical path, and then set up the port. |
| 1005,1357 | Change is not possible because logical paths remain on the RCU target port. | |
| 3,1358 | Cache Residency cannot be set for this volume because the IO Suppression mode is set to Enable. | Change the IO Suppression mode of this volume to Disable, and then retry the operation. |
| 3,1359 | Cache Residency cannot be set for this volume because the Cache mode is set to Disable. | Change the Cache mode of this volume to Enable, and then retry the operation. |
| 3,1360 | The system LU cannot be defined for a cross-system copy volume. | None. |
| 1005,1360 | The system LU cannot be defined for a cross-system copy volume. | |
| 3,1361 | The number of user LU settings exceeded the maximum. | |
| 1005,1361 | The number of user LU settings exceeded the maximum. | |
| 3,1362 | The LUSE volume cannot be set because the cross-system copy volumes do not have the same I/O suppression mode and the same cache mode. | |
| 1005,1362 | The LUSE volume cannot be set because the cross-system copy volumes do not have the same I/O suppression mode and the same cache mode. | |
| 3,1363 | Paths cannot be added to Journal volumes. | |
| 1005,1363 | Paths cannot be added to Journal volumes. | |
| 3,1364 | The port type is incorrect. | |
| 1005,1364 | The port type is incorrect. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1365 | The LUSE volume cannot be configured because external volumes of different drive types (normal, SATA) cannot be mixed. | |
| 1005,1365 | The LUSE volume cannot be configured because external volumes of different drive types (normal, SATA) cannot be mixed. | |
| 3,1367 | The host mode "4C" is specified for a host group connected to a volume that cannot be used for Universal Volume Manager. | |
| 1005,1367 | The host mode "4C" is specified for a host group connected to a volume that cannot be used for Universal Volume Manager. | |
| 3,1368 | The host mode "4C" can only be used with Universal Volume Manager volumes. | |
| 1005,1368 | The host mode "4C" can only be used with Universal Volume Manager volumes. | |
| 3,1600 | The PP (program product) cannot be installed because LUN Manager functionality is required. Alternatively, the PP cannot be used because it has expired. | Install the required PP (Program Product). (Since there are 3 types of PP licenses, a different type of license might not be able to be installed after a given license expires). |
| 1005,1600 | The PP (program product) cannot be installed because LUN Manager functionality is required. Alternatively, the PP cannot be used because it has expired. | Install the required PP (Program Product). (Since there are 3 types of PP licenses, a different type of license might not be able to be installed after a given license expires). |
| 3,1601 | The PP (program product) has not been installed to use OPEN Volume Management functionality. Alternatively, the PP cannot be used because it has expired. | |
| 1005,1601 | The PP (program product) has not been installed to use OPEN Volume Management functionality. Alternatively, the PP cannot be used because it has expired. | |
| 3,1602 | The PP (program product) has not been installed to use VLL functionality. Alternatively, the PP cannot be used because it has expired. | |
| 3,1603 | The PP (program product) has not been installed to use Cache Residency functionality. Alternatively, the PP cannot be used because it has expired. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1604 | This functionality is not available. Cache Residency z/OS is required. | None. |
| 5205,1606 | The program product Volume Migration has not been installed. | Install the required PP (Program Product). |
| 5205,1607 | Volume Security is already set for the specified volume. | None. |
| 5205,1608 | Volume Security is already set for the specified volume. | |
| 5205,1609 | Volume Retention Manager is already set for the specified volume. | |
| 5205,1610 | Volume Retention Manager is already set for the specified volume. | |
| 5205,1611 | Read Only, Protect, or S-VOL Disable has been set for the Data Retention of the specified volume. | |
| 5205,1612 | Read Only, Protect, or S-VOL Disable has been set for the Data Retention of the specified volume. | |
| 3,1900 | Maintenance operations by the SVP are being performed. Wait for the maintenance to finish, and then retry the operation. | Wait a while, and then re-execute. |
| 3,1901 | You cannot make Cache Residency settings for Cross-system Copy LUs. | Revise the settings. |
| 3,1904 | The specified volume cannot be assigned as a LUSE volume or a command device and the path cannot be set, because the specified volume is being used as a data pool volume | None. |
| 105,1904 | The specified volume cannot be assigned as a LUSE volume or a command device and the path cannot be set, because the specified volume is being used as a data pool volume | |
| 605,1904 | The specified volume cannot be assigned as a LUSE volume or a command device and the path cannot be set, because the specified volume is being used as a data pool volume | |
| 1005,1904 | The specified volume cannot be assigned as a LUSE volume or a command device and the path cannot be set, because the specified volume is being used as a data pool volume | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1905 | There are both V-VOLs and non-V-VOLs among the volumes specified to configure the LUSE volume. | |
| 105,1905 | There are both V-VOLs and non-V-VOLs among the volumes specified to configure the LUSE volume. | |
| 605,1905 | There are both V-VOLs and non-V-VOLs among the volumes specified to configure the LUSE volume. | |
| 1005,1905 | There are both V-VOLs and non-V-VOLs among the volumes specified to configure the LUSE volume. | |
| 3,1906 | The specified volume cannot be set as a command device because it is being used as a V-VOL. | |
| 105,1906 | The specified volume cannot be set as a command device because it is being used as a V-VOL. | |
| 605,1906 | The specified volume cannot be set as a command device because it is being used as a V-VOL. | |
| 1005,1906 | The specified volume cannot be set as a command device because it is being used as a V-VOL. | |
| 3,1910 | The specified volume contains a COW Snapshot pair. | |
| 105,1910 | The specified volume contains a COW Snapshot pair. | |
| 3,1911 | The specified volume contains a data pool volume. | |
| 105,1911 | The specified volume contains a data pool volume. | None. |
| 3,1912 | A command device setting or command device security setting cannot be set or released because the specified volume is a remote command device. | |
| 1005,1912 | A command device setting or command device security setting cannot be set or released because the specified volume is a remote command device. | |
| 3,1913 | The setting cannot be made because the specified LDEV is a remote command device. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1914 | The number of virtual volumes has exceeded the maximum number that can be set in a disk subsystem. | |
| 3,1915 | The specified LDEV number is incorrect. An LDEV number of a CU group that is not set in CHA cannot be specified. | |
| 3,1916 | Volumes in the same parity group cannot be set across multiple CU groups. | |
| 3,1917 | Volumes in CLPR cannot be set across multiple CU groups. | |
| 1005,1918 | An external volume is mapped to the target external port. Delete the external volume that is mapped to the target external port, and then retry the operation. | |
| 3,1919 | The newly added LDEV has not been formatted. The LDEV remains blocked. If you continue this operation, the LDEV cannot be referred from the host. Be sure to format the LDEV. | |
| 1005,1920 | The path definition between a NAS cluster and LDEV is incorrect. - The same LDEV is specified in different NAS clusters. - In the CHN pair of the same NAS cluster, different LUNs are specified for the same LDEV. | |
| 1005,1921 | The specified volume is not an LUSE volume. | |
| 1005,1922 | LDEVs that are not normal are included in the component of a LUSE volume. | None. |
| *,2002 | An attempt to connect the communication between DKCs (SVP) has failed. | Revise the LAN settings. If the same problem occurs after revising the settings, contact the Support Center. |
| 3,2003 | An attempt to retrieve the configuration information from the DKC (SVP) has failed. | From the SVP, make sure that the status of the DKC is normal. If the problem persists after checking the status, contact the Support Center. |
| 5205,2003 | An internal process is being executed, or maintenance is in progress. Wait a while, and then re-execute. | Make sure that a maintenance operation is not in progress, wait a while, and then re-execute. |
| 3,2004 | An attempt to load files necessary for application execution has failed. (Memory is insufficient or the necessary files do not exist.) | Since it is likely that there is insufficient memory, reboot the SVP, then retry. If the problem persists after revising the settings, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,2005 | The memory required for execution could not be reserved. | |
| 3,2009 | The SVP or DKC microcode cannot execute the request. (The version cannot execute the request.) If the same error occurs despite retrying, contact the Support Center. | Revise the versions of microcode in the SVP and DKC. If you cannot solve this problem, contact the Support Center. |
| 3,2010 | The LDEV is being used by the host, or an error occurred in the subsystem. Recovery processing may take about one minute. Wait a while, and then try again. | Check if the host is performing I/O operations on the target path or volume. |
| 1005,2010 | The LDEV is being used by the host, or an error occurred in the subsystem. Recovery processing may take about one minute. Wait a while, and then try again. | |
| *,2011 | There may be a blocked component. Contact the Support Center. | Check the DKC status (for blockage). If this problem persists, contact the Support Center. |
| 2,2011 | The subsystem configuration is invalid. Contact the Support Center. | Contact the Support Center. |
| 3,2011 | Some of volumes may be blocked, or there may be a module in a status that requires maintenance (for example, a module is blocked, the shared memory is inconsistent, or some other factor). Check the status of the volumes. If the volumes are not blocked, call the Support Center. | None. |
| 3005,2011 | The subsystem requires maintenance (for a problem such as a blocked state, or inconsistent shared memory). Contact the Support Center. | None. |
| 3205,2011 | The disk subsystem requires maintenance (due to a problem such as a blockage or shared memory inconsistency). Contact the support center. | |
| 5205,2011 | The specified volume is already being used by remote copy. | Release the Remote Copy Pair. |
| 3,2012 | A port blockage error has occurred. Contact the Support Center. | Contact the Support Center. |
| 3,2013 | A download error has occurred. Contact the Support Center. | |
| 3,2014 | A port recovery error has occurred. Contact the Support Center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,2015 | A communication error occurred. If the same error occurs despite retrying, contact the Support Center. | A communication error occurred. Revise the LAN settings. If the same result occurs despite retrying, contact the Support Center. |
| 2,2015 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | Contact the Support Center. |
| 3005,2015 | An error occurred during communication with the subsystem. Wait for a while, and then retry the operation. | None. |
| 3205,2015 | An error occurred while connecting to the subsystem. Wait a while, and then try again. | None. |
| 2,2016 | The subsystem is refreshing, or some other user is changing the configuration. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| 3,2016 | An SNMP user or maintenance person is accessing the system in Modify mode. Wait a while, and then re-execute. | |
| 3,2017 | A network error was detected. The exclusive lock has been released. | Re-execute the request for starting an exclusive lock. |
| 3,2022 | The SVP and DKC are running VLL processing. Wait a while, and then re-issue the request to set the configuration information. | Wait a while, and then issue a request to change the configuration again. |
| 5205,2024 | The controller detected blocked hardware. | Contact the Support Center. |
| 5205,2025 | The controller detected blocked hardware. | |
| 5205,2026 | The controller detected blocked hardware. | |
| 5205,2027 | The controller detected blocked hardware. | |
| 5205,2028 | The controller detected blocked hardware. | |
| 5205,2029 | A data transfer failure was detected. | |
| 5205,2030 | A data transfer failure was detected. | |
| 3,2032 | Communication is busy. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| 1005,2032 | Communication is busy. Wait a while, and then re-execute. | |
| 3,2033 | Initial startup is being performed, or an internal refresh operation is in progress. | Wait a while, and then reissue the request to change the configuration. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,2080 | An attempt at pre-stage processing has failed. | Wait a while, click the Refresh button, and then make the same configuration change again. Alternatively, check the DKC status (if it is blocked). If the same result occurs, contact the Support Center. |
| 3,2081 | An error occurred during custom volume installation or uninstallation. Retry the operation. | If this problem persists, contact the Support Center. |
| 3,2082 | Processing is disabled because the host is mounted or the device is reserved. | The host is mounted or the device is reserved. Unmount the host and cancel reservation of the device. If the host is an AIX host, unmount the host, and then execute the varyoffvg command. |
| 1005,2082 | Processing is disabled because the host is mounted or the device is reserved. | |
| 3,2083 | An error occurred during the process to change the configuration on the DKC. | Check the DKC status and current configuration settings. If necessary, re-execute the setup operation. |
| 3,2084 | The result of changing the configuration is unknown. | |
| 3,2085 | An error was detected in the pre-check of the VLL operation. Copying is in progress for the TrueCopy, ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| 105,2085 | An error was detected in the pre-check of the VLL operation. Copying is in progress for the TrueCopy, ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs. Wait a while, and then re-execute. | |
| 605,2085 | Copying is in progress for Cross-system Copy pairs. Wait a while, and then re-execute. | |
| 3005,2085 | An error was detected in the pre-check of the VLL operation. Copying is in progress for the TrueCopy, ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs. Wait a while, and then re-execute. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3205,2085 | Copying is in progress for Remote Copy, ShadowImage, ShadowImage z/OS, Volume Migration, FlashCopy Mirror, COW SnapShot, or Cross-system Copy pairs. Wait a while, and then retry the operation. | None. |
| 3,2086 | The configuration of Remote Copy, ShadowImage, ShadowImage z/OS, Volume Migration, FlashCopy Mirror, COW SnapShot, or Cross-system Copy has been defined. Reset the configuration definition, and then retry the operation. | |
| 105,2086 | The configuration of Remote Copy, ShadowImage, ShadowImage z/OS, Volume Migration, FlashCopy Mirror, COW SnapShot, or Cross-system Copy has been defined. Reset the configuration definition, and then retry the operation. | |
| 605,2086 | The configuration of Cross-system Copy is defined. Reset the configuration definition, and then retry the operation. | Release the configuration definition, and then re-execute. |
| 3005,2086 | The configuration of Remote Copy, ShadowImage, ShadowImage z/OS, Volume Migration, FlashCopy Mirror, COW SnapShot, or Cross-system Copy has been defined. Reset the configuration definition, and then retry the operation. | None. |
| 3205,2086 | Remote Copy, ShadowImage, ShadowImage z/OS, Volume Migration, FlashCopy Mirror, COW SnapShot, or Cross-system Copy pair is defined. Release the pair definition, and then retry the operation. | None. |
| *,2087 | An error was detected in the pre-check of the VLL operation. Vary Online has been issued from the mainframe host to the DKC subsystem. Make the DKC subsystem offline from the mainframe host. | Make the DKC subsystem offline from the mainframe host. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,2087 | The subsystem is online to the mainframe host. Take the subsystem offline from the host. | None. |
| 3005,2087 | The subsystem is online to the mainframe host. Take the subsystem offline from the host. | |
| 3205,2087 | The system is varied online from the mainframe host. Perform a Vary Offline operation on the connected mainframe host. | |
| *,2088 | An error was detected in the pre-check of the VLL operation. TrueCopy is suspended. Add an alternative path. | Add an alternative path. |
| 3005,2088 | The Remote Copy pair is suspended. Add an alternative path. | None. |
| 3205,2088 | The Remote Copy pair is suspended. Add an alternate path. | |
| *,2089 | An error was detected in the pre-check of the VLL operation. The corresponding CHA might contain the last path between the MCU and RCU of remote copy. Make sure that there is an alternative path from the MCU. | Make sure that there is an alternative path from the MCU. |
| 3005,2089 | The target CHA might contain the last path between the MCU and RCU of Remote Copy. Make sure that there is an alternative path from the MCU. | None. |
| 3205,2089 | The corresponding CHA might contain the last path between the MCU and RCU of Remote Copy. Make sure that there is an alternative path from the MCU. | |
| 3,2090 | An error was detected in the pre-check of the VLL operation. The ShadowImage, FlashCopy Mirror, or Cross-system Copy settings exist. Either reset the settings or stop the I/O operations, and then retry the operation. | Release the ShadowImage, FlashCopy Mirror, or Cross-system Copy settings. Alternatively, stop the I/O operations, and then re-execute. |
| 105,2090 | An error was detected in the pre-check of the VLL operation. The ShadowImage, FlashCopy Mirror, or Cross-system Copy settings exist. Either reset the settings or stop the I/O operations, and then retry the operation. | Release the ShadowImage, FlashCopy Mirror, or Cross-system Copy settings. Alternatively, stop the I/O operations, and then re-execute. |
| 605,2090 | The Cross-system Copy settings exist. Either reset the settings or stop the I/O operations, and then retry the operation. | Either reset the settings or stop the I/O operations, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,2090 | ShadowImage, ShadowImage Mainframe, FlashCopy Mirror, or Cross-system Copy settings exist. Release the settings or stop the I/Os, and then retry the operation. | None. |
| *,2091 | An error was detected in the pre-check of the VLL operation. The backup server of ShadowImage or FlashCopy Mirror is running. Stop the backup server, and then retry. | Stop the backup server and then re-execute. |
| 3,2091 | The backup server of ShadowImage, ShadowImage z/OS, or FlashCopy Mirror is running. Stop the backup server, and then retry the operation. | None. |
| 605,2091 | The backup server of ShadowImage, ShadowImage z/OS, or FlashCopy Mirror is running. Stop the backup server, and then retry the operation. | |
| 3005,2091 | The backup server of ShadowImage, ShadowImage z/OS, or FlashCopy Mirror is running. Stop the backup server, and then retry the operation. | |
| 3205,2091 | The backup server of ShadowImage, ShadowImage z/OS, or FlashCopy Mirror is running. Stop the backup server, and then retry the operation. | |
| 3,2092 | Some ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs are included. Separate them. | Separate ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs. |
| 105,2092 | Some ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs are included. Separate them. | |
| 605,2092 | Some Cross-system Copy pairs are included. Separate them. | Split the Cross-system Copy pairs. |
| 3005,2092 | Some ShadowImage, ShadowImage Mainframe, FlashCopy Mirror, or Cross-system Copy pairs exist. Split these pairs. | None. |
| 3,2093 | An error was detected in the pre-check of the VLL operation. Some ShadowImage, FlashCopy Mirror, Cross-system Copy pairs are included. Resynchronize them. | Resynchronize the age, ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs. |
| 105,2093 | An error was detected in the pre-check of the VLL operation. Some ShadowImage, FlashCopy Mirror, Cross-system Copy pairs are included. Resynchronize them. | Resynchronize the age, ShadowImage, FlashCopy Mirror, or Cross-system Copy pairs. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,2093 | Some Cross-system Copy pairs are included. Resynchronize them. | Resynchronize the Cross-system Copy pairs. |
| 3005,2093 | Some ShadowImage, ShadowImage Mainframe, FlashCopy Mirror, or Cross-system Copy pairs exist. Resynchronize these pairs. | None. |
| 3,2094 | An error was detected in the pre-check of the VLL operation. Some ShadowImage, FlashCopy Mirror, and Cross-system Copy pairs are included. Change the status of their volumes to Simplex. | Change the status of the ShadowImage, FlashCopy Mirror, or Cross-system Copy volumes to Simplex. |
| 105,2094 | An error was detected in the pre-check of the VLL operation. Some ShadowImage, FlashCopy Mirror, and Cross-system Copy pairs are included. Change the status of their volumes to Simplex. | |
| 605,2094 | Some Cross-system Copy pairs are included. Change the status of their volumes to Simplex. | Change the status of the Cross-system Copy volumes to Simplex. |
| 3005,2094 | Some ShadowImage, ShadowImage Mainframe, FlashCopy Mirror, or Cross-system Copy pairs exist. Change their volumes to Simplex. | None. |
| *,2095 | An error was detected during the pre-check of the VLL operation. A maintenance operation is in progress (for example: 1) LDEV formatting is in progress, 2) correction copy is in progress, 3) drive copying is in progress, 4) the channel status is changing, 5) the cache status is changing, or 6) OEM drive micro conversion is in progress). | Wait a while, and then re-execute. |
| 3,2095 | A maintenance operation is in progress. For example: LDEV formatting is in progress. Correction Copy is in progress. Drive Copy is in progress. The CHA/DKA status is changing. The cache status is changing. Replacement of an OEM drive microprogram is in progress. LDEV Shredding is in progress. Extent Shredding is in progress. Therefore the specified operation cannot be executed. | None. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 105,2095 | A maintenance operation is in progress. For example: LDEV formatting is in progress. Correction Copy is in progress. Drive Copy is in progress. The CHA/DKA status is changing. The cache status is changing. Replacement of an OEM drive microprogram is in progress. LDEV Shredding is in progress. Extent Shredding is in progress. Therefore the specified operation cannot be executed. | None. |
| 3005,2095 | A maintenance operation is in progress. For example: LDEV formatting is in progress. Correction Copy is in progress. Drive Copy is in progress. The CHA/DKA status is changing. The cache status is changing. Replacement of an OEM drive microprogram is in progress. LDEV Shredding is in progress. Extent Shredding is in progress. Therefore the specified operation cannot be executed. | |
| 3205,2095 | Other maintenance processing or error processing is executing. | |
| 3,2096 | An error was detected during the pre-check of the VLL operation. The currently running microcode version does not support the specified operation. | Contact the Support Center. |
| 3,2097 | The host specified by the WWN is performing I/O operations. | Stop executing the I/O operations from the host, and then re-execute. |
| 1005,2097 | The host specified by the WWN is performing I/O operations. | |
| 3,2098 | The operation cannot be performed because the SVP microcode version does not match the DKCMAIN (subsystem) microcode version. | If this problem occurs no matter how many times the operation is retried, contact the Support Center. |
| 1005,2098 | The operation cannot be performed because the SVP microcode version does not match the DKCMAIN (subsystem) microcode version. | |
| 3,2099 | The operation cannot be performed because an inoperative MP exists. | Wait a while, and then re-execute. If the same result occurs, contact the Support Center. |
| 1005,2099 | The operation cannot be performed because an inoperative MP exists. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,2100 | An error occurred during communication with the disk subsystem. The configuration may be inconsistent. Click [Refresh All] and refresh the configuration. | None. |
| 1005,2100 | An error occurred during communication with the disk subsystem. The configuration may be inconsistent. Click [Refresh All] and refresh the configuration. | |
| 3,2106 | Maintenance personnel are accessing in the Modify mode. | Wait a while, and then re-execute. |
| *,2145 | A connection error has occurred. | Re-execute. If the same result occurs, contact the Support Center. |
| 3,2170 | Extended Copy Manager is running, but I/O operations might be in progress. Stop the I/O operations from the host. | Stop the host I/O operations. |
| 1005,2170 | Extended Copy Manager is running, but I/O operations might be in progress. Stop the I/O operations from the host. | |
| *,2200 | Concurrent copying or the Extended Remote Copy operation is in progress on the target volumes. Cancel the Concurrent copy job or delete a Extended Remote Copy pair via the host. | If a concurrent copy or Extended Remote Copy operation is in progress in the maintenance-target volume, cancel the concurrent copy job or delete the Extended Remote Copy pair via the host. If a concurrent copy or Extended Remote Copy operation is not in progress, issue the LISTSESS or LISTDVCS command to all the maintenance-target volumes, check the session ID number, and then use the TERMSESS command to end the session. |
| 3005,2200 | Concurrent Copy or XRC Replication is executing on the volumes to be maintained. Terminate the Concurrent Copy job or delete the XRC Replication pair from the host. | None. |
| 3205,2200 | Concurrent Copy or XRC Replication is currently executing on the maintenance-target volume. Cancel the Concurrent Copy job or delete the XRC Replication pair from the host. | |
| *,2201 | Processing cannot be performed because of the Data Retention settings. | Correct the settings, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,2201 | Processing cannot be performed because there are Data Retention settings. | None. |
| 3005,2202 | The specified volume cannot be processed due to the effect of the access attribute assigned by Volume Retention z/OS. | |
| 3005,2203 | Processing cannot be performed because of Volume Security settings. | |
| 3,2204 | Devices to be maintained include journal volumes. Delete or suspend all pairs belonging to journal volumes to be maintained. | |
| 3005,2204 | Devices to be maintained include journal volumes. Delete or suspend all pairs belonging to journal volumes to be maintained. | |
| 3,2205 | Devices to be maintained include journal volumes. Delete all pairs belonging to journal volumes to be maintained. | |
| 105,2205 | The devices to be maintained include journal volumes. Delete all the pairs that belong to the journal files to be maintained. | |
| 605,2205 | Journal volumes are included in the external volumes to be maintained. Delete the journal volumes to be maintained, and all the pairs that are using these journal volumes. | |
| 3005,2205 | Devices to be maintained include journal volumes. Delete all pairs belonging to journal volumes to be maintained. | |
| 3,2500 | Paths from NAS system or iSCSI ports to volumes that do not have the Read/Write attribute cannot be set. | Correct the settings, then re-execute. |
| 1005,2500 | Paths from NAS system or iSCSI ports to volumes that do not have the Read/Write attribute cannot be set. | |
| 3,2501 | The volume cannot be configured as a command device because the volume does not have the Read/Write attribute. | |
| 1005,2501 | The volume cannot be configured as a command device because the volume does not have the Read/Write attribute. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,2502 | The LUs cannot be combined or released because the volumes do not have the Read/Write attribute. | |
| 1005,2502 | The LUs cannot be combined or released because the volumes do not have the Read/Write attribute. | |
| 3,2503 | The LUs cannot be combined or released because the volumes do not have the Read/Write attribute. | |
| 1005,2503 | The LUs cannot be combined or released because the volumes do not have the Read/Write attribute. | |
| 3,2504 | No settings can be made because there is a volume reserved for RAID Manager. | None. |
| 1005,2504 | No settings can be made because there is a volume reserved for RAID Manager. | |
| 105,2511 | The restore operation failed because an LDEV format operation or shredding was not implemented for the specified LDEV. | |
| 105,2512 | The restore operation failed because the specified LDEV could not be accessed. Contact the Support Center. | |
| 3,2515 | One of the following is defined: a Remote Copy pair, a Universal Replicator pair, or a Universal Replicator z/OS pair. Alternatively, command devices defined by BC Manager are included. Cancel the pair definition or delete command devices defined by BC Manager, and then retry the operation. | |
| 105,2515 | One of the following is defined: a Remote Copy pair, a Universal Replicator pair, or a Universal Replicator z/OS pair. Alternatively, command devices defined by BC Manager are included. Cancel the pair definition or delete command devices defined by BC Manager, and then retry the operation. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,2515 | One of the following is defined: a Remote Copy pair, a Universal Replicator pair, or a Universal Replicator z/OS pair. Alternatively, command devices defined by BC Manager are included. Cancel the pair definition or delete command devices defined by BC Manager, and then retry the operation. | |
| 3,2516 | One of the following is defined: a Remote Copy pair, a Universal Replicator pair, or a Universal Replicator z/OS pair. Cancel the pair definition or suspend the pair, and then retry the operation. | |
| 105,2516 | One of the following is defined: a Remote Copy pair, a Universal Replicator pair, or a Universal Replicator z/OS pair. Cancel the pair definition or suspend the pair, and then retry the operation. | |
| 605,2516 | One of the following is defined: a Remote Copy pair, a Universal Replicator pair, or a Universal Replicator z/OS pair. Cancel the pair definition or suspend the pair, and then retry the operation. | |
| 3,2517 | One of the following is defined: a ShadowImage pair, a ShadowImage z/OS pair, a FlashCopy Mirror pair, or a Cross-system Copy pair. Cancel the pair definition, and then retry the operation. If the high-speed split mode is on, suspend the pair and then cancel the pair definition. | |
| 105,2517 | One of the following is defined: a ShadowImage pair, a ShadowImage z/OS pair, a FlashCopy Mirror pair, or a Cross-system Copy pair. Cancel the pair definition, and then retry the operation. If the high-speed split mode is on, suspend the pair and then cancel the pair definition. | |
| 605,2517 | A ShadowImage, ShadowImage z/OS, FlashCopy Mirror, Cross-system Copy, or COW SnapShot pair is defined. Cancel the pair definition, and then retry the operation. If the high-speed split mode is on, suspend the pair and then cancel the pair definition. | None. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,2518 | One of the following is defined: a ShadowImage pair, a ShadowImage z/OS pair, a FlashCopy Mirror pair, or a Cross-system Copy pair. Cancel the pair definition, and then retry the operation. If a reserve volume is defined, cancel the definition of the reserve volume. If the high-speed split mode is on, suspend the pair and then cancel the pair definition. | |
| 105,2518 | One of the following is defined: a ShadowImage pair, a ShadowImage z/OS pair, a FlashCopy Mirror pair, or a Cross-system Copy pair. Cancel the pair definition, and then retry the operation. If a reserve volume is defined, cancel the definition of the reserve volume. If the high-speed split mode is on, suspend the pair and then cancel the pair definition. | |
| 605,2518 | One of the following is defined: a ShadowImage pair, a ShadowImage z/OS pair, a FlashCopy Mirror pair, or a Cross-system Copy pair. Cancel the pair definition, and then retry the operation. If a reserve volume is defined, cancel the definition of the reserve volume. If the high-speed split mode is on, suspend the pair and then cancel the pair definition. | |
| 3,2519 | The volume is reserved by ShadowImage or ShadowImage z/OS. Cancel the definition of the reserve volume, and then retry the operation. | |
| 105,2519 | The volume is reserved by ShadowImage or ShadowImage z/OS. Cancel the definition of the reserve volume, and then retry the operation. | |
| 605,2519 | The volume is reserved by ShadowImage or ShadowImage z/OS. Cancel the definition of the reserve volume, and then retry the operation. | |
| 3,2520 | A Volume Migration pair is defined. Delete the pair definition, and then try again. | |
| 105,2520 | A Volume Migration pair is defined. Delete the pair definition, and then try again. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,2520 | A Volume Migration pair is defined. Delete the pair definition, and then try again. | |
| 3,2521 | A Volume Migration pair is defined. Delete the pair definition. Also, if a reserved-volume is defined, delete the reserved-volume definition, and then try again. | None. |
| 105,2521 | A Volume Migration pair is defined. Delete the pair definition. Also, if a reserved-volume is defined, delete the reserved-volume definition, and then try again. | |
| 605,2521 | A Volume Migration pair is defined. Delete the pair definition. Also, if a reserved-volume is defined, delete the reserved-volume definition, and then try again. | |
| 3,2522 | The volume is defined as a Volume Migration reserved-volume. Delete the reserved-volume definition, and then try again. | |
| 105,2522 | The volume is defined as a Volume Migration reserved-volume. Delete the reserved-volume definition, and then try again. | |
| 605,2522 | The volume is defined as a Volume Migration reserved-volume. Delete the reserved-volume definition, and then try again. | |
| 1,3000 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | This error status might remain internally in the health check function log after a forced release of the Modify mode, but this is not a problem. In other cases, contact the Support Center. |
| 3,3000 | An attempt to acquire an external function pointer required by the application has failed. Contact the Support Center. | Reboot the SVP, then retry. If the problem persists, contact the Support Center. |
| 1,3001 | The number of set operations exceeds the maximum (20000). | Reduce the number of Set operations, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,3001 | An attempt to acquire the external function pointer for obtaining trace information has failed. Contact the Support Center. | Reboot the SVP, then retry. If the problem persists, contact the Support Center. |
| *,3002 | An invalid interface was detected in the applications. Contact the Support Center. | |
| 1,3002 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | Reduce the number of set characters. |
| 3205,3003 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 3,3004 | The process to manage the configuration information has failed. Contact the Support Center. | The directory for MIB management information does not exist. Contact the Support Center. |
| 3,3005 | The process to manage the configuration information has failed. Contact the Support Center. | An attempt to write the MIB management information has failed. Contact the Support Center. |
| 3,3006 | A file access error occurred for the file required by the application. Contact the Support Center. | Contact the Support Center. |
| 3,3007 | An interface logical error was detected in the agent, or a non-registered error occurred. Contact the Support Center. | |
| 6,4000 | The subsystem configuration is invalid. Contact the Support Center. | |
| 6,4002 | There is no data in the authentication file, so login failed. | The authentication data must be registered. Contact the Support Center. |
| 1,4003 | Login failed. The entered user ID is invalid. | Enter the correct user ID, and then log on again. |
| 1,4004 | Login failed. The entered password is invalid. | Enter the correct password, and then log on again. |
| 1,4005 | The user name is already logged in. | Wait a while, and then re-execute. |
| 1,4011 | There is no RMI object or forced logoff was carried out. | Log on again. If this problem persists, increase the value of the RMI timeout period. |
| 1,4012 | The number of connections exceeds the maximum (32). | Wait a while, and then log on again. |
| 1,4013 | The subsystem configuration is invalid. Contact the Support Center. | An attempt to access the config file has failed. Contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1,4020 | A network error was detected, so the exclusive lock was forcibly released. | The lock was released. If necessary, re-execute the request for applying the exclusive lock. |
| 5305,5000 | A character in the WWN is invalid. Use 0-9, A-F, hyphens (-), and spaces. | Correct the settings, and then re-execute. |
| 3205,5013 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 5305,5018 | The entered value is invalid. Enter a valid value (0-65535). | Enter a correct value. |
| 2,5040 | The number of requests exceeds the maximum number that can be processed. Reduce the number of requests, and then retry the operation. | None. |
| 6505,5040 | Too many objects are specified. | Reduce the number of specified objects, and then retry the operation. |
| 9505,5041 | The maximum number of the initiators and the host groups is respectively 32 and 64 per port group. | Check the number of initiators and the host groups registered in the port group. |
| 405,5047 | An error occurred during installation/uninstallation. | If the same error occurs despite re-executing many times, contact the Support Center. |
| 405,5070 | The product name is different. Select the correct program product name. | Review the program product code, and then re-set. |
| 405,5071 | The license key cannot be installed. A Temporary key is installed. | Obtain the official license to use this software. |
| 405,5072 | The existing capacity of the licensed program product is invalid. | Obtain the appropriate license. |
| 6007,5074 | TrueCopy or TrueCopy Mainframe is not installed. | Install TrueCopy or TrueCopy Mainframe. |
| 405,5075 | This key code is invalid. | Make sure that the key code is correct. |
| 405,5076 | The serial number is invalid. Correct it. | Check the DKC Serial Number. |
| 405,5079 | This program product needs another DKC type. | Contact the Support Center. |
| 405,5080 | This program product cannot be changed. | |
| 405,5087 | This PP (program product) cannot be processed because an error occurred in another PP. | Specify a setting other than ALL Normal. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 507,5099 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 5305,5101 | The specified WWN is not registered. | Check the settings, and then re-execute. |
| *,5102 | The specified PPC group is not registered. | |
| 5305,5104 | The specified PPC group is already registered. | Check the specified contents, and then re-execute. |
| 5305,5105 | The specified port does not implement the WWN subject to monitoring. | |
| 5305,5106 | The target WWN is already registered as a target of monitoring in the specified port. | |
| 5305,5107 | The specified nickname is already used. | |
| 5305,5108 | The specified nickname is already used. | |
| 5305,5109 | The specified ports exceed the maximum number of WWN's subject to monitoring. | |
| 5305,5110 | The number of WWNs exceeds the max. that can be registered as monitoring targets. | |
| 5305,5111 | The number of WWNs that can be registered in the PPC group exceeds the maximum. | |
| 5305,5112 | The specified WWN belongs to the PPC group. | |
| 5305,5113 | The specified WWN belongs to the PPC group. | |
| 5305,5114 | The selected WWNs have different operating modes specified. | |
| 5307,5128 | The number of PPC groups that can be registered exceeds the maximum. | |
| 2,5130 | A sequence error occurred. Contact the Support Center. | Connection was terminated from the subsystem because of a network failure. Log on again. This error might remain internally in the unlock function log when the Exit button is clicked in View mode, but this should not be a problem. If it is a problem, contact the Support Center. |
| 1,5132 | A user with the same user ID is already logged on. | Log on with a different user ID. Also, there is a possibility that the previous termination process was performed incorrectly. After the RMI timeout (default = 1 min.), log on again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5,5200 | This function cannot be used. SNMP API is required. | Install the program product. |
| 5,5201 | This function cannot be used. Compatible PAV is required. | Install the program product. When releasing, install the emergency key first, and then release. |
| 5,5202 | This function cannot be used. Performance Monitor is required. | Install the program product. |
| 5,5203 | This function cannot be used. Volume Migration is required. | |
| 5,5204 | This function cannot be used. Performance Monitor is required. | |
| 1,5400 | Monitoring data cannot be acquired because the subsystem is busy. | Wait a while, and then re-execute. Alternatively, if other users have the Performance Monitor window open, or the Export Tool is executing, then: |
| 405,5501 | The extended time for the trial period has been exceeded. | Check the program product installation status. |
| 405,5502 | The licensed capacity is insufficient. The program product will not be installed. | Increase the licensed capacity. |
| 5205,5504 | The specified volume is being used by Data Migration. | Release the Data Migration settings. |
| 5205,5505 | The specified volume is being used by Remote Copy. | Release the Remote Copy pair. |
| 5205,5506 | The volume specified as the copy source is a Remote Copy P-VOL, and is already being used in a pair whose status is not Suspend. | |
| 5205,5507 | The specified destination volume is not a Volume Migration destination volume. | Re-execute. If the execution result is the same, contact the Support Center. |
| 1,5508 | An administrator is changing the system environment file. Wait a while, and then log on. | Wait a while, and then log on. |
| 1,5509 | You do not have lock permissions. Switch to the lock mode and then operate. | When setting up, change to Modify mode. |
| 2,5510 | This subsystem is internally processing, otherwise another user is changing the configuration or performing maintenance. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| 8005,5510 | This subsystem is internally processing, otherwise another user is changing the configuration or performing maintenance. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| *,5511 | The PP (program product) is not installed. Install the PP, and then re-execute. | Install the required program for this function, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 405,5524 | This license key cannot be installed because a usable environment has not been prepared. | Contact the Support Center. |
| 405,5525 | The S-Vol Disable setting of the Data Retention still remains. | Release the S-Vol Disable setting. |
| 1,5550 | The same user ID is already registered. Check the setting, and then retry the operation. | None. |
| 1,5551 | NULL characters or blank spaces are used in the user ID. Check the setting, and then retry the operation. | |
| 1,5552 | A character used for the user ID or the number of the characters of the user ID is invalid. Check the setting, and then retry the operation. | |
| 1,5554 | The storage device Administrator user (built in-account) cannot be added or deleted. Revise the setting, and then retry the operation. | |
| 9105,5600 | The security group settings are incorrect. | Correct the security group settings, and then re-execute. |
| 9105,5601 | The host group settings are incorrect. | Correct the host group settings, and then re-execute. |
| 9105,5602 | The string length is incorrect. | Correct the number of characters of the entered title, and then re-execute. |
| 9105,5603 | The host type has been specified as DKC emulation. | Specify a different host, and then re-execute. |
| 9105,5604 | The specified vendor information is incorrect. | Correct the specified vendor information, and then re-execute. |
| 9105,5605 | The number of hosts that can be registered has been exceeded. | Delete any unnecessary hosts, and then re-execute. |
| 9105,5606 | The target LDEV is not implemented. | Delete the unimplemented LDEV, and then re-execute. |
| 9105,5607 | The LDEV group settings are incorrect. | Correct the LDEV group settings, and then re-execute. |
| 9105,5608 | The pool group cannot contain volumes that have defined LU paths or are not implemented. | Check the attributes of the specified volumes, and then re-execute. |
| *,5624 | The specified volume cannot be set because it is being used as a NAS system volume. | Correct the settings, and then re-execute. |
| *,5625 | Another pair cannot be created because the number of pairs defined in the group exceeds the maximum. | Decrease the number of pairs, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,5626 | The specified volume cannot be used because the write protection is set by Volume Retention z/OS. | Change the Volume Retention z/OS settings. |
| 7005,5655 | You cannot set a pair because the LBA number is different for the specified volume. | Select another volume which has a matching LBA number. |
| 9607,5804 | The format of the pattern file is invalid. | None. |
| 9605,5809 | The number of requests for combining LUs was not set for the LU-combined volumes. | Check the logical devices, and then re-execute. |
| 9105,5819 | The specified port is not supported by this function. | Specify a port supported by this function. |
| 9105,5820 | When a host group contains a host to which ports are set, the hosts in that host group cannot be registered in a different host group. | Check the specified host and port. |
| *,5821 | The operation was rejected. The specified volume is set with an attribute that prevents S-VOL specification for Volume Retention z/OS. | Change the Volume Retention z/OS settings so that an S-VOL can be specified. |
| 3205,5827 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 3205,5828 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,5872 | The first volume of the expanded LU volumes has not been specified. | |
| 3005,5874 | A program product required for using the shredding function has not been installed. | |
| 3005,5875 | The specified volume is being formatted or shredding. | |
| 4,6001 | A timeout occurred. The SVP will reboot. After rebooting finishes, re-execute. | The SVP will automatically reboot. If the same result occurs after starting and re-executing, contact the Support Center. |
| 507,6012 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 1205,6012 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | The necessary memory for the settings cannot be secured. Re-execute. If the same result occurs, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3205,6012 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | None. |
| 1,6022 | A file open error has occurred. | |
| 405,6022 | The SVP is busy. Wait a while, and then re-execute. | Retry the operation. If the same result occurs, contact the Support Center. |
| 3205,6022 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | None. |
| 5205,6022 | File access has failed. Wait a while, and then re-execute. | If this problem occurs no matter how many times the operation is retried, contact the Support Center. |
| 5305,6022 | A file open error occurred. | Re-execute. If the same result occurs, contact the Support Center. |
| 6007,6022 | The SVP is busy. Wait a while, and then re-execute. | Retry the operation. If the same result occurs, contact the Support Center. |
| 6505,6022 | A file open error has occurred. | None. |
| 3205,6023 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | |
| 5305,6023 | A file access error occurred. | Re-execute. If the same result occurs, contact the Support Center. |
| 6005,6023 | The SVP is busy. Wait a while, and then re-execute. | Retry the operation. If the same result occurs, contact the Support Center. |
| 6007,6023 | The SVP is busy. Wait a while, and then re-execute. | |
| 6805,6023 | The SVP is busy. Wait for a while, and then retry the operation. | None. |
| 7005,6023 | The SVP is busy. Wait a while, and then re-execute. | Retry the operation. If the same result occurs, contact the Support Center. |
| 9105,6023 | File operation has failed. | Contact the Support Center. |
| 6007,6024 | An error occurred. If this problem persists, contact the Support Center. | Re-execute. If the same result occurs, contact the Support Center. |
| 4,6037 | The DKC status is incorrect. Contact the Support Center. | Contact the Support Center. |
| 9605,6038 | The set parameter is incorrect. | If this problem persists, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,6050 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 7,6091 | An error occurred while compressing a file. | |
| 7,6092 | An error occurred while reading a file. | |
| 7,6093 | The file to be downloaded was not found. | |
| *,6501 | There is no monitoring data. | None. |
| *,6502 | Now processing. Wait a while, and then re-execute. | Wait a while, and then re-execute. If the problem persists, contact the Support Center. |
| 2,6502 | Now processing. Wait a while, and then re-execute. | Wait a while, and then log on again. If the same result occurs after retrying the same operation many times, contact the Support Center. |
| 505,6502 | A timeout error occurred. Wait a while, and then re-execute. If processing still cannot execute, contact the Support Center. | Wait a while, and then re-execute. |
| 9005,6502 | This key code is invalid. | |
| *,6503 | The target volume is changing to SMPL. | |
| 505,6506 | Communication is busy. Re-execute later. | Check the controller status, and then re-execute. |
| 505,6507 | The maximum allowable capacity of the program product became insufficient. | If you use the Just In Time function, the permitted capacity of the PP (program product) might become insufficient. Install any PP for which permitted capacity might be insufficient, and then execute. |
| *,6510 | An internal lock time-over has been detected. Wait a while, and then re-execute. | Wait a while, and then re-execute. If the same result occurs, contact the Support Center. |
| 4105,6510 | The disk subsystem is busy. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| 5205,6511 | Check the pair status. | Check the pair status. |
| 5205,6512 | Check the pair status. | |
| *,6513 | Another request was received during processing. | Wait a while, and then re-execute. |
| 1205,6515 | The specified host is performing I/O operations. | Stop the host I/O operations. |
| 9505,6515 | Extended Copy Manager is operating, but host I/O operations might be in progress. Stop the host I/O operations. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 405,6517 | Serverless Backup is running, but the host I/O operations might not have stopped. Stop the host I/O. | |
| *,6531 | The SVP is busy. Wait a while, and then re-execute. | Retry the operation. If the same result occurs, contact the Support Center. |
| 5205,6532 | The subsystem is now acquiring the latest data. Wait a while, and then re-execute. | Wait a while, and then re-execute. If the same result occurs, contact the Support Center. |
| 105,6533 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | None. |
| 3205,6533 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | |
| 105,6534 | The number of external volumes that can be set to the subsystem exceeds the maximum. | |
| 605,6534 | The number of external volumes that can be set to the subsystem exceeds the maximum. | |
| 105,6535 | You cannot make changes because a logical path to the volume still remains. | |
| 605,6535 | You cannot make changes because a logical path to the volume still remains. | |
| 3205,6535 | You cannot make changes because a logical path to the volume still remains. | |
| 105,6536 | The target volume cannot be changed due to its LUSE configuration. | |
| 605,6536 | The target volume cannot be changed due to its LUSE configuration. | |
| 3205,6536 | The target volume cannot be changed due to its LUSE configuration. | |
| 1,6540 | No more users can be registered because the number of registered users has reached the maximum. Reduce the number of users, and then retry the operation. | |
| 1,7003 | The content of the management file of the audit log is invalid. | |
| 3005,7060 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 507,7070 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 405,7101 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | Obtain the appropriate license. |
| 9607,7118 | A parameter error occurred. If this problem persists, contact the Support Center. | If this problem persists, contact the Support Center. |
| 9607,7119 | A parameter error occurred. If this problem persists, contact the Support Center. | |
| 9607,7120 | A parameter error occurred. If this problem persists, contact the Support Center. | |
| 405,7202 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | Order a license that has the appropriate capacity. |
| 505,7202 | Some of volumes may be blocked, or there may be a module in a status that requires maintenance (for example, a module is blocked, the shared memory is inconsistent, or some other factor). Check the status of the volumes. If the volumes are not blocked, call the Support Center. | None. |
| 405,7203 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | Obtain the appropriate license. |
| 405,7205 | An error occurred in the subsystem. If this problem persists, contact the Support Center. | Check the name of the program product that is to be installed. |
| *,7310 | An unregistered error code occurred. | If this problem persists, contact the Support Center. |
| 1205,7310 | This error code is not registered. | None. |
| 3005,7310 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 9105,7310 | Not registered. | Check the setting contents, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,7400 | The file might not be in the designated directory. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| 5205,7401 | The file might not be in the designated directory. | |
| 5205,7402 | The file might not be in the designated directory. | |
| 5205,7403 | The file might not be in the designated directory. | |
| 5205,7404 | The file might not be in the designated directory. | |
| 5205,7405 | The file might not be in the designated directory. | |
| 5205,7406 | The file might not be in the designated directory. | |
| 5205,7407 | A correct migration plan cannot be created for this function. | |
| 5205,7408 | There is not enough Volume Migration data to create a plan. | |
| 5205,7409 | An attempt to write to the plan file has failed. | |
| 5205,7410 | An attempt to write to the plan file has failed. | |
| 5205,7411 | An attempt to write to the plan file has failed. | |
| 5205,7412 | The file contents are incorrect. | |
| 5205,7413 | The file contents are incorrect. | |
| 5205,7414 | The file contents are incorrect. | |
| 5205,7415 | The file contents are incorrect. | |
| 5205,7416 | The file contents are incorrect. | |
| 5205,7417 | The file contents are incorrect. | |
| 5205,7418 | The configuration information is incorrect. | |
| 5205,7419 | The reserved volume information is incorrect. | |
| 5205,7420 | There is not enough Volume Migration data to create a plan. | |
| 5205,7421 | The proper plan cannot be created. Check the following: 1. Reserved volume location 2. Maximum disk usage rate | |
| 5205,7422 | Memory allocation has failed. | |
| 5205,7423 | An internal error occurred. | |
| 5205,7424 | An attempt to delete all the plans has failed. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,7426 | An attempt to delete the plan has failed. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| 9505,7430 | The specified ports cannot be set to Extended Copy Manager. | Specify the ports which support Extended Copy Manager. |
| 9505,7431 | External ports for the high-speed PCB are not specified. When specifying the external ports for the high-speed PCB, perform setup at the same time. | When setting up external ports for a high-speed PCB, set up the high-speed PCB at the same time. |
| 9505,7432 | The high-speed PCB has been setup, but the parameter settings of the external ports do not match. | Set the same parameters to all the high-speed PCB external ports. |
| 4105,7441 | A specified value is outside the cache capacity range. | Correct the specified value, and then re-execute. |
| *,8000 | A timeout error occurred. | Make sure that the DKC status is normal, wait a while, and then retry the operation. If the occurrence does not change, contact the Support Center. |
| 2,8000 | An error occurred while connecting to the DKC. Wait a while, and then try again. | None. |
| 605,8000 | An error occurred while connecting to the DKC. Wait a while, and then re-execute. | Retry the operation. If the same result occurs, contact the Support Center. |
| 3205,8000 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | None. |
| *,8001 | A timeout error occurred while connecting to the DKC. | Make sure that the DKC status is normal, wait a while, and then retry the operation. If the occurrence does not change, contact the Support Center. |
| 2,8001 | A communication timeout error occurred. | None. |
| 505,8001 | The DKC status is incorrect. Contact the Support Center. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| 3005,8001 | A communication timeout error occurred on the disk subsystem. Wait a while, and then try again. | None. |
| 3205,8001 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | |
| 5205,8001 | An error occurred while connecting to the DKC. Wait a while, and then re-execute. | Retry the operation several times. If the same result occurs, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6805,8001 | A communication timeout error occurred on the DKC. Wait for a while, and then retry the operation. | None. |
| 9005,8001 | An error occurred while connecting to the DKC. Wait a while, and then re-execute. | Retry the operation. If you get the same message again, contact the Support Center. |
| 9505,8001 | An error occurred while connecting to the DKC. Wait a while, and then re-execute. | |
| 9605,8001 | An error occurred while connecting to the DKC. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| *,8002 | A connection timeout error occurred in the DKC. Wait a while, and then re-execute. | |
| 1205,8002 | A timeout error occurred while connecting to the subsystem. Wait a while, and then re-execute. | If this problem persists, contact the Support Center. |
| 3205,8002 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | None. |
| 4105,8002 | Communication is busy. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| 5305,8002 | The DKC status is incorrect. Contact the Support Center. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| 6805,8002 | Communication busy. Wait for a while, and then retry the operation. | None. |
| 9105,8002 | Communication is busy. Wait a while, and then re-execute. | Wait a while, and then re-execute. |
| 405,8003 | The DKC status is incorrect. Contact the Support Center. | Contact the Support Center. |
| 4,8010 | The DKC status is incorrect. Contact the Support Center. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| *,8100 | A timeout error occurred. | Make sure that the DKC status is normal, wait a while, and then retry the operation. If the same result occurs, contact the Support Center. |
| 2,8100 | An error occurred while connecting to the subsystem. Wait a while, and then try again. | None. |
| 505,8100 | An error occurred while connecting to the subsystem. | Wait for a while, and then retry the operation. |
| 3005,8100 | An error occurred while connecting to the subsystem. Wait a while, and then try again. | None. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,8100 | This function is not supported. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| 9005,8100 | An error occurred while connecting to the subsystem. Wait a while, and then re-execute. | Check the SSB LOG. Report the output error code and message to the Support Center. |
| *,8102 | This function is not supported. | If this problem persists, contact the Support Center. |
| 605,8102 | This function is not supported. | |
| 3005,8102 | This function is not supported. | None. |
| 4105,8102 | The SVP and DKC versions do not match. | Contact the Support Center. |
| 9105,8102 | The SVP and DKC versions do not match. | |
| 9005,8103 | The DKC status is incorrect. Contact the Support Center. | Check the version of the DKC-MAIN microcode, and then contact the Support Center. |
| 6005,8104 | The pair status has not finished changing yet. Check the configuration and connection-line status of the MCU and RCU, and make sure that the Remote Copy pair status has changed. | The configuration and connection-line status of the MCU and RCU might not satisfy the operating conditions. Check the configuration and connection-line status of the MCU and RCU, and make sure that the Remote Copy pair status has changed. |
| 6805,8110 | An attempt to change the configuration has failed. | None. |
| 9105,8110 | An attempt to change the configuration has failed. | Contact the Support Center. |
| 9605,8120 | The specified logical device does not exist. | Specify an open-systems volume. |
| 9605,8122 | This logical device is busy. | Wait a while, and then re-execute. |
| 9605,8123 | This function is not supported. | The DKCMAIN and SVP microcode version numbers might not match. Check each version number. |
| 9605,8124 | This logical device is a mainframe volume. | Specify an open-systems volume. |
| 9605,8125 | Attribute of the logical volume has been changed by RAID Manager. | Check the LDEV information, and then re-execute. |
| 9605,8126 | This logical device is setup as a command device. | Check the logical device, and then re-execute. |
| 9605,8127 | This logical device is a NAS system volume. | |
| 9605,8128 | A parameter error occurred. | If this problem persists, contact the Support Center. |
| 9605,8129 | This logical device is a Just in Time volume. | Check the logical device, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 9605,8130 | This logical device is a volume for Cross-system Copy. | Check the logical device, and then re-execute. |
| 9605,8131 | This logical device is a NAS system user volume. | |
| 9605,8132 | The error code is not registered. | If this problem persists, contact the Support Center. |
| 9605,8133 | This logical device is an iSCSI volume. | Check the logical device, and then re-execute. |
| 9605,8134 | You cannot change an attribute of this logical device to Read/Write. Contact the Support Center if you want to change an attribute. | A logical device attribute cannot be changed to Read/Write. If you want to change the attribute, contact the Support Center. |
| 9605,8135 | This logical device is an S-VOL for either TrueCopy or ShadowImage. | Check the logical device, and then re-execute. |
| 9605,8136 | The command was rejected because the license capacity was exceeded. | The current license capacity is insufficient. To increase the licensed capacity, order a new license key. |
| 605,8140 | This logical volume cannot be selected because it is used as a FlashCopy Mirror Version 2 volume. | None. |
| 9605,8141 | This logical volume cannot be selected because it is used as a reserve volume for Volume Migration. | |
| 9205,8142 | This logical volume cannot be selected because it is used as a Universal Replicator Mainframe volume. | |
| 9605,8142 | This logical volume cannot be selected because it is used as a Universal Replicator volume. | |
| 405,8202 | This program product requires a newer microprogram version. Contact the Support Center. | Contact the Support Center. |
| 405,8203 | This program product requires a newer hardware version. Contact the Support Center. | |
| 405,8204 | This program product requires a different configuration. Contact the Support Center. | |
| 405,8205 | The DKC status is incorrect. Contact the Support Center. | |
| 405,8206 | This program product is in use, so it cannot be uninstalled. | Stop using this program product function. |
| 405,8301 | The DKC status is incorrect. Contact the Support Center. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| 505,8310 | The DKC status is incorrect. Contact the Support Center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6805,8310 | The DKC status is invalid. Contact the Support Center. | None. |
| *,8401 | The DKC status is incorrect. Contact the Support Center. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| 505,8401 | The disk subsystem requires the maintenance(for a reason such as a blockage or shared memory inconsistency). | Contact the Support Center. |
| *,8500 | The program product is not installed. | Re-install the program product. |
| *,8501 | The command was rejected because a status transition was in progress. | Wait a while, and then re-execute. |
| *,8502 | The reserved volume cannot be set because a Remote Copy pair exists in the same frame. | Delete the Remote Copy pair. |
| *,8503 | A new pair cannot be created because a Remote Copy pair exists in the same frame. | |
| *,8504 | The command was rejected. | The command cannot execute due to one of the following conditions: |
| *,8505 | The requested command is incorrect. | Contact the Support Center. |
| 605,8505 | The requested command is incorrect. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8506 | The command was rejected. The specified S-VOL is being used by the host or a TrueCopy volume. | Change the specified S-VOL to another volume, or stop using the S-VOL in the host or TrueCopy, and then re-execute. |
| *,8507 | The Pairsplit command was issued to a pair in a PSUS state. | The Pairsplit operation cannot be performed because the pair is already in a PSUS state. |
| 605,8507 | The Pairsplit command was issued to the pairs in PSUS status. | None. |
| *,8508 | The Paircreate command was issued to a pair in a PSUS state. | The Paircreate operation cannot be performed for pairs in a PSUS state. |
| *,8509 | The Split command with the QUIESCE specification was issued to a secondary startup device. | Check the contents, and then re-execute. |
| *,8511 | The volume cannot be reserved because a path group is set. | Detach the S-VOL from the host, or delete the Remote Copy path. |
| *,8512 | The Resync or Suspend operations cannot be performed because a path group is set. | |
| *,8513 | The command was rejected. The specified P-VOL is being used by the host or Remote Copy. | Change the specified P-VOL to another volume, or stop using the P-VOL in the host or Remote Copy, and then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,8514 | There is no allocatable reserved volume. | Delete the reserved volume. |
| *,8515 | The number of cylinders in the reserved volume exceeds the maximum. | Check the contents, and then re-execute. |
| *,8516 | The number of P-VOL cylinders exceeds the maximum. | |
| 605,8517 | The number of S-VOL cylinders exceeds the maximum. | Check the contents, and then re-execute. |
| 7005,8517 | The number of S-VOL cylinders exceeds the maximum. | |
| *,8518 | This pair cannot be created because the track format is different for each. | Check the emulation type. |
| *,8519 | This pair cannot be set because the number of cylinders is different for each. | Check the volume capacity. |
| *,8520 | This pair cannot be set because the volume type is different for each. | Specify the same emulation type, and then re-execute. |
| *,8521 | The number of multiple copy jobs exceeds the maximum. | Check the contents, and then re-execute. |
| *,8522 | The P-VOL emulation type is not supported. | Specify an emulation type supported in ShadowImage. |
| *,8523 | The S-VOL emulation type is not supported. | |
| *,8524 | The emulation type is not supported. | |
| *,8525 | Internal logical error. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8526 | Internal logical error. | |
| *,8527 | Internal logical error. | |
| *,8528 | Internal logical error. | |
| *,8529 | Internal logical error. | |
| *,8530 | Internal logical error. | |
| *,8531 | Internal logical error. | |
| *,8532 | The P-VOL and S-VOL are being used by the host or Remote Copy. | Check the target volume, or stop using it in Remote Copy. |
| 605,8532 | The P-VOL and S-VOL are being used by the host or by Remote Copy. | None. |
| *,8533 | The emulation type of the specified reserved volume is not supported. | Specify a volume of a supported emulation type. |
| 605,8534 | An internal logical contradiction occurred. | Retry the operation. If the same result occurs, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3205,8534 | An internal logic error occurred. | None. |
| *,8535 | A processor failure was detected. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8536 | A cache failure was detected. | |
| *,8537 | The cache capacities do not match. | |
| *,8538 | An SM (shared memory) failure was detected. | |
| *,8539 | There is insufficient shared memory to create 4096 pairs. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8540 | There is sufficient shared memory for 4096 pairs, but the initial settings are not set. | |
| *,8542 | An attempt to complete the initial shared memory setup has failed. | |
| *,8543 | The shared memory capacity does not match. | |
| *,8544 | There is 16 MB of shared memory. | Revise the settings, and then re-execute. |
| *,8545 | A power supply failure was detected. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8546 | The command was rejected. The PS OFF is in progress. | Re-execute the operation with the power on. |
| *,8547 | A data transfer failure was detected (CHA). | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8548 | A data transfer failure was detected (DKA). | |
| *,8549 | The P-VOL is not implemented. | This operation cannot be performed for unimplemented volumes. |
| *,8550 | The P-VOL cannot be used. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8551 | The P-VOL is being formatted. | Wait until the volume finishes formatting, and then re-execute the operation. |
| *,8552 | The P-VOL is a command device. | Check the target volume. |
| *,8553 | The S-VOL is not implemented. | This operation cannot be performed for unimplemented volumes. |
| *,8554 | The S-VOL cannot be used. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8555 | The S-VOL is being formatted. | Wait until the volume finishes formatting, and then re-execute the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,8556 | The S-VOL is a command device. | Check the target volume. |
| *,8557 | The target volume is not implemented. | This operation cannot be performed for unimplemented volumes. |
| *,8558 | The target volume cannot be used. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8559 | The target volume is being formatted. | Wait until the volume finishes formatting, and then re-execute the operation. |
| *,8560 | The target volume is a command device. | Check the target volume. |
| *,8561 | The command code is incorrect. | Check the contents, then re-execute. |
| *,8562 | The command code sender is incorrect. | |
| *,8563 | The volume type is incorrect. | |
| *,8564 | The volume type is incorrect. | Check the contents, then re-execute. |
| *,8565 | The command code sender is incorrect. | |
| *,8566 | A reserved volume attribute is incorrect. | |
| *,8567 | The number of valid lists is incorrect. | |
| *,8568 | The emulation type is incorrect. | Specify a volume of a supported emulation type. |
| *,8569 | The number of multiple jobs exceeds the maximum. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8570 | The selected volume does not exist. | Check the settings, then re-execute. |
| *,8571 | The volume is already defined as reserved. | Check the corresponding conditions. |
| *,8572 | The volume is already defined as a P-VOL. | |
| *,8573 | The volume is defined as a Volume Migration source volume. | |
| *,8574 | The volume is defined as a Volume Migration destination volume. | |
| *,8575 | The selected volume is not a reserved volume. | Check the contents, then re-execute. |
| *,8576 | There are no reserved volumes that can be set. | |
| *,8577 | The maximum number of reserved volumes that can be defined has been exceeded. | Stop the reserved volume setting operation, or delete the reserved volume. |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,8578 | This P-VOL cannot be paired with the targeted volume, because this P-VOL is already paired with a backup volume. | Check the contents, then re-execute. |
| *,8579 | The reserved volume is not defined. | Define the reserved volume, then re-execute. |
| *,8580 | The specified volume is only for backup servers. | This volume cannot be used. Specify another volume, then re-execute. |
| *,8581 | The specified volume is not only for backup servers. | Check the contents, then re-execute. |
| *,8582 | The emulation type of the target volume is being changed. | Wait a while, then re-execute. |
| *,8583 | The RAID level of the specified volume is not supported. | Specify a volume of a supported RAID level. |
| *,8584 | The reserved volume is not defined. | Check the contents, then re-execute. |
| *,8585 | The number of reserved volumes exceeds the maximum. | Stop the reserved volume setting operation, or delete the reserved volume. |
| *,8586 | The number of groups that can be set in the same subsystem is incorrect. | Check the contents, then re-execute. |
| *,8587 | The number of pairs that can be set in the same group is incorrect. | |
| *,8588 | The specified group number is not set. | Check the contents, then re-execute. |
| *,8589 | The specified group name is incorrect. | |
| *,8590 | The group name and number do not match. | |
| *,8591 | The specified pair is already set in another group. | |
| *,8592 | The command was rejected because the license capacity was exceeded. | Check the capacity of the installed license key. |
| *,8593 | The P-VOL is a Volume Migration source volume. | Check the corresponding conditions. |
| *,8594 | The P-VOL is a Volume Migration destination volume. | |
| *,8595 | The specified P-VOL does not exist. | Refresh, then re-execute. |
| *,8596 | The specified volume is a reserved volume. | Check the contents, then re-execute. |
| *,8597 | The specified P-VOL contains the maximum allowable number of pairs. | More pairs cannot be created for this P-VOL. Delete an existing pair. |
| *,8598 | The specified volume is not a P-VOL. | Check the contents, then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,8599 | The specified volume is already a P-VOL. | Specify another P-VOL, and then re-execute, or delete the specified volume pair, and then re-execute. |
| *,8600 | The RAID level of the specified volume is not supported. | Check the RAID level, specify a supported RAID level volume, and then re-execute. |
| *,8601 | The target P-VOL cannot be paired with a backup server volume. | Check the contents, then re-execute. |
| *,8602 | The target volume is already set as a reserved volume. | Specify another volume, or release the specified volume reserved attributes, and then re-execute. |
| *,8603 | The target volume is set as a Data Migration P-VOL. | Delete the Data Migration pair. |
| 7005,8603 | The target volume is set as a Data Migration S-VOL. | |
| *,8604 | The target volume is set as a Data Migration S-VOL. | |
| *,8605 | The Resync command was issued to a device in an SMPL state. | Check the pair status. |
| *,8606 | A new pair was created by using an S-VOL that was created in the Remote Copy cooperation pattern. | Rectify the volume number for pair creation, or delete the Remote Copy pair. |
| 605,8606 | A new pair was created with an S-VOL forming the Remote Copy cooperation pattern. | None. |
| *,8608 | The specified S-VOL does not exist. | Check the settings, then re-execute. |
| *,8609 | The specified volume is not set as a reserved volume. | |
| *,8610 | The S-VOL is a Volume Migration source volume. | Check the corresponding conditions. |
| 605,8610 | The S-VOL is a target volume for Volume Migration. | None. |
| *,8611 | The specified volume is an S-VOL. | Check the contents, then re-execute. |
| *,8612 | The specified volume is not an S-VOL. | |
| *,8613 | The RAID level of the specified S-VOL is not supported. | Specify the supported RAID level volume number. |
| *,8614 | This S-VOL is used as a Remote Copy P-VOL. | Delete the Remote Copy pair. |
| *,8615 | This S-VOL is used as a Remote Copy S-VOL. | |
| *,8616 | This S-VOL is used as a Data Migration P-VOL. | Delete the Data Migration pair. |
| *,8617 | This S-VOL is used as a Data Migration S-VOL. | |
| *,8618 | This S-VOL is defined as a P-VOL. | Check the volume number. |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,8619 | This S-VOL is defined as a Volume Migration destination volume. | Check the corresponding conditions. |
| *,8620 | The volume specified as reserved is defined as a Data Migration P-VOL. | Delete the Data Migration pair. |
| *,8621 | The volume specified as reserved is defined as a Data Migration S-VOL. | |
| *,8622 | The volume specified as reserved is defined as a Remote Copy M-VOL. | Delete the Remote Copy pair. |
| *,8623 | The volume specified as reserved is defined as a Remote Copy R-VOL. | |
| *,8624 | The selected volume is not a pair. | Check the specified volume number. |
| *,8625 | The P-VOL (S-VOL) and S-VOL (T-VOL) have the same number. | |
| *,8626 | The SMPL command was rejected because a high-speed Split was in progress. | After the high-speed Split finishes, re-execute. |
| *,8627 | The Reverse Resync command was rejected because a high-speed Split was in progress. | |
| *,8628 | The L1 pair Resync command cannot be performed because the L2 pair is in an SP-Pend state. | Change the L2 pair to PSUS, and then execute the L1 pair Resync command. |
| *,8629 | The status mode specification is incorrect. | Check the contents, then re-execute. |
| *,8630 | The status mode type is incorrect. | |
| *,8631 | The specified CU number is incorrect. | |
| *,8632 | The timing of issuing the command is incorrect. | Retry the operation. If the same result occurs, contact the Support Center. |
| *,8633 | The abnormal status is incorrect. | |
| *,8634 | The volume specified as reserved is defined as a Volume Migration reserved volume. | Change the volume number in order to specify a reserved volume. |
| *,8635 | The specified P-VOL is defined as a Volume Migration reserved volume. | |
| *,8636 | The specified S-VOL is defined as a Volume Migration reserved volume. | |
| *,8637 | The specified P-VOL is used as a Volume Migration destination volume. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,8638 | The command was rejected because this P-VOL has Cache Residency settings. | The specified operation cannot be executed. Release the Cache Residency settings in order to execute. |
| *,8639 | The command was rejected because this S-VOL has Cache Residency settings. | |
| *,8640 | The command was rejected because a pair sharing the P-VOL was in a Reverse Copy state. | The specified operation cannot be executed. Release the reserved copy in order to execute. |
| *,8641 | The L1 pairs contain a pair in a Reverse Copy state. | |
| *,8642 | The L2 pairs contain a pair in a Reverse Copy state. | |
| *,8643 | The request was rejected because the Reverse Copy request was made to a pair in a non-Split state. | The specified operation cannot be executed. Release the reserved copy in order to execute. |
| *,8644 | The request was rejected because the pair is not in a Split or Suspend state. | Check the pair status. |
| *,8645 | The Reverse Copy request was rejected because the P-VOL was shared with a secondary volume of a Remote Copy pair. | The specified operation cannot be executed. Release the reserved copy pair in order to execute. |
| *,8646 | The Reverse Copy request was rejected because the P-VOL was shared with a Remote Copy pair in a non-Suspend state. | Delete the Remote Copy pair. |
| *,8647 | The Reverse Copy request was rejected because the S-VOL was shared with a Remote Copy pair. | |
| *,8648 | The boot device and the P-VOL do not match in the Paircreate command. | Check the number of the volume that is the target of the operation. |
| *,8649 | The flag does not match because the boot device is the S-VOL in the Pairsplit-S command. | Check the number of the volume that is the target of the operation. |
| *,8650 | The boot device and the P-VOL do not match in the Paircreate, Resync, or Pairsplit-S commands. | |
| *,8651 | The SSID is incorrect. | Check the contents, then re-execute. |
| *,8652 | The boot device is not a P-VOL or S-VOL. | Check the number of the volume that is the target of the operation. |
| *,8653 | The flag does not match because the boot device is the P-VOL in the Pairsplit-S command. | |
| *,8654 | The boot device and the T-VOL do not match in the Paircreate, Resync, or Pairsplit-S commands. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| *,8655 | An incorrect secondary SSID is specified for the Paircreate or Resync command. | Check the contents, then re-execute. |
| *,8656 | An incorrect secondary SSID is specified for the DeletePair or Split command. | Revise the settings. |
| *,8657 | Swap&Freeze was specified, but the mode is incorrect. | Check the contents of the specified option. |
| *,8659 | No PCBs for iSCSI are installed. | Implement a PCB for an iSCSI. |
| 6805,8659 | Attach the required PCBs. | None. |
| 605,8670 | The number of LDEVs configured in the LUSE volume for the P-VOL and S-VOL are not the same. | Check the settings, and make configuration changes. |
| 605,8671 | The pair cannot be set because the number of LBAs.is different for each volume. | Check the volume, then re-set. |
| 605,8672 | The specified combination of Cross-system Copy LDEVs is incorrect. | |
| 605,8673 | The emulation type of the Cross-system Copy LDEV is not OPEN-V. | |
| 605,8674 | The specified volume is not an LUSE volume. | None. |
| 605,8675 | An I/O operation to the Cross-system Copy LDEV is executing. | Stop the I/O operations, and make configuration changes. |
| 605,8676 | The specified volume is already a Cross-system Copy target volume. | Check the settings, and make configuration changes. |
| 605,8677 | The specified volume is already used as a Cross-system Copy LDEV. | |
| 605,8678 | The volume defined as the source is an iSCSI volume. | |
| 605,8679 | The volume defined as the destination is an iSCSI volume. | |
| 605,8680 | The specified volume is already an iSCSI LDEV. | Check the settings, and make configuration changes. |
| 605,8681 | The volume defined as the source is the volume being used by Cross-system Copy. | |
| 605,8682 | The volume defined as the destination is the volume being used by Cross-system Copy. | |
| 605,8683 | The specified consistency group is being used as the mainframe consistency group. | |
| 605,8684 | The microcode used for processing CTG setting does not support the At-TimeSplit function. | Install the microcode that supports the At-TimeSplit function. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,8687 | The specified consistency group number is outside the range from 0x00 to 0x7F. | Check the settings, and make configuration changes. |
| 605,8689 | The volume specified by Cross-system Copy is the Remote Copy P-VOL. | |
| 605,8690 | The volume specified by Cross-system Copy is the Remote Copy S-VOL. | |
| 605,8691 | The volume specified by Cross-system Copy is the ShadowImage P-VOL. | |
| 605,8692 | The volume specified by Cross-system Copy is the ShadowImage S-VOL. | |
| 605,8694 | The specified volume is already a Cross-system Copy target volume. | |
| 605,8695 | The specified MU number is not less than or equal to 2. | |
| 7105,8696 | The command was rejected because the specified S-VOL is being used as a T-VOL for ShadowImage, FlashCopy Version2. | None. |
| 7105,8697 | The command was rejected because the specified T-VOL is being used as a volume for ShadowImage, FlashCopy Version2. | |
| 7105,8698 | The command was rejected because the specified volume is being used by ShadowImage, FlashCopy Version2. | |
| 7105,8699 | The Reverse Copy or Quick Restore command was rejected because the specified S-VOL is sharing a relation with ShadowImage, FlashCopy Version2. | |
| 6005,8700 | Re-execute. | Re-execute. |
| 6005,8701 | The logical path between the MCU and RCU is not active. | Check the path status in the RCU Status window, and then use Edit Path to re-establish the path. |
| 6005,8703 | The specified number of paths is less than the minimum number of paths in the RCU option. | Check the number of paths. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8704 | An MCU-RCU communication problem has caused the number of specified paths to be less than the minimum in the RCU option, or remote copying via a serial path does not support R-VOL device emulation. | Check the path status in the RCU Status window, and then re-establish the path. Refer to the open-systems section of the maintenance manual, and make sure that R-VOL device emulation is supported. |
| 6005,8705 | The path cannot be deleted because of a communication error between the MCU and RCU. | Check the CHA status on the MCU status window. If the CHA is blocked, change it, then re-execute. |
| 6005,8706 | A parameter entered in the Remote Copy operation is incorrect. | Enter the correct data. |
| 6005,8707 | The Data Migration operation setting is incorrect. | Revise the settings. |
| 6005,8709 | The Remote Copy operation was rejected. | Change the CHA, and then re-execute. |
| 6005,8710 | The pair status of the specified volume is incorrect. | Check the settings. If permissible, re-execute. |
| 6005,8711 | An entered parameter is incorrect. | Check the RCU port number, ID, and LUN. |
| 6005,8712 | The operation was rejected because of a Freeze state. | 1. If this was a path-related Freeze status recovery operation, re-execute.<br>2. If this was a pair-related operation, refer to the RCU status, and then after the time set for SCP Time elapses, re-execute. |
| 6005,8713 | A port group is already set on the specified port. | Delete the group settings, and then change the port type. |
| 6005,8714 | An internal error occurred. | Contact the Support Center. |
| 6005,8715 | Incorrect number of paths. | Check the number of specified paths, and then re-execute. If the problem persists, contact the Support Center. |
| 6005,8716 | The specified port is not an RCP. | Check the configuration of the LCP and RCP, and then specify the correct port, or change the port to RCP. |
| 6005,8717 | The connection-destination address is incorrect. | Check the logical address, and then set the correct address. |
| 6005,8718 | The specified logical path already exists. | Check all of the logical addresses, and then specify a different address or RCP. |
| 6005,8719 | The RCU serial number, link address, controller ID, or SSID is incorrect. | Check the RCU's serial number, SSID, link address and controller ID, and then set the correct value. If the values are correct, check the RCU cable connection, and then re-execute. If the problem still persists, contact the Support Center. |
| 6005,8720 | There are already 4 (the maximum) registered RCUs. | Re-check the entered values, and then execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8721 | Path creation was incomplete. | Check the path connections between the MCU and RCU, and then re-execute. |
| 6005,8722 | Path creation has failed. | |
| 6005,8723 | The Edit Path operation was rejected because the specified path is the last path of a Remote Copy pair. | Create another path or delete all the pairs on the RCU, and then retry. |
| 6005,8724 | The specified number of paths is less than the minimum number of paths in the RCU option. Check the number of paths. | Check the number of paths. |
| 6005,8725 | The specified operation is not supported by the current microcode version. | Check the microcode version. If the target version is an edition that supports Remote Copy, try to change the LCP microcode again. |
| 6005,8726 | The multiplatform function is already installed on the MCU. | TrueCopy and Data Migration has an exclusive connection with the multiplatform function. Reduce the MCU's CHS PCB, and then execute the TrueCopy and Data Migration function. |
| 6005,8727 | The minimum number of paths exceeds the normal number of paths. | Recover the minimum number of paths. If this problem persists, contact the Support Center. |
| 6005,8728 | The minimum number of paths exceeds the normal number of paths. | |
| 6005,8729 | An internal error occurred. | See the SSB log, and then obtain TSC support. |
| 6005,8730 | The specified logical address is incorrect. | Execute the correct logical address recovery process. If this problem persists, contact the Support Center. |
| 6005,8731 | A logical address does not match. | Delete the RCU, and then re-add it. Specify the same logical address. |
| 6005,8732 | There are already 4 (the maximum) registered SSIDs. | Check the RCU SSID values. If an incorrect SSID is registered, delete it and then re-execute. |
| 6005,8733 | The Fibre-Remote Copy function is not installed on the MCU. | When creating a Fibre-Remote Copy path or pair, the Fibre-Remote Copy function must already be installed on the MCU and RCU. Install the Fibre-Remote Copy function on the MCU. |
| 6005,8734 | The Fibre-Remote Copy function is not installed on the RCU. | When creating a Fibre-Remote Copy path or pair, the Fibre-Remote Copy function must already be installed on the MCU and RCU. Install the Fibre-Remote Copy function on the RCU. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8735 | The RCU serial number, link address, controller ID, or SSID is incorrect. | Check the serial number, SSID and link address registered to the RCU, and then set the correct value. If the values are correct, check the RCU cable connection, and then re-execute. If the problem still persists, contact the Support Center. |
| 6005,8736 | The specified RCU or SSID contains a Remote Copy volume pair. | Delete all pairs specified in the RCU and SSID, and then re-execute. |
| 6005,8737 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8738 | Remote Copy is not supported by the MCU controller emulation type. | Check the controller emulation type. |
| 6005,8739 | The NVS of the MCU connecting the host is not active. | Check the NVS status, and then re-set. If it cannot be re-set, contact the Support Center. |
| 6005,8740 | The NVS of the RCU connecting the host is not active. | |
| 6005,8741 | The logical paths between the MCU and RCU are not established. | Check the path status between the MCU and RCU. |
| 6005,8747 | The specified operation is not supported by this microversion. | Check the microcode version. If it is the Remote Copy support edition, try to change the LCP microcode again. |
| 6005,8748 | The specified volume might be online. Check whether it is online. If it is, change it to offline, and then re-execute. Also, if the specified volume is connected to the VM system, change the VM system connection to offline. | Check whether the specified volume is online. If it is, change it to offline, and then re-execute. Also, if the specified volume is connected to the VM system, change the VM system connection to offline. |
| 6005,8750 | Data Migration is not supported by the MCU controller emulation type. | Check the controller emulation type. |
| 6005,8751 | Pair registration has failed. 1. Remote Copy is not supported by the RCU DKC emulation. 2. When the RCU is A/H-6593, only a number from 0 to F can be used for the asynchronous copy's consistency group number. | Check the RCU's DKC emulation type and the consistency group number. |
| 6005,8752 | Data Migration is not supported by the RCU controller emulation type. | Check the controller emulation type. |
| 6005,8753 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8754 | The MCU serial number or SSID is incorrect. | Check the MCU serial number and SSID, and then re-execute. |
| 6005,8755 | The RCU serial number | CU number or SSID is incorrect. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8756 | The MCU disk array cache is not active. | Check the subsystem cache status of the MCU connected to the host. If it is off, re-set it. If it still cannot be set, contact the Support Center. |
| 6005,8757 | One side of the MCU cache is blocked. | Check the MCU cache status and perform recovery. After recovery finishes, re-execute. |
| 6005,8758 | An unexpected error occurred on the MCU. | Contact the Support Center. |
| 6005,8759 | The RCU cache status is not active. | Check the subsystem cache status of the RCU connected to the host. If it is off, re-set it. If it still cannot be set, contact the Support Center. |
| 6005,8768 | The RCU is still in another Remote Copy state. | Check whether this RCU is busy using another Remote Copy. If it is, delete the RCU, and then re-execute. |
| 6005,8769 | The RCU is still in another Remote Copy state. | |
| 6005,8770 | The MCU cache is automatically restoring. Wait for a few minutes, and then re-execute. | Wait for the cache to recover, and then re-execute. |
| 6005,8774 | The multiplatform function is already installed on the MCU. | TrueCopy and Data Migration have an exclusive relation with the multiplatform function. Reduce the MCU's CHS PCB, and then execute the TrueCopy and Data Migration function. |
| 6005,8775 | The multiplatform function is already installed on the RCU. | TrueCopy and Data Migration has an exclusive relation with the multiplatform function. Reduce the RCU's CHS PCB, and then execute the TrueCopy and Data Migration function. |
| 6005,8777 | The combination of the RCU with the MCU controller type is not supported. | Check the controller type of the MCU and RCU. |
| 6005,8778 | One side of the RCU cache is blocked. | Check the RCU cache status, and then restore the cache. |
| 6005,8779 | TrueCopy is not supported by the RCU controller emulation type. | Check the RCU controller emulation type. |
| 6005,8782 | The Data Migration function is not installed on the specified DKC. | Install the required PP (program product). (Since there are 3 types of PP licenses, a different type of license might not be able to be installed after a given license expires). |
| 6005,8783 | The TrueCopy E function is not installed on the specified DKC. Install the TrueCopy E function. | Install the TrueCopy Semi-Sync function, and then re-execute. |
| 6005,8784 | The TrueCopy E function is not installed on the specified DKC. Install the TrueCopy E function. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8787 | The RCU does not support the expansion volume's Remote Copy. | Check the RCU controller type and microcode version. |
| 6005,8788 | The specified S-VOL expansion volume is not defined, or the S-VOL's device emulation is not supported by Remote Copy when using serial interface. | Check the RCU Port, ID, and LUN. Refer to the open-systems section of the maintenance manual to make sure that the S-VOL device emulation is supported. |
| 6005,8789 | The defined combination of the P-VOL's expanded LU and the S-VOL's expanded LU is incorrect. Check the selected expansion volume combination. | Check the selected expansion volume combination. |
| 6005,8790 | The specified RCU expansion volume (Port/ID/LUN) cannot be used. | Refer to the RCU expansion volume status and microcode version. |
| 6005,8792 | Pair registration is not possible because the Volume Retention z/OS function is not installed on the RCU. Install Volume Retention z/OS, and then re-execute. | Install Volume Retention z/OS on the MCU and RCU, and then re-execute. |
| 6005,8793 | The Add Pair operation cannot be performed because the TrueCopy function is not installed on the MCU (or RCU). | Install the TrueCopy function, and then re-execute. |
| 6005,8794 | The Add Pair operation cannot be performed because the TrueCopy function is not installed on the MCU (or RCU). | |
| 6005,8802 | The Add Pair operation failed because it is not registered on the specified consistency group. | Register the consistency group, and then re-execute. |
| 6005,8803 | Pair registration has failed. If the timer type is None, 4 RCUs are already registered. If the timer type is Local or System, 1 RCU has already been registered. | Register a new consistency group. |
| 6005,8804 | The Resume Pair operation failed. 1. The pair is asynchronous, even though the pair is specified not to be asynchronous in copy mode. 2. The pair is not asynchronous, even though the pair is specified to be asynchronous in copy mode. | Check the settings of the target pair, then re-execute. |
| 6005,8805 | The Resume Pair operation failed. The specified consistency group on the RCU side is not registered. | Check the MCU and RCU consistency groups. If the M-VOL exists, delete it, and then re-execute the pair registration operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8806 | Pair registration or the resume operation has failed. A consistency group already exists in the RCU. The consistency group option (timer type, timeout interval) cannot be changed unless all asynchronous pairs in the consistency group have been deleted or suspended. | Check the RCU consistency group options, and then set to the same options as the MCU. |
| 6005,8807 | Pair registration has failed. If the timer type is System, 4 MCUs are already registered. If the timer type is Local or None, 1 MCU has already been registered. | Register a new consistency group. |
| 6005,8808 | Pair registration or the resume operation has failed. The MCU volume or another volume from the same group is changing to a Simplex or Suspend state. | Wait a while, and check the settings. If the pair is in a state that allows pair registration or resumption, re-execute. |
| 6005,8809 | Pair registration or the resume operation has failed. The RCU volume or another volume from the same group is changing to a Simplex or Suspend state. | Wait a while, and check the settings. If the specified volume is in a state that allows the operation to be performed, re-execute the operation. |
| 6005,8811 | Pair registration has failed. Multiple consistency group registration is not supported by the RCU. | Check the RCU consistency group. |
| 6005,8815 | The asynchronous pair cannot be formatted because TrueCopy asynchronous extension program product function is not installed on the RCU. | Install TrueCopy asynchronous extension program product function in the RCU. |
| 6005,8817 | The Add Pair operation cannot be performed because the suspend instruction by the NCFREEZE command is enabled. | Cancel the suspend instruction by the NCFREEZE command on the target consistency group. |
| 6005,8818 | The Resume operation cannot be performed because the suspend instruction by the NCFREEZE command is enabled. | |
| 6005,8825 | Pair registration has failed. A pair that uses a Fibre path and a pair that uses a serial path cannot be combined in the same consistency group. | Check the MCU and RCU settings, and then check the pair's paths. |
| 6005,8826 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8827 | Pair registration or the resume operation has failed. | Wait a few minutes, then retry. |
| 6005,8828 | This microcode version does not support mixing, within a DKC, pairs that use Fibre paths with pairs that use serial paths. | In the RCU Status window, check the type of path specified in the Paircreate operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8832 | Wait a few minutes, and then re-execute. | Wait a few minutes, and then re-execute. |
| 6005,8833 | Wait a few minutes, and then re-execute. | |
| 6005,8834 | Pair registration has failed because an attempt was made to register a pair that exceeded the permission capacity. | Refer to the license key and check the licensed capacity. If more pairs need to be created, obtain a license key that can use a larger capacity. |
| 6005,8835 | Pair registration has failed because an attempt was made to register a pair that exceeded the permission capacity of the RCU. | Refer to the RCU license key and check the licensed capacity. If more pairs need to be created, obtain a license key that can use a larger capacity. |
| 6005,8836 | No pairs are waiting to be copied. | Check the pair registration contents, and then retry. |
| 6005,8837 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8838 | The specified volume is not a Remote Copy pair. | Check the specified volume. |
| 6005,8839 | The RCU serial number, link address, controller ID, or SSID is incorrect. | Check the serial number, SSID, link address and controller ID of this RCU, and then set the correct value. If the values are correct, check the RCU cable connection, and then re-execute. If the problem still persists, contact the Support Center. |
| 6005,8843 | The pair state of the specified volume or another volume in the same group, is not in a permissible state for this operation. For a group option operation: 1. The specified volume is Simplex. 2. There is no Duplex or Pending-Duplex volume in the group. For a pair option operation: 1. The specified volume is Simplex. | Check the settings, and if a pair in either the specified volume or another volume in the same group is in a permissible state, re-execute. |
| 6005,8844 | The status of the specified volume, or another volume from the same group, is now changing. For group or pair option operations: 1. The specified volume status is Deleting. 2. The specified volume status is Suspending. | Wait a while, and then if the volume is in a request receivable state, re-execute. |
| 6005,8845 | The Suspend operation cannot be performed because the suspend instruction by the NCFREEZE command is enabled. | Cancel the suspend instruction by the NCFREEZE command on the target consistency group. |
| 6005,8846 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8847 | An internal error occurred. | |
| 6005,8848 | The Suspend Pair operation failed. | Wait a few minutes, and then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8849 | The specified volume is not a Remote Copy pair (not in a Duplex (PAIR), Pending (COPY), or Suspend (PSUS) state). | Check the specified volume. |
| 6005,8850 | The RCU serial number, link address, controller ID, or SSID is incorrect. | Check the serial number, SSID, link address and controller ID of this RCU, and then set the correct value. If the values are correct, check the RCU cable connection, and then re-execute. If the problem still persists, contact the Support Center. |
| 6005,8853 | The Data Migration volume pair cannot be terminated. Migration copy is executing, or the specified volume might be online. | Make sure that the migration copy is in progress, and that the volume is in an online state. |
| 6005,8855 | The status of the specified volume, or another volume from the same group, is now changing. For group or pair option operations: 1. The specified volume status is Deleting. 2. The specified volume status is Suspending. | Wait a while, and then if the volume is in a request receivable state, re-execute. |
| 6005,8856 | The Pair Delete operation for which consistency was specified in the deletion range has failed. The consistency group status is SEQCHK. | Re-execute the Pair Delete operation for which Volume or Group was specified in the deletion range. |
| 6005,8857 | The volume is in an SEQCHK state, or the volume consistency does not match the group. | Check the volume that had a Pair Delete failure. If necessary, specify Volume or Group in the deletion range, and then re-execute the Pair Delete operation. |
| 6005,8858 | The Pair Delete operation has failed. The volume is in an SEQCHK state, or the volume consistency does not match the group. | Re-execute the Pair Delete operation for which Volume or Group was specified in the deletion range. |
| 6005,8860 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8861 | An internal error occurred. | |
| 6005,8862 | The pair termination operation failed. | Wait a few minutes, and then retry. |
| 6005,8863 | An unregistered error occurred. | Contact the Support Center. |
| 6005,8864 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8865 | An internal error occurred. | |
| 6005,8866 | An internal error occurred. | |
| 6005,8867 | An internal error occurred. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8868 | The group registration operation has failed because the specified consistency group number is already being used by the MCU. | Check the MCU consistency group. |
| 6005,8869 | This consistency group is not registered. | |
| 6005,8870 | An attempt to change a group option has failed, because an asynchronous pair is in the specified consistency group. | Check the settings. |
| 6005,8872 | Group registration failed. This version does not support multi consistency group registration in the MCU. | Check the MCU consistency group. |
| 6005,8873 | The consistency group cannot be registered because TrueCopy Async function is not installed on the MCU. | Install TrueCopy asynchronous extension program product on the MCU, and then re-execute. |
| 6005,8874 | Invalid timer type option. | Specify Local or None for the timer type. |
| 6005,8875 | An attempt to change the timer type has failed, because an asynchronous copy pair is in the specified consistency group. | Check the settings. |
| 6005,8876 | No PCBs correspond to the specified port type. | Check the implemented package type, and then retry using the correct parameters. |
| 6005,8877 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8878 | This consistency group is not registered. | Check the MCU consistency group. |
| 6005,8879 | A request to delete the consistency group was rejected, because there is at least one asynchronous pair. | Check the settings. |
| 6005,8880 | Group deletion failed. A pair from this group is changing to Simplex. | Wait a while, and then re-execute. |
| 6005,8881 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8882 | The asynchronous option (Current Pending Update Data Rate) cannot be changed, because registration by the TrueCopy consistency group has finished. | Delete all the consistency groups registered by TrueCopy. |
| 6005,8883 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8884 | An internal error occurred. | |
| 6005,8885 | An internal error occurred. | |
| 6005,8886 | An internal error occurred. | |
| 6005,8887 | An internal error occurred. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8888 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8889 | The specified port is not implemented. | Check the settings, and then re-execute. If the same result occurs, contact the Support Center. |
| 6005,8890 | The specified port is still being initialized. | After the specified port finishes initializing, retry the operation. |
| 6005,8891 | A logical path remains on the MCU port. | Delete the logical paths on the related port, and then retry. |
| 6005,8893 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8894 | A job remains on the target MCU port. | Stop the jobs from the host, then retry. |
| 6005,8895 | A job remains on the target RCU port. | |
| 6005,8896 | A parameter error occurred. | Check the settings, and then re-execute. If the same result occurs, contact the Support Center. |
| 6005,8897 | An LU remains on the target port. | Delete the LU defined on the related port, then retry. |
| 6005,8898 | Pending data is on the port. | Re-execute. |
| 6005,8899 | An internal error occurred. | See the SSB log and contact the Support Center. |
| 6005,8900 | An error occurred during the port change. | Contact the Support Center. |
| 6005,8901 | An error occurred during the port change. | |
| 6005,8902 | An error occurred during the port change. | |
| 6005,8904 | The differential management areas in the MCU are full. | If extended SM #2 is not implemented in the MCU, implement the SM by using the implementation instruction for remote copy extended SM (Shared Memory Size Configuration), and then re-create the pairs. If extended SM #2 is implemented in the MCU, more pairs. |
| 6005,8905 | Extended shared memory is not implemented in the MCU. | Install the SM (shared memory) on the MCU by using the Remote Copy expansion function SM installation instructions (Install Remote Copy Function). |
| 6005,8906 | The differential management areas in the RCU are full. | If extended SM #2 is not implemented in the RCU, implement the SM by using the implementation instruction for remote copy extended SM (Shared Memory Size Configuration), and then re-create the pairs. If extended SM #2 is implemented in the RCU, more pairs. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8907 | Extended shared memory is not implemented in the RCU. | Install the SM (shared memory) on the RCU by using the Remote Copy expansion function SM installation instructions (Install Remote Copy Function). |
| 6005,8908 | Incorrect parameter. | Check the entered value, and then re-execute. |
| 6005,8910 | An error occurred during port exchange. | Replace the CHA. |
| 6005,8911 | A logical path is on the port. | Delete the path, and then re-execute. |
| 6005,8912 | A logical path is on the port. | |
| 6005,8913 | The port type is incorrect. | Check the port status, and then re-execute. |
| 6005,8914 | The multiplatform function is already installed on the subsystem. | Check the subsystem configuration. |
| 6005,8915 | The port type exchange operation from the SVP (RMC) was rejected, because the host is already processing a port type exchange. | Check the port status, and then re-execute the port type exchange operation. |
| 6005,8917 | There are too many pairs in this consistency group. | Register a new consistency group, and then register the asynchronous pair. |
| 5305,8919 | The DKC status is incorrect. Contact the Support Center. | Retry the operation several times. If the same result occurs, contact the Support Center. |
| *,8920 | Operations on L2 are not possible because the L1 pair is not in the PSUS state. | Wait until the L1 pair changes to a PSUS state, and then execute the operation to the L2 pair. |
| 6005,8922 | The specified MCU does not support the Serial Path Link Remote Copy function. | Make sure that the MCU supports Serial Path Link Remote Copy. Install the microcode version that supports Serial Path Link Remote Copy, or execute Serial Path Link Remote Copy. |
| 6005,8923 | The specified RCU does not support the Serial Path Link Remote Copy function. | |
| 6005,8924 | A logical path remains on the RCU port. | Delete the logical paths of the specified port, then re-execute. |
| 6005,8929 | Invalid port type. Check the port type, and then re-execute. | Check the port type of the specified port, then re-execute. |
| 6005,8930 | A logical path remains on the RCU port. | Delete the logical paths of the specified port, then re-execute. |
| 6005,8931 | A logical path remains on the RCU port. | |
| 6005,8932 | The path between the MCU and RCU cannot be established, because the configuration definition of the specified CU number is not defined. | Make sure that the configuration information of the specified CU number is defined. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,8933 | Pair registration has failed because the specified P-VOL is a NAS system volume. | Check the configuration of the specified P-VOL. |
| 6005,8934 | Pair registration has failed because the specified S-VOL is a NAS system volume. | Check the configuration of the specified S-VOL. |
| 6005,8935 | Pair registration has failed because the specified P-VOL is a NAS system volume. | Check the configuration of the specified P-VOL. |
| 6005,8936 | Pair registration has failed. The specified RCU version does not support a Remote Copy that has used a NAS system volume. | Check the RCU microcode version. |
| 6005,8937 | Pair registration using a fiber path has failed, because a pair using a serial path is in the same MCU. | Delete all the pairs with the serial remote copy connection in the specified MCU, and then re-execute. |
| 6005,8938 | Pair registration using a serial path has failed, because a pair using a fiber path is in the same MCU. | |
| 6005,8939 | The specified P-VOL cannot be used. | Check the P-VOL's LUN by using RAID Manager. Specify a LUN with a value less than 256 for P-VOL. |
| 605,8941 | The command was rejected because the selected CT Group is already used. | None. |
| 6005,8943 | In the RCU, the specified volume, or another volume from the same group, is being changed to a Simplex or Suspend status. Wait a few minutes, and then re-execute. | Wait a few minutes, and check the settings. In the RCU, check the status of the specified volume, or another volume from the same group. If it is in an operational state, re-execute. |
| 6005,8945 | Check the RCU's SSID | CU number and the S-VOL Port-Group-LUN. Re-execute using the correct parameters. |
| 6005,8947 | The LU for Cross-system Copy is connected to the port. | Release the settings of the LU for Cross-system Copy, and then re-execute. |
| 6005,8948 | An I/O operation is occurring at the specified port. | Stop the I/O operations, then re-execute. |
| 6005,8949 | An internal error occurred. | See the SSB log, and contact the Support Center. |
| 6005,8950 | An internal error occurred. | |
| 3205,8951 | An error occurred on the DKC side. If this problem persists, contact the support center. | None. |
| 3205,8952 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8953 | An error occurred on the DKC side. If this problem persists, contact the support center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3205,8954 | An error occurred on the DKC side. If this problem persists, contact the support center. | None. |
| 3205,8955 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8956 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8957 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8958 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8959 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8960 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8961 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8962 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8963 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8964 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8965 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8966 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8967 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8968 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8969 | An error occurred on the DKC side. If this problem persists, contact the support center. | |
| 3205,8970 | An error occurred on the DKC side. If this problem persists, contact the support center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,8971 | An error occurred during communication with the disk subsystem. The configuration may be inconsistent. Click [Refresh All] and refresh the configuration. | None. |
| 6005,8972 | A pair cannot be created because the specified P-VOL is already in use by Cross-system Copy. | Check the status of the specified P-VOL. |
| 6005,8973 | A pair cannot be created because the specified S-VOL is already in use by Cross-system Copy. | Check the status of the specified S-VOL. |
| 6005,8974 | A pair cannot be created because the path is defined from an iSCSI port to the specified P-VOL. | Check the status of the specified P-VOL. |
| 6005,8975 | A pair cannot be created because the path is defined from an iSCSI port to the specified S-VOL. | Check the status of the specified S-VOL. |
| 6005,8976 | A pair cannot be created because the specified P-VOL is a Cross-system Copy volume. | Check the status of the specified P-VOL. |
| 6005,8977 | A pair cannot be created because the specified S-VOL is a Cross-system Copy volume. | Check the status of the specified S-VOL. |
| 3205,8978 | An error occurred on the DKC side. If this problem persists, contact the support center. | None. |
| 105,8979 | The operation on the external volume failed because the external volume was disconnecte. or all the paths to the external volume were blocked. | |
| 605,8979 | The operation of the external volume has been failed because all the paths to the external volume are blocked. | Recover the path that is connecting the external LU, and then follow the LDEV recovery instructions. |
| 6005,8980 | The pair operation failed because the licensed capacity of Volume Retention z/OS on the RCU was exceeded. | Check the licensed capacity of Volume Retention z/OS on the RCU. If executing this operation, obtain a license key that can use a larger capacity. |
| 605,8981 | The copy processing of Cross-system Copy is in progress. | The copy processing of Cross-system Copy is in progress. |
| 2,9000 | Another user is accessing by using modifier mode. Wait a while, and then re-execute. | Wait a while, then re-execute. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 8505,55008 | The current micro-code does not support the partitioning of the resources used by the program product (SLPR Key, Serverless Backup, Volume Security, Universal Replicator, ShadowImage, and TrueCopy). Check the micro-program version and the supported specifications, and then correct the settings. | None. |
| 6805,55009 | An invalid cache resource number (CLPR number) was detected. | |
| 6805,55010 | An invalid storage resource number (SLPR number) was detected. | |
| 8505,55016 | The value for the maximum number of logins exceeds the value set for the maximum number of logins for each SLPR. | |
| 8505,55017 | The total number of logins registered for each SLPR exceeds the value set for the maximum number of logins to the subsystem. | Check the SLPR information, then re-set the correct information. |
| 8505,55019 | The SSID is invalid. | |
| 8505,55021 | The specified CU number is invalid. | |
| 8505,55025 | The parity group settings are invalid. | Check the SLPR and CLPR information, then re-set the correct information. |
| 8505,55026 | The specified port name (port number) is invalid. | |
| 8505,55029 | The total cache size is invalid. | |
| 8505,55030 | The SLPR to which the CU belongs does not match the SLPR to which the LDEV belongs. | |
| 8505,55031 | A LUN cannot be set across multiple SLPRs. | |
| 8505,55032 | A LUSE volume cannot be set across multiple SLPRs. | |
| 8505,55033 | This port is already registered on a different SLPR. | |
| 1,55044 | At setup, contact maintenance personnel. | Check the settings, and retry the operation. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,55059 | The specified volumes cannot be used for migration. The specified source volume is a TrueCopy volume or a TrueCopy z/OS volume, but the specified destination volume is an external volume. | None. |
| 5205,55060 | The specified volume migration plan cannot be executed because the pair consists of a volume for which VMA is set for the data retention function, and a volume for which VMA is not set. | |
| 2,55206 | The set configuration information does not match the current configuration information. Revise the settings, and then retry the operation. | |
| 1005,55206 | The set configuration information does not match the current configuration information. Revise the settings, and then retry the operation. | |
| 6805,55209 | The specified volume is already reserved with a different owner ID by Volume Migration. | |
| 6805,55210 | The Block Option setting is incorrect. | |
| 6805,55211 | The Donot Block (Volume Level) option setting is incorrect. | |
| 6805,55212 | The options "Block Option" and "Donot Block (Volume Level)" cannot be specified at the same time. | |
| 6805,55213 | The Level 1 Threshold setting is incorrect. | |
| 6805,55214 | The Level 2 Threshold setting is incorrect. | |
| 6805,55215 | The Level 1 SIM setting is incorrect. | |
| 6805,55216 | The Level 2 Suspend setting is incorrect. | |
| 6805,55217 | The maximum number of valid SLPRs has been exceeded. | |
| 6805,55218 | The Level 1 Sleep setting is incorrect. | |
| 6805,55219 | The Sleep Time setting is incorrect. | |
| 6805,55220 | The SLPR number has been duplicated. | |
| 6805,55221 | The SLPR number has been duplicated. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,55223 | The owner ID of the disk subsystem being used by the user does not match the owner ID of the volume specified as the switch destination. | None. |
| 5205,55224 | The owner ID of the disk subsystem being used by the user does not match the owner ID of the specified reserve volume. | |
| 5205,55225 | The specified plan cannot be released. | |
| 5205,55226 | The specified migration plan cannot be canceled. | |
| 5205,55227 | The volume specified as the reserve volume has already been set as the reserve volume for Volume Migration by a different owner ID. | |
| 8505,55228 | This function is not available. Virtual Partition Manager is required to create an SLPR or CLPR. | |
| 6005,55230 | Port attributes assigned to SLPRs (except SLPR0) can only be changed to Target or LCP. | |
| 1,55231 | Application processing (processing to change the configuration) is executing on a different SLPR. Application processing (processing to change the configuration) cannot be executed simultaneously on multiple SLPRs. | |
| 8005,55243 | The total of Cache Residency size of the CLPRs and the total of all Cache Residency size in the subsystem are not equal. | |
| 8005,55244 | The cache residency size set for the CLPR exceeds the maximum settable size. | |
| 8005,55245 | The number of cache residency areas set for the CLPR exceeds the maximum number of settable cache residency areas. | |
| 8005,55246 | The total number of Cache Residency areas set for the CLPRs and the maximum number of the Cache Residency areas in the subsystem are not equal. | |
| 8005,55247 | The cache residency size set for the CLPR is not a multiple of 512 MB. | |
| 8005,55248 | Some NAS ports in the same CHN have different SLPR numbers set. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 8005,55249 | The SLPR number set for LUN 0000 or LUN 0001 in the NAS system group is different from the SLPR number set for the port. | None. |
| 8005,55250 | LUN 0005 to LUN 000A in the NAS system group are set to an SLPR other than SLPR 0. | |
| 8005,55251 | The mainframe volume is set to an SLPR other than SLPR 0. | |
| 5205,55252 | The specified source volume is an internal volume. The specified target volume is an external volume that belongs to a Cross-system Copy pair. Therefore, the specified volumes cannot be used for migration. | |
| 5205,55253 | The specified source volume is an external volume that does not belong to a Cross-system Copy pair. The specified target volume is an external volume that belongs to a Cross-system Copy pair. Therefore, the specified volumes cannot be used for migration. | |
| 5205,55254 | The specified source volume is an external volume that belongs to a Cross-system Copy pair. The specified target volume is an internal volume. Therefore, the specified volumes cannot be used for migration. | |
| 5205,55255 | The specified source volume is an external volume that belongs to a Cross-system Copy pair. The specified target volume is an external volume that does not belong to a Cross-system Copy pair. Therefore, the specified volumes cannot be used for migration. | |
| 5205,55256 | Both the specified source volume and the specified target volume are external volumes that form a Cross-system Copy pair. Therefore, the specified volumes cannot be used for migration. | |
| 5205,55257 | The specified volume(s) are already being used as data volume(s) by Universal Replicator or Universal Replicator z/OS. | |
| 5205,55258 | The specified volume(s) are already being used as data volume(s) by Universal Replicator or Universal Replicator z/OS. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5205,55259 | The specified volume(s) are already being used as data volume(s) by Universal Replicator or Universal Replicator z/OS. | None. |
| 1,55260 | A user who is currently logged in cannot be deleted. | |
| 405,55263 | The specified program product cannot be uninstalled because a license has not been allocated to the SLPR. | |
| 7005,55264 | The command was rejected because an attempt was made to create a pair consisting of a volume for which VMA is set for the data retention function, and a volume for which VMA is not set. | |
| 8005,55265 | The parity group containing the volume(s) for which Cache Residency is set cannot be migrated to another CLPR. Release the Cache Residency settings from the volumes, and then migrate the parity group. | |
| 605,55284 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55285 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55286 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55287 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55288 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55289 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55290 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,55291 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 605,55292 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55293 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55294 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55295 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55296 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55297 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55298 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55299 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,55300 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 7005,55301 | A pair cannot be created because the license capacity for the data retention function is insufficient. | |
| 605,55309 | An incompatible emulation type is defined for the specified external volume. | |
| 605,55310 | The declaration statement of the spreadsheet is duplicated. | |
| 605,55311 | The version number entered in the spreadsheet is invalid. | |
| 605,55312 | The function name entered in the spreadsheet is invalid (the name is not External). | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,55313 | The processing mode entered in the spreadsheet is invalid (the mode is not New). | None. |
| 605,55314 | The function tag (AddLU-PATH, AddLU-LDEV, or SetSSID) for executing processing is not in the spreadsheet. | |
| 605,55315 | The function tag (AddLU-PATH, AddLU-LDEV, or SetSSID) for executing processing is duplicated in the spreadsheet. | |
| 605,55316 | The function tag (AddLU-PATH or AddLU-LDEV) for executing processing is not in the spreadsheet. | |
| 605,55317 | The data length is invalid. | |
| 605,55318 | The number of data items entered in the spreadsheet has exceeded the limit. | |
| 605,55319 | The number of data items is invalid (there is no definition statement). | |
| 605,55340 | There is no entry for an item that requires an entry. | |
| 605,55341 | The number of digits is invalid. | |
| 605,55342 | The number of path settings specified in the spreadsheet is invalid. | |
| 605,55343 | A value specified in the spreadsheet is invalid. | |
| 605,55344 | An spreadsheet entry is duplicated. | |
| 605,55345 | There are no contents set to be shared by AddLU-PATH and AddLU-LDEV. | |
| 605,55346 | The path settings specified in AddLU-PATH are duplicated. | |
| 605,55347 | The LDEV information specified in AddLU-LDEV is duplicated | |
| 605,55348 | The format of the function tag is invalid. | |
| 605,55349 | The number of LDEVs specified in the AddLU-LDEV tag does not match the number of LDEV IDs. | |
| 605,55370 | The name for the emulation type is invalid. | |
| 605,55371 | An unsupported emulation type has been specified. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,55372 | The combination of the IO suppression mode and Cache mode is invalid. | None. |
| 605,55373 | The SLPR number cannot be acquired correctly. | |
| 605,55374 | The SSID number cannot be acquired correctly. | |
| 605,55375 | The specified external volume group number is duplicated in the spreadsheet. | |
| 605,55376 | The specified external volume group number is already being used. | |
| 605,55377 | An unset CLPR number has been specified. | |
| 605,55378 | The specified SSID value is already being used. | |
| 605,55379 | The capacity of the specified volume is outside the set range. | |
| 605,55380 | The position of the specified volume has already been set. | |
| 605,55381 | The position of the specified volume cannot be set. | |
| 605,55382 | The position of the specified volume cannot be set. | |
| 605,55383 | The specified device has already been defined. | |
| 605,55384 | The capacity of the specified LDEV does not match the capacity of the external volume. | |
| 605,55385 | The SSID value is not set. | |
| 605,55386 | The number of paths registered for one of the ports has reached the maximum. | |
| 605,55387 | A CU number that cannot be used by the subsystem was specified. | |
| 605,55388 | The program product has not been installed. | |
| 605,55389 | The specified external path was not found. | |
| 605,55390 | There is an error in the method for specifying the SSID. | |
| 605,55391 | An unsupported device was specified. | |
| 605,55392 | The specified SSID value is already being used. | |
| 605,55393 | There is an error in the path settings. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,55430 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 5205,55431 | The specified volume is already being used by FlashCopy Mirror Version 2. | |
| 5205,55432 | The specified volume is already being used by FlashCopy Mirror Version 2. | |
| 5205,55433 | The specified volume is already being used by FlashCopy Mirror Version 2. | |
| 3005,55505 | The specified operation cannot be performed because data pool volumes in the same pool have been specified to migrate to different CLPRs. | |
| 3005,55506 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55507 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55508 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55509 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55510 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55511 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55512 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55513 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55514 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,55516 | The specified function is not available because the program product COW Snapshot has not been installed. | None. |
| 3005,55517 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 3005,55519 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 5205,55521 | The specified volume is already being used as a COW Snapshot volume. | |
| 5205,55522 | The specified volume is already being used as a V-VOL. | |
| 5205,55523 | The specified volume is already being used as a data pool volume. | |
| 5205,55524 | The specified volume is already being used as a COW Snapshot volume. | |
| 5205,55525 | The specified volume is already being used as a V-VOL. | |
| 5205,55526 | The specified volume is already being used as a data pool volume. | |
| 5205,55527 | The specified volume is already being used as a COW Snapshot volume. | |
| 5205,55528 | The specified volume is already being used as a V-VOL. | |
| 5205,55529 | The specified volume is already being used as a data pool volume. | |
| 9105,55548 | The specified LDEV cannot be set because of the journal volume. | |
| 5205,55549 | The volume(s) are already being used as a JNL Volume by Universal Replicator or Universal Replicator z/OS. | |
| 5205,55550 | The volume(s) are already being used as a JNL Volume by Universal Replicator or Universal Replicator z/OS. | |
| 5205,55551 | The volume(s) are already being used as a JNL Volume by Universal Replicator or Universal Replicator z/OS. | |
| 5205,55552 | The specified plan is set across an internal volume and an external volume, and the volume is used by Universal Replicator or Universal Replicator z/OS. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,55553 | The specified port is not a fibre port. | None. |
| 1005,55554 | The specified WWN is not registered. | |
| 1005,55555 | The WWN value is not specified or is set to zero. | |
| 1005,55556 | The specified port is not an iSCSI port. | |
| 1005,55557 | The specified iSCSI name is not registered. | |
| 1005,55558 | The value of the iSCSI name is not specified or is set to zero. | |
| 1005,55559 | The specified package cannot be set because the package is for iSCSI. | |
| 1005,55560 | The fibre address, topology, channel speed, and initiator/target cannot be changed because the specified port is an iSCSI port. | |
| 1005,55562 | The specified LU cannot be used as a NAS system LU or is already being used as one. | |
| 1005,55563 | The specified LDEV cannot be defined as a NAS system LU. | |
| 1005,55565 | The specified system LU cannot be deleted because a NAS user LU exists. | |
| 1005,55567 | No NAS path can be set because the specified volume is a V-VOL. | |
| 1005,55568 | The nickname of the specified target name or iSCSI name is already registered. | |
| 1005,55569 | The specified group ID is already registered. | |
| 1005,55570 | One or more invalid characters were specified in the target name, target alias, iSCSI name, or nickname of the iSCSI name. | |
| 1005,55571 | The target cannot be set because the number of targets exceeds the maximum that can be set in a port. | |
| 1005,55572 | The iSCSI name cannot be set because the number of iSCSI names exceeds the maximum that can be set in a port. | |
| 1005,55573 | The default nickname cannot be specified in the nickname set for the iSCSI name. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1005,55574 | The setting cannot be changed because the specified port's attribute is Initiator or External. | None. |
| 8505,55577 | You cannot assign the CU number to the SLPR across multiple CU groups. | |
| 8505,55578 | You cannot assign the port to the SLPR across multiple CU groups. | |
| 8505,55579 | You cannot assign the SSID to the SLPR across multiple CU groups. | |
| 8505,55580 | You cannot assign the CLPR to the SLPR across multiple CU groups. | |
| 8505,55581 | You cannot assign the parity group to the CLPR across multiple CU groups. | |
| 9605,55584 | The specified LDEV does not belong to the selected CU group. | |
| 5205,55586 | The specified volume cannot be migrated because an extent in the volume is being shredded. | |
| 1,55589 | The specified CU group is invalid. | |
| 1005,55591 | The specified iSCSI target name cannot be registered because the name is reserved for Target#00. | |
| 5205,55598 | The specified volume is used as a Delta resync volume for Universal Replicator or Universal Replicator z/OS. | |
| 5205,55599 | The specified volume is used as a Delta resync volume for Universal Replicator or Universal Replicator z/OS. | |
| 5205,55600 | The specified volume is used as a Delta resync volume for Universal Replicator or Universal Replicator z/OS. | |
| 1205,56298 | The SVP is busy. Wait a while, and then retry the operation. | |
| 1205,56299 | I/O requests are being transmitted from the host connected via iSCSI. | |
| 1205,56300 | The SVP is busy. Wait a while, and then retry the operation. | |
| 3005,56301 | An error occurred during SVP processing. If this problem persists, contact the Support Center. | |
| 3005,56302 | An error occurred during SVP processing. If this problem persists, contact the Support Center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,56303 | An error occurred during SVP processing. If this problem persists, contact the Support Center. | None. |
| 105,56507 | The licensed capacity for a program product will become insufficient because of a configuration change. Add licensed capacity from the License Key panel. If you do not add licensed capacity in 10 days, the program product will be unavailable. | |
| 605,56507 | The licensed capacity for a program product will become insufficient because of a configuration change. Add licensed capacity from the License Key panel. If you do not add licensed capacity in 10 days, the program product will be unavailable. | |
| 3205,56513 | The specified emulation type does not permit LDEVs to be added. If you want to set the specified emulation type, contact the support center because the cache segment size must be changed. | |
| 3205,56514 | The operation to add an LU cannot be performed because the capacity of the specified volume is less than the required minimum. | |
| 605,56515 | The Disconnect Subsystem or Disconnect Volume operation must be executed for the target volume. | |
| 3205,56516 | Settings for Remote Copy exist. Cancel the settings for Remote Copy, and then try again. | |
| 605,56517 | Settings of ShadowImage, ShadowImage z/OS, FlashCopy Mirror, or COW SnapShot are defined. Cancel these settings, and then retry the operation. | |
| 3205,56517 | Settings of ShadowImage, ShadowImage z/OS or FlashCopy Mirror, COW SnapShot are defined. Cancel these settings, and then retry the operation. | |
| 605,56519 | Reservation settings of ShadowImage, ShadowImage z/OS, or FlashCopy Mirror are defined. Cancel these settings, and then retry the operation. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3205,56519 | Reservation settings of ShadowImage, ShadowImage z/OS, FlashCopy Mirror, or COW SnapShot are defined. Cancel these settings, and then retry the operation. | None. |
| 3205,56520 | A reserved volume setting for Volume Migration exists. Cancel the reserved volume setting for Volume Migration, and then try again. | |
| 105,56521 | The licensed capacity of some program products will be insufficient because of the Add LU operation. | |
| 605,56521 | The licensed capacity of some program products will be insufficient because of the Add LU operation. | |
| 1,56524 | The partitioned storage administrator cannot use this function. | |
| 2,56524 | The partitioned storage administrator cannot use this function. | |
| 305,56524 | The partitioned storage administrator cannot use this function. | |
| 405,56524 | The partitioned storage administrator cannot use this function. | |
| 505,56524 | The partitioned storage administrator cannot use this function. | |
| 605,56524 | The partitioned storage administrator cannot use this function. | |
| 3005,56524 | The partitioned storage administrator cannot use this function. | |
| 5205,56524 | The partitioned storage administrator cannot use this function. | |
| 6005,56524 | The partitioned storage administrator cannot use this function. | |
| 6505,56524 | The partitioned storage administrator cannot use this function. | |
| 6805,56524 | The partitioned storage administrator cannot use this function. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 7005,56524 | The partitioned storage administrator cannot use this function. | None. |
| 7105,56524 | The partitioned storage administrator cannot use this function. | |
| 8005,56524 | The partitioned storage administrator cannot use this function. | |
| 8305,56524 | The partitioned storage administrator cannot use this function. | |
| 8505,56524 | The partitioned storage administrator cannot use this function. | |
| 9005,56524 | The partitioned storage administrator cannot use this function. | |
| 2,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | To continue the operation, contact the storage administrator. To perform a different operation, push the Function button. |
| 305,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | |
| 3005,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | |
| 4105,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | |
| 5105,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | |
| 5205,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 5305,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | |
| 8005,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | To continue the operation, contact the storage administrator. To perform a different operation, push the Function button. |
| 9605,56525 | Usage permissions have been switched from the partitioned storage administrator to the storage administrator, because there are settings across multiple SLPRs. | |
| *,56526 | The resources of another SLPR cannot be accessed. | None. |
| 8505,56527 | The SLPR information owned by that user cannot be modified while another user is logged into Storage Navigator. | |
| 9605,56528 | The operation cannot be performed because the storage administrator is currently performing operations. | |
| 1,56529 | The SLPR that is available does not exist. | Contact the storage administrator and have the SLPR set. |
| 6505,56535 | Currently processing. | Wait for a while, and then retry the operation. |
| 605,56536 | The licensed capacity was exceeded because the configuration was changed. | Correct the permission capacity for the license in the License Key Partition Definition window. |
| 8505,56536 | The licensed capacity was exceeded because the configuration was changed. | |
| 2,56543 | Resources of another CU group cannot be accessed. | None. |
| 1005,56543 | Resources of another CU group cannot be accessed. | |
| 5105,56543 | Resources of another CU group cannot be accessed. | |
| 1,56545 | The operation failed because the audit log is being processed. Wait a while, and then retry the operation. | |
| 7,56546 | Another user is downloading the file or transferring the file to the FTP server. Wait for a while, and then retry the operation. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1,56548 | The SVP is transferring the file to the FTP server. Wait for a while, then retry the operation. | None. |
| 1,56549 | Another user is downloading the file or transferring the file to the FTP server. Wait for a while, and then retry the operation. | None. |
| 1,56550 | Transfer to the FTP server is disabled. Check the setting. | None. |
| 1,56551 | Failed to connect to the FTP server. Check the IP address, or the connection between the SVP and the FTP server. | None. |
| 1,56552 | The file transfer to the FTP server failed. Check the user ID and the password. | None. |
| 1,56553 | The file transfer to the FTP server failed. Check the output folder and the status of the FTP server. | None. |
| 1,56554 | The file transfer to the FTP server failed. If this problem persists, call the Support Center. | None. |
| 1,56555 | The complete operation is performed to all SIMs related to Audit Log. | None. |
| 1,56556 | Complete operation of SIMs failed because the number of audit logs that had not been transferred exceeded the threshold. | None. |
| 1,56557 | The complete operation of the SIM may not have completed since the SVP is busy. | None. |
| 505,57004 | A contradiction was detected in the CLPR information in the subsystem. Correct the CLPR information. | |
| 8005,57004 | A contradiction was detected in the CLPR information in the subsystem. Correct the CLPR information. | |
| 4105,57010 | The CLPR with the PCR definition differs from the SLPR of the NAS port. | |
| 1205,57099 | The request includes an unexpected parameter. | |
| 1205,57100 | An internal logic error was detected in the specified request. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,57101 | An error occurred during SVP processing. If this problem persists, contact the Support Center. | None. |
| 3005,57102 | An error occurred during SVP processing. If this problem persists, contact the Support Center. | |
| 1,57106 | An invalid value is included in the management file of the audit log. Retry the operation. | |
| 605,58246 | This function is not supported. | |
| 605,58247 | VMA is set for the specified primary volume. | |
| 605,58248 | VMA is set for the specified secondary volume. | |
| 605,58249 | The specified volume is being used as a NAS user volume. | |
| 605,58299 | The command was rejected because the specified P-VOL contains Universal Replicator settings. | |
| 7005,58299 | The operation failed because the specified P-VOL was a data volume of Universal Replicator. Check the requirements for joint use with Universal Replicator. | |
| 7105,58299 | The command was rejected because the specified S-VOL contains Universal Replicator Mainframe settings. | |
| 605,58300 | The command was rejected because the specified S-VOL contains Universal Replicator settings. | |
| 7005,58300 | The operation failed because the specified S-VOL was a data volume of Universal Replicator. | |
| 7105,58300 | The command was rejected because the specified T-VOL contains Universal Replicator Mainframe settings. | |
| 605,58301 | The command was rejected because the specified volume contains Universal Replicator settings. | |
| 7005,58301 | The reservation setting failed because the specified volume was a data volume of Universal Replicator. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 7105,58301 | The command was rejected because the specified volume contains Universal Replicator Mainframe settings. | None. |
| 8505,58310 | Some of the shared memory of the disk subsystem may be blocked, or maintenance operations are being performed for the disk subsystem. Check the status of the disk subsystem. If this problem persists, call the Support Center. | |
| 8505,58311 | Some of the cache memory of the disk subsystem may be blocked, or maintenance operations are being performed for the disk subsystem. Check the status of the disk subsystem. If this problem persists, call the Support Center. | |
| 8505,58312 | The configuration cannot be changed because the write pending rate of the target CLPR is too high. | Wait until the write pending rate falls, then retry the operation. |
| 8505,58313 | The configuration cannot be changed because the available Cache Residency size or the number of Cache Residency areas in the intended CLPR is insufficient. | Check the Cache Residency size and the number of Cache Residency areas. |
| 8505,58314 | The configuration cannot be changed because the available Partial Cache Residence size in the intended CLPR is insufficient. | Check the Partial Cache Residence size. |
| 8505,58315 | A maintenance job (Correction Copy, Drive Copy, LDEV formatting, LDEV shredding, or Extent shredding) is running in the disk subsystem. Retry the operation after the maintenance job finishes. | Contact the Support Center. |
| 8505,58316 | Parity groups in a CLPR are being migrated in the disk subsystem. Wait a while, and then retry the operation. | Wait for a while, then retry the operation. |
| 8505,58317 | CLPR capacity is being changed in the disk subsystem. Wait for a while, and then retry the operation. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 8505,58318 | An error occurred on the DKC, while obtaining information about the progress of the CLPR process. If this problem persists, call the Support Center. | None. |
| 6005,58319 | The pair cannot be created because the specified P-VOL is being used by Universal Replicator or Universal Replicator z/OS. | |
| 6005,58320 | The pair cannot be created because the specified S-VOL is being used by Universal Replicator or Universal Replicator z/OS. | |
| 6005,58321 | The pair cannot be created because the specified M-VOL is a LUSE volume that is set across the multiple CLPRs. | |
| 6005,58322 | The pair cannot be created because the specified R-VOL is a LUSE volume that is set across the multiple CLPRs. | |
| 8505,58323 | The CLPR that the parity groups belong to cannot be changed because the specified parity groups include only a part of the TrueCopy Async or TrueCopy Async Mainframe pair volumes in a CT group. | Specify the parity group so that all the pair volumes in CT group are contained. |
| 605,58330 | After executing an operation to disconnect a subsystem or volume, the operation to disconnect or check a path cannot be executed. | None. |
| 605,58331 | The path in the operation to disconnect or check a path was not found. | |
| 605,58332 | The external volume is blocked. | |
| 8505,58339 | The CLPR that the parity groups belong to cannot be changed because the specified parity groups contain only part of one of the following: a Universal Replicator volume of a journal group, a Universal Replicator z/OS volume of a journal group, or a journal volume. Make sure that you specify parity groups that contain all the volumes associated with the journal group. | |
| 7005,58351 | The Quick Restore command has been rejected, because the specified pair is composed of internal and external volumes, and also used as a Universal Replicator pair. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 7105,58351 | The Quick Restore command has been rejected, because the specified pair is composed of internal and external volumes, and also used as a Universal Replicator pair. | None. |
| 7005,58356 | The command was rejected because the specified volume is shared by Universal Replicator and TrueCopy. | |
| 6005,58357 | This pair cannot be created because an attempt was made to combine a volume for which VMA is set for the data retention function, and a volume for which VMA is not set. | |
| 6005,58358 | This pair cannot be created because processing to set VMA for Data Retention has not finished for the specified primary volume. | |
| 6005,58359 | This pair cannot be created because processing to set VMA for Data Retention has not finished for the specified secondary volume. | |
| 1205,58387 | A communication error occurred while executing the setting contents. | |
| 1205,58388 | PCB for iSCSI is not mounted. | |
| 1205,58389 | The specified function is not supported. | |
| 1205,58390 | The microprogram is being replaced in the disk subsystem. Wait until it has been replaced, and then retry the operation. | |
| 1205,58391 | The specified port is blocked. | |
| 1205,58392 | The port is in Link Down status. | |
| 1205,58393 | A communication error occurred while communicating with the iSNS server. | |
| 1205,58394 | An error occurred in registration processing in the iSNS server. | |
| 1205,58395 | An error occurred in deletion processing in the iSNS server. | |
| 1205,58396 | There is no object to be deleted in the iSNS server. | |
| 605,58397 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 605,58398 | An error occurred during processing on the SVP. If it happens again, contact the support center. | None. |
| 605,58399 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 605,58400 | An error occurred during processing on the SVP. If it happens again, contact the support center. | |
| 9605,58404 | The specified operation cannot be executed because LDEV shredding, extent shredding, or LDEV formatting is being executed. Wait until processing has completed, and then retry the operation. | |
| 605,58406 | The operation to delete an LU cannot be performed on a volume being used by Universal Replicator or Universal Replicator z/OS. | |
| 605,58407 | The operation to delete an LU cannot be performed on a journal volume of Universal Replicator. | |
| 605,58408 | The operation to disconnect a subsystem or volume cannot be performed because the status of the specified external volume is "Cache Cleanup". | |
| 605,58409 | The cache mode cannot be changed during an operation to disconnect a subsystem or volume. | |
| 605,58410 | The cache mode cannot be changed because bind mode is set for the specified volume. | |
| 605,58411 | The cache modes of the volumes that compose the LUSE volume are different. Set the same cache mode for the volumes that compose the LUSE volume. | |
| 9605,58412 | Data pool volume attributes cannot be changed. | |
| 9605,58413 | V-VOL attributes cannot be changed. | |
| 9605,58414 | Attributes for primary volumes and secondary volumes of COW Snapshot cannot be changed. | |
| 9605,58415 | VMA cannot be changed for the data pool volume. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 9605,58416 | VMA cannot be changed for the V-VOL. | None. |
| 9605,58417 | VMA cannot be changed for primary volumes and secondary volumes of COW Snapshot. | |
| 9605,58418 | The access attribute of the specified volume cannot be changed because it is Universal Replicator volume where copying is in progress, or is a pair volume. | |
| 9605,58419 | The access attribute of a primary or secondary volume for remote copy cannot be changed when VMA is set. | |
| 9605,58420 | VMA cannot be set for the specified logical volume because the specified logical volume is a LUSE volume. | |
| 9605,58421 | The VMA cannot be set because the volume is being used by Cross-system Copy. | |
| 9605,58422 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | |
| 9605,58423 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | |
| 9605,58424 | The specified logical volume is blocked. | |
| 9605,58425 | The VMA cannot be set for this logical volume because the logical volume is being used as a journal volume of Universal Replicator. | |
| 9605,58426 | An extent has already been made for this LDEV. | |
| 9605,58427 | The VMA is not set for this logical volume. | |
| 9605,58428 | An extent is not set for this LDEV. | |
| 9605,58429 | A protection period is set for this logical volume. | |
| 9605,58430 | VMA cannot be set to the specified logical volume because the volume is used as a logical volume for iSCSI. | |
| 9605,58431 | The VMA cannot be set for this logical volume because the logical volume is being used by Cross-system Copy. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 9605,58432 | VMA cannot be set for this logical volume because Volume Migration is using this logical volume. | None. |
| 9605,58433 | The access attribute is set for this extent. | |
| 9605,58434 | This logical volume is busy. | |
| 9605,58435 | This logical volume is busy. | |
| 9605,58436 | The access attribute for this logical volume has already been changed. | |
| 9605,58437 | VMA has been set for this logical volume. | |
| 9605,58438 | This logical volume has been configured as a command device. | |
| 9605,58439 | This logical volume is a NAS system volume. | |
| 9605,58440 | This logical volume is a NAS user volume. | |
| 9605,58441 | This logical volume is an iSCSI volume. | |
| 9605,58442 | The emulation type of this logical volume is not OPEN-V. | |
| 9605,58443 | This logical volume is a mainframe volume. | |
| 9605,58444 | The VMA cannot be set for this logical volume because the logical volume is being used by Remote Copy, ShadowImage, or Universal Replicator. | |
| 9605,58445 | The VMA cannot be set for this logical volume because the logical volume is being used by ShadowImage. | |
| 9605,58446 | VMA was set for a secondary volume of Universal Replicator. | |
| 9605,58447 | The command was rejected because an attempt was made to set VMA to a logical volume for which a path was set. | |
| 9605,58448 | The specified logical volume is blocked, or the LDEV is being formatted or shredded. | |
| 9605,58449 | The capacity of this logical volume is different from that of the external volume to which the logical volume is mapped. | |
| 9605,58450 | An error occurred during processing on the SVP side. If this problem persists, contact the support center. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,58452 | The operation failed because the licensed capacity of Data Retention on the RCU side was insufficient or Data Retention was not installed on the RCU. | None. |
| 605,58453 | The command was rejected because the licensed capacity for Data Retention was exceeded. | |
| 6005,58454 | The operation failed because the licensed capacity of Data Retention on the MCU side was insufficient or Data Retention was not installed on the MCU. | |
| 3005,58460 | This logical volume cannot be registered because it is not installed. | |
| 6005,58460 | The specified P-VOL is already used as a primary data volume of Universal Replicator or Universal Replicator z/OS. If you want to use the P-VOL in conjunction with one of these program products, recreate the Universal Replicator pair or the Universal Replicator z/OS pair by using a mirror ID other than 0, and then retry the operation. | |
| 3005,58461 | The specified operation cannot be performed because the logical volume is blocked. | |
| 3005,58462 | This logical volume cannot be registered because it is defined as a data pool volume. | |
| 3005,58463 | The specified logical volume cannot be registered because the CLPR number of the volume does not match the number for the logical volume already registered for the pool. | |
| 3005,58464 | The specified logical volume cannot be registered because it is a V-VOL. | |
| 3005,58465 | A volume set as a Command Device cannot be set as a component of a data pool volume. | |
| 3005,58466 | The specified logical volume cannot be registered because a SCSI path is set to this logical volume. | |
| 3005,58467 | The specified volume cannot be set as a data pool volume because the specified volume exceeds the licensed capacity. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,58468 | The emulation type of the logical volume is invalid. | None. |
| 3005,58469 | The specified logical volume is being used by another program product. | |
| 3005,58470 | The specified operation cannot be performed because the pool usage is 100% (full). | |
| 3005,58471 | The shared memory for the V-VOL management area is insufficient. | |
| 3005,58472 | An attempt to perform an operation on the pool has failed. The pool cannot be registered when:<br>▪ the V-VOL management area is not initialized.<br>▪ the V-VOL management area is not installed.<br>▪ there is no space left in the V-VOL management area.<br>▪ the pool is blocked.<br>▪ the state of shared memory is abnormal.<br>The pool cannot be deleted when:<br>▪ the V-VOL management area is not initialized.<br>▪ the V-VOL management area is not installed.<br>▪ a COW Snapshot pair still remains in the pool.<br>▪ a P-VOL remains in the pool.<br>▪ the pool is blocked.<br>The threshold of pool cannot be changed when:<br>▪ the threshold is set below the usage rate of the pool. | |
| 3005,58473 | An error occurred while setting the pool. Check the error message of the logical volume set for the pool. | |
| 3005,58474 | Shared memory is insufficient or an error occurred during SVP processing. | |
| 3005,58475 | The PCB for a fibre port or iSCSI port is not installed. | |
| 605,58476 | The operation cannot be performed because the specified primary volume is a primary volume for COW Snapshot. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 7005,58476 | The operation cannot be performed because the specified primary volume is a primary volume for COW Snapshot. | None. |
| 605,58477 | The operation cannot be performed because the specified primary volume is a V-VOL. | |
| 7005,58477 | The operation cannot be performed because the specified primary volume is a V-VOL. | |
| 605,58478 | The operation cannot be performed because the specified primary volume is a data pool volume. | |
| 7005,58478 | The operation cannot be performed because the specified primary volume is a data pool volume. | |
| 605,58479 | The operation cannot be performed because the specified secondary volume is a primary volume for COW Snapshot. | |
| 7005,58479 | The operation cannot be performed because the specified secondary volume is a primary volume for COW Snapshot. | |
| 605,58480 | The operation cannot be performed because the specified secondary volume is a V-VOL. | |
| 7005,58480 | The operation cannot be performed because the specified secondary volume is a V-VOL. | |
| 605,58481 | The operation cannot be performed because the specified secondary volume is a data pool volume. | |
| 7005,58481 | The operation cannot be performed because the specified secondary volume is a data pool volume. | |
| 605,58482 | The operation cannot be performed because the specified reserved volume is a primary volume for COW Snapshot. | |
| 7005,58482 | The operation cannot be performed because the specified reserved volume is a primary volume for COW Snapshot. | |
| 605,58483 | The operation cannot be performed because the specified reserved volume is a V-VOL. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 7005,58483 | The operation cannot be performed because the specified reserved volume is a V-VOL. | None. |
| 605,58484 | The operation cannot be performed because the specified reserved volume is a data pool volume. | |
| 7005,58484 | The operation cannot be performed because the specified reserved volume is a data pool volume. | |
| 3005,58491 | A communication timeout error occurred on the disk subsystem. Wait a while, and then try again. | |
| 7005,58492 | The Pairsplit-S operation has failed. Check the configuration. | |
| 7005,58493 | The PCB required for this operation is not mounted. Check the subsystem configuration. | |
| 6005,58494 | This pair cannot be created because COW Snapshot is using the specified primary volume. | |
| 6005,58495 | This pair cannot be created because COW Snapshot is using the specified secondary volume. | |
| 6005,58496 | This pair cannot be created because the specified primary volume is a V-VOL. | |
| 6005,58497 | This pair cannot be created because the specified secondary volume is a V-VOL. | |
| 6005,58498 | This pair cannot be created because the specified primary volume is being used as a data pool volume. | |
| 6005,58499 | This pair cannot be created because the specified secondary volume is being used as a data pool volume. | |
| 6005,58509 | A communication timeout error occurred between MCU and RCU. Wait a while, and then retry the operation. | |
| 6005,58515 | An inconsistency was detected during checking of the amount of copied migration data. Refer to the chapter describing checking of the amount of copied data in the data migration operation manual. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,58516 | An inconsistency was detected during checking of the amount of copied migration data. Refer to the chapter describing checking of the amount of copied data in the data migration operation manual. | None. |
| 7005,58520 | The operation failed because different versions of microprograms coexisted in the disk subsystem. | |
| 7005,58533 | The operation failed because the specified P-VOL was a journal volume. | |
| 7005,58534 | The operation failed because the specified S-VOL was a journal volume. | |
| 7005,58535 | The reserve volume setting failed because the specified volume was a journal volume. | |
| 7005,58536 | The operation failed because the specified S-VOL was a data volume of Universal Replicator. Check the requirements for using the volume jointly with Universal Replicator. | |
| 6005,58568 | A pair cannot be created because the specified P-VOL is being shredded by Data Retention. Wait until shredding finishes, and then retry the operation. | |
| 6005,58569 | A pair cannot be created because the specified S-VOL is being shredded by Data Retention. Wait until shredding finishes, and then retry the operation. | |
| 3005,58570 | The virtual volume management area is being used. Delete the COW SnapShot pair(s), and then retry the operation. | |
| 3005,58571 | The specified operation cannot be executed because the pool volume is not mounted. | |
| 3005,58572 | An error occurred during communication with the disk subsystem. Wait a while, and then retry the operation. If the error occurred in a pool operation, initialize the V-VOL management area, and click [Refresh All] to refresh the configuration. | |
| *,58573 | This function is not supported. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3005,58574 | An error occurred while connecting to the disk subsystem. Wait a while, and then retry the operation. | None. |
| 3005,58575 | An error occurred while connecting to the disk subsystem. Wait a while, and then retry the operation. | |
| 3005,58576 | A communication timeout error occurred in the disk subsystem. Wait a while, and then retry the operation. | |
| 6005,58577 | The operation to erase an S-VOL cannot be performed. Delete the pair. | |
| 2,58578 | An error occurred in the disk subsystem. The configuration may be inconsistent. Click [All Refresh] and refresh the configuration. | |
| 7005,58579 | The operation failed because the specified volume is being shredded by Data Retention. Wait until shredding finishes, and then retry the operation. | |
| 1205,58581 | The iSNS server could not be registered or deleted because the target port has not been created. | |
| 7005,58582 | The operation failed because the specified S-VOL was used by COW Snapshot. | |
| 7005,58583 | The operation failed because the volume was shared by a COW Snapshot pair. | |
| 7005,58584 | The operation failed because the volume was shared by a COW Snapshot pair in COPY (RS-R) status. | |
| 605,58585 | The operation failed because the CU group of the specified volume is not supported. | |
| 7005,58585 | The operation failed because the CU group of the specified volume is not supported. | |
| 6005,58586 | The operation failed because the host did not allow the specified R-VOL to be used as an R-VOL. | |
| 605,58622 | The LU cannot be deleted from the external volumes which include pool volumes. Release the pool volume setting and then retry the operation. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 105,58623 | The specified operation cannot be performed, because the COW Snapshot pair using the pool volumes to be maintained is in PSUS status or being restored. Resynchronize the pair or release the pair definition, and then retry the operation. | None. |
| 605,58623 | The specified operation cannot be performed, because the COW Snapshot pair using the pool volumes to be maintained is in PSUS status or being restored. Resynchronize the pair or release the pair definition, and then retry the operation. | |
| 105,58626 | A COW Snapshot pair is defined. Cancel the pair definition, and then retry the operation. | |
| 605,58626 | A COW Snapshot pair is defined. Cancel the pair definition, and then retry the operation. | |
| 605,58630 | The operation failed because the specified P-VOL was used by Delta resync of Universal Replicator. | |
| 7005,58630 | The operation failed because the specified P-VOL was used by Delta resync of Universal Replicator. | |
| 605,58631 | The operation failed because the specified S-VOL was used by Delta resync of Universal Replicator. | |
| 7005,58631 | The operation failed because the specified P-VOL was used by Delta resync of Universal Replicator. | |
| 7005,58632 | The reserve volume setting failed because the specified volume was used by Delta resync of Continuous Access XP - Journal. | |
| 6005,58640 | The Add Pair operation failed. The volume pair cannot be created with Time Stamp set, because RCU does not support 4x4x4 cascade function. | |
| 6505,58641 | The specified volume cannot be used as a journal volume because the volume is set by Cache Residency or Cache Residency z/OS. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 105,58710 | The specified volumes include remote command devices registered in the extended consistency group of Universal Replicator z/OS(R). Delete all journal groups registered in the extended consistency group to delete the remote command devices. | None. |
| 605,58710 | The specified volumes include remote command devices registered in the extended consistency group of Universal Replicator z/OS(R). Delete all journal groups registered in the extended consistency group to delete the remote command devices. | |
| 7005,58711 | The operation failed because the specified MU number was already used. Specify other MU numbers. | |
| 6005,58712 | The licensed capacity of TrueCopy or TrueCopy z/OS on the RCU is insufficient. Check the licensed capacity of this program product and the related program products. The related program products are:<br>▪ TrueCopy or TrueCopy z/OS(R)<br>▪ TrueCopy Async or True Copy Async z/OS(R). | |
| 6005,58713 | The licensed capacity of TrueCopy Async or True Copy Async z/OS on the RCU is insufficient. Check the licensed capacity of this program product and the related program products. The related program products are:<br>▪ TrueCopy or TrueCopy z/OS(R)<br>▪ TrueCopy Async or True Copy Async z/OS(R). | |
| 6005,58714 | The licensed capacity of TrueCopy or TrueCopy z/OS on the MCU is insufficient. Check the licensed capacity of this program product and the related program products. The related program products are:<br>▪ TrueCopy or TrueCopy z/OS(R)<br>▪ TrueCopy Async or True Copy Async z/OS(R). | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 6005,58715 | The licensed capacity of TrueCopy Async or True Copy Async z/OS on the MCU is insufficient. Check the licensed capacity of this program product and the related program products. The related program products are:<br>▪ TrueCopy or TrueCopy z/OS(R)<br>▪ TrueCopy Async or True Copy Async z/OS(R.) | None. |
| 605,58905 | Extended shared memory for Universal Volume Manager is not installed. | |

# 4

# Lightning 9900V series Messages

This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for the Lightning 9900V series.

☐ Details About Lightning 9900V series Messages

# Details About Lightning 9900V series Messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem. This section lists and describes the error messages from the Lightning 9900V series that are contained in Hitachi Device Manager messages.

If you are unable to resolve the conditions of an error, see Calling the Hitachi Data Systems Support Center for instructions on calling the Hitachi Data Systems Support Center.

When a Device Manager message contains a message from the Lightning 9900V series, the Device Manager displays two types of error code identifying the Lightning 9900V messages and the message text. Table 4-1 lists and describes the Lightning 9900V messages that are displayed by Hitachi Device Manager.

***Note:*** The list of messages below shows error codes 1 and 2, separated by a comma. The asterisk ("*") indicates that the error code output varies. If a displayed error code does not match any of the codes listed below, see the explanation for the message labeled *,*.

**Table 4-1 Lightning 9900V Messages**

| Error Code | Description | Recommended Action |
|---|---|---|
| *,* | An error has occurred in the subsystem. If you cannot solve this problem, contact the Support Center. | If the problem persists, contact the Support Center. |
| 3,1002 | You have set the Command Device for the volume to be used by TrueCopy or ShadowImage. | Review the settings. |
| 3,1003 | You have attempted to specify more than one Path from one Group to the same volume. | |
| 3,1004 | You have attempted to set more than one volume for one Port/GroupID/LUN combination. | |
| 3,1005 | When you change the Path configuration, you cannot specify for the following volumes. 1. The volumes that have not been implemented. 2. The volumes other than the top volume of the LUSE. 3. HIHSM Reserve Volumes 4."On-Demand" volumes. | |
| 3,1007 | You have attempted to delete the last Path to TrueCopy volume or ShadowImage volume. | Correct the LU Path settings, and issue a request to set the configuration information again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1009 | The emulation type of the volume to be connected as a part of a LUSE is not Open volume. | Review the settings. |
| 3,1010 | You have attempted to set a LUSE that includes a LU that has already been extended. | |
| 3,1011 | The volumes to be connected as a LUSE extend across CU#. | |
| 3,1012 | A LU Path is set for the volumes to be connected as a LUSE. | |
| 3,1013 | The emulation types of the volumes to be connected as a LUSE are not the same. | When specifying volumes as a LUSE, you must use volumes with the same emulation types, sizes, and attributes (you cannot specify Normal Volume and Customized Volume together.). |
| 3,1015 | A LU Path is set for the LUSE to be released. | Remove the Path for the target volume before releasing the LUSE. |
| 3,1018 | The Port for which you have specified to change the configuration does not exist. | You may have specified a Port that has not been implemented, or a Mainframe Port. Review the specified Port. |
| 3,1020 | An invalid LUN has been specified. | Review the settings. |
| 3,1021 | The specified volume does not exist. | You may have specified a volume that has not been implemented, or a Mainframe volume. Review the specified volume. |
| 3,1022 | An invalid Host Mode has been specified. | Review the settings. |
| 1010,1023 | An invalid Fibre Address has been specified. | |
| 3,1024 | Invalid Fibre Topology information has been specified. | |
| 3,1025 | The specified LU Path does not exist. | |
| 3,1027 | You have specified an invalid value in the Command Device settings. | |
| 3,1028 | The maximum number of volumes that can be connected as a LUSE has been exceeded. (MAX 36). | |
| 3,1029 | The volumes you have tried to connect as a LUSE do not have the same volume size. Or, you have tried to connect a Customized Volume and a Normal Volume together. | When specifying volumes as a LUSE, you must use volumes with the same emulation types, sizes, and attributes (you cannot specify Normal Volume and Customized Volume together.). |
| 3,1035 | You did not set the required Subsystem ID when you performed a CVS operation. (INSTALL CV/Volume Initialize) | Set the Subsystem ID required for adding a volume, and issue a request to change the configuration again. (Note that you can either specify Boundary with 64 or 256.) For more details, contact the Support Center. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1036 | When specifying the Customized Volume, you have specified the size that is outside the legal value range. (The value specified is either less than the minimum value or greater than the maximum value.) | Note that the legal value range may differ depending on the emulation type of the target volume. |
| 3,1037 | There is not enough space left in the Logical Parity Group to create a CV. | When you specify the value, consider the fact that the number of LDEVs that can be stored in a Parity Group may vary depending on a Drive Type and a RAID Type. For more details, contact the Support Center. |
| 3,1038 | You have specified emulation types for CV that cannot be used together. Or, you have specified the emulation types that are not supported. | Since each emulation type has a different definition, contact the Support Center for more details. |
| 3,1039 | When you perform CVS operations, you cannot specify for the following volumes. 1. The volumes to which LU Path is set. 2. The volumes which are connected as an expanded LU. 3. The volumes where LDEV Security is set. | Review the target volume. |
| 3,1040 | An internal logical error has occurred. | Contact the Support Center. |
| 3,1041 | The CU number or the LDEV number specified in the CVS operation is already used by other volumes. | Review the settings. |
| 3,1043 | You have instructed to perform an CVS operation on a Logical Parity Group which has not been implemented. | |
| 3,1044 | When you performed a CVS operation (Volume Initialize), the number of volumes to be returned to Normal Volumes and the number of volumes requested by Volume Initialize were not the same. | |
| 3,1045 | The specified Subsystem ID already exists. | |
| 3,1049 | When you performed a CVS operation (Volume Initialize), you did not specify a CV within the Logical Parity Group. | |
| 3,1050 | When you change the configuration for a LUSE, you cannot specify for the following volumes. 1. HIHSM (hierarchy control function) Reserve volumes 2. "On-Demand" volumes | |
| 3,1051 | You have specified an incorrect emulation type in the CVS operation. | |
| 3,1059 | You have set LUN Management Function (LUN Security) for a Port that is not a Fibre Port. | |
| 3,1061 | You have attempted to perform a LUN Security operation on the Port for which LUN Security Function is disabled. | Switch on the Security. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1062 | When you performed a CVS operation, you specified a wrong emulation type of a volume, and the way in which the size of the volume is specified does not correspond to its emulation type. | Specify the user-defined Cylinder number for Mainframe volumes, and specify user-defined size for Open volumes. |
| 3,1063 | You have attempted to register an existing WWN number. | Review the settings. |
| 1110,1064 | You have attempted to register an existing WWN. | |
| 3,1065 | You have attempted to register an existing WWN nickname or an existing Host Group nickname. | |
| 1110,1065 | You have attempted to register an existing WWN nickname or an existing Host Group nickname. | |
| 3,1066 | You have specified a WWN number that has not been registered (at the time of deletion or modification) | |
| 3,1067 | You have attempted to register an existing Host Group number. | |
| 3,1068 | You have specified an unregistered Host Group. | |
| 3,1074 | The CU you have specified when performing the CVS operation (Install CV) is invalid. | |
| 3,1075 | You have specified different types of CVS operations (Volume Initialize, Install CV, Volume to Space) in a single request to set the configuration information. | Specify one of the operation types when performing a CVS operation. |
| 3,1101 | You have requested a CVS operation for a volume that has not been implemented. | Review the settings. |
| 3,1102 | At least one LDEV is required in a Parity Group, so further reduction is impossible. | |
| 3,1103 | You have instructed to perform a CVS operation on the Parity Group, which has not been implemented. | |
| 3,1104 | You have tried to specify a SubSystem ID without performing a CVS operation. | Issue a request to change the SubSystem ID when you perform a CVS operation. |
| 3,1108 | When you change the configuration for Command Device, you cannot specify for the following volumes. 1. HIHSM Reserve volumes 2. "On-Demand" volumes 3. Volumes other than Open volumes (including the volumes not yet implemented) | Review the volume to which the Command Device is set. |
| 1110,1110 | You have specified invalid characters in the Host Group nickname or the WWN nickname. | You cannot use \/:,;*?"<>\|, and you cannot place a blank at the top or at the end of the string. |
| 3,1111 | You did not specify a nickname when you issued a request to change the configuration for LUN-Security. | Make sure to specify a Host Group nickname. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1113 | The volume you have tried to create in the CVS operation is currently used to provide the HPAV function. | Change the specified volume ID, or release the HPAV settings. |
| 3,1116 | You did not specify a value when you registered the WWN. Or, you specified 0 for the WWN value. | Make sure to specify the WWN value before issuing a request to change the configuration. |
| 3,1123 | You have requested to set the Command Device Security, but the Command Device has not been set to the volume. | You need to set the Command Device to the volume before or at the same time you set the Command Device Security. |
| 3,1124 | There is an error in the Command Device/Command Device Security settings. You cannot do the following on the same volume. 1.Setting the Command Device + Releasing the Command Device Security 2.Releasing the Command Device + Setting the Command Device Security | Review the settings. |
| 3,1125 | There are no Host Groups to which the WWN is registered. | |
| 3,1126 | Some volumes, which you have tried to connect as a LUSE, have the Command Device settings. | |
| 3,1127 | You have specified CHA high speed mode, but the CHA has not been implemented. | Review the Channel Package. |
| 3,1128 | You have requested to change the channel speed, but the version of Fiber PCB is not supported. | |
| 3,1129 | When you registered the WWN in the LUN-Security operation, the maximum number of WWN that can be registered (MAX 255) was exceeded. | Review the settings. |
| 3,1130 | When registering the Host Group nickname and the WWN nickname, you specified an invalid nickname. (xx-G00: xx is a Port name, such as 1A, 1B) | |
| 3,1131 | When setting the Host Group (add/change/delete), you specified a value larger than the maximum value (0 to 127) allowed for the Port. | |
| 3,1132 | When setting the WWN (add/change), you specified a value larger than the maximum value (0 to 254) allowed for the Port. | |
| 3,1133 | When setting the Host Mode, you specified a value for Host Group ID that is larger than the maximum value allowed for the Port. | |
| 3,1134 | When setting the Path (add/change), you specified a value larger than the maximum value allowed for the Port. (When Security Switch is OFF:256 / When Security Switch is ON: 512) | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1135 | When setting the Port Information (Fibre Address/Fibre Topology/Channel Speed), you provided more than one instruction to make changes to the same Port. | Multiple configurations are specified for the port for which you attempted to change the configurations. |
| 3,1136 | When setting CHA high speed mode, you provided more than one instruction to make changes to the same Port. | Review the settings. |
| 3,1137 | When setting LUSE, you specified a value larger than the maximum value allowed in DKC (MAX. 4096). | |
| 3,1140 | You cannot change it as it has the settings for Port Group. | Release the settings for Port Group. |
| 3,1142 | The specified LDEV cannot be changed as it has LDEV Security Settings. | Release the LDEV Security settings for the LDEV, and then specify the LDEV again. |
| 3,1143 | This error normally does not occur. Contact the party who created the program. | This error normally does not occur. Contact the party who created the program. |
| 3,1144 | The LDEV on which you have specified to perform a CVS operation is specified to be a LUSE. | Release the LUSE settings for the LDEV, and then respecify the LDEV on which the CVS operation is performed. |
| 3,1145 | You have attempted to change Fibre Address, Topology, Channel Speed, Security Switch, Initiator/Target of a Port on E-NAS. | Review the settings. |
| 3,1146 | You attempted to add a Path to a User group in E-NAS, but you failed because the status of the System LU has not been defined. | Set the System LU in SVP. |
| 3,1147 | You have attempted to add a Path to an LDEV that has been defined to be used for System LU in E-NAS. | Review the settings. |
| 3,1148 | You have specified the Intermediate volume as User LU of E-NAS. | |
| 3,1149 | You have attempted to set (add/delete) a Path to the System LU Group in E-NAS. | |
| 3,1150 | You have specified CMDDEV for the LDEV that is defined for System LU in E-NAS. | |
| 3,1151 | You have attempted to change the speed mode by specifying a package for E-NAS (CHA). | |
| 3,1154 | When specifying OPEN-V, you specified a volume with a different size including LUSE. | This error normally does not occur. Contact the party who created the program. |
| 3,1156 | When specifying OPEN-V, you specified a volume with different CU including LUSE. | Review the settings. |
| 3,1159 | When specifying OPEN-V, you specified more than 2[TB] of size of a volume including LUSE. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1169 | You have specified the same Logical PG for the old settings and the new settings where both settings exist. | This error normally does not occur. Contact the party who created the program. |
| 3,1175 | Fibre port settings cannot be made for an iSCSI port. | Review the settings. |
| 3,1176 | High-speed mode cannot be set for iSCSI packages. | |
| 3,1180 | You have specified System-LU and other LUs with 1 PDU. | |
| 3,1181 | You have specified to add a Path to a volume with a Remote Copy Pair, but the Path cannot be added. | |
| 3,1182 | You have attempted to set more than 2TB for LUSE. | |
| 3,1183 | You have attempted to set Point to Point for a high speed mode PCB port. | |
| 3,1184 | In the high speed mode, you have attempted to set a Fiber Address that already exists. | |
| 3,1192 | A command device setting cannot be made for a volume for which a path from an iSCSI port is defined. | |
| 3,1201 | You have specified CHA high speed mode, but some Paths you have specified cannot be set to high speed mode. (CHA SPEED is not always the same) | |
| 3,1203 | You have specified CHA high speed mode, but some Fiber Addresses of the Port you have specified cannot be set to high speed mode. (Fibre Address is always the same) | |
| 3,1204 | You have specified CHA high speed mode, but some Fibre Topologies of the Port you have specified cannot be set to high speed mode. (not all are specified to use FC-AL) | Review the settings. |
| 3,1350 | Since the Port to which you have tried to set the Path is a Port for Fibre TrueCopy, you cannot use it. | In order to be able to set the path, change the attribute of the port. (Change the attribute to Target or RCU Target.) |
| 3,1351 | Some Ports to which you have tried to set the CHA high speed mode have different attributes. | When specifying CHA high speed mode, set the same attribute to all the Ports. |
| 3,1352 | Since the logical Path for Fibre TrueCopy is set to the port you have tried to specify, you cannot change it. | Release the logical Path, and then issue a request to change the configuration again. |
| 3,1353 | Since the S-VOL logical Path is set to the Port you have tried to specify, you cannot change it. | Delete the S-VOL logical Path that is set to RCU Target Port, and then specify the settings. Issue a request to change the configuration again. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,1354 | Since the Port you have tried to set has an Initiator attribute, you cannot change it. | Change the attribute of the Port. (Change the attribute to Target or RCU Target.) |
| 3,1355 | Since the Port you have tried to set has an Initiator attribute, you cannot change it. | |
| 3,1356 | Since the Port you have tried to set has an Initiator attribute, you cannot change it. | |
| 3,1357 | Since the Port you have tried to set is a port used for Fibre TrueCopy, you cannot set it. | After deleting the logical Path, set it again. |
| 3,1600 | The program that allows you to use the functions of LUN Management is not installed. Alternatively, the program is no longer available as it has expired. | Install the required program. (Since there are three different series of programs, after the program has expired, you may not be able to install another one.) |
| 3,1601 | The program that allows you to use the functions of Open Volume Management is not installed. Alternatively, the program is no longer available as it has expired. | |
| 3,1602 | The program that allows you to use the functions of Volume Management is not installed. Alternatively, the program is no longer available as it has expired. | |
| 3,1603 | The program that allows you to use the functions of Open Cache Management is not installed. Alternatively, the program is no longer available as it has expired. | |
| 4105,1603 | The program that allows you to use the functions of Open Cache Management is not installed. Alternatively, the program is no longer available as it has expired. | |
| 3,1604 | The program that allows you to use the functions of Cache Management is not installed. Alternatively, the program is no longer available as it has expired. | |
| 3,2002 | You have failed to establish a communicating connection between the DKCs (SVPs). | Review the LAN settings. If the problem persists after reviewing the settings, contact the Support Center. |
| 3,2003 | You have failed to retrieve the configuration information. | Check for SVP if the status of DKC is normal. If the problem persists after checking the status, contact the Support Center. |
| 3,2004 | The files required by the application cannot be loaded. | Since it is likely that there is not sufficient memory, reboot SVP and try again. If the problem persists after reviewing the settings, contact the Support Center. |
| 3,2005 | The amount of memory required by the application cannot be secured. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,2009 | The version of microcode in SVP and the version of microcode in DKC are not the same. | Review the versions of microcode in SVP and DKC. |
| 3,2010 | The host for the target Path/volume may be generating I/O. | Check if the host for the target Path/volume is generating I/O. |
| 3,2011 | Check the status of DKC (if it is blocked or not). | If the problem persists after reviewing the settings, contact the Support Center. |
| 3,2012 | A Port blockage error has occurred. | Contact the Support Center. |
| 2,2013 | Requests to change the configuration for different P.P.s have been received at the same time. | Review the settings, then retry. |
| 3,2013 | A download error has occurred. | Contact the Support Center. |
| 3,2014 | A Port recovery error has occurred. | |
| 3,2015 | A communication error occurred between SVP and DKC. | Revise the LAN settings. If the problem persists after revising the settings, contact the Support Center. |
| 2,2016 | Another user is changing the configuration, or the configuration is being changed. | Wait for a while, then retry. |
| 3,2016 | A SNMP user or maintenance staff is accessing the system in Modify mode. | |
| 3,2017 | Lock has been released. | After obtaining Lock, change the configuration again. |
| 3,2022 | A CVS process is being performed in DKC. | Wait for a while and issue a request to change the configuration again. |
| 3,2033 | The system is in the process of initial start-up, or internal refresh. | |
| 3,2081 | An error has occurred during the CVS increase/decrease process. | Contact the Support Center. |
| 3,2082 | It is being mounted by a host, or the cluster configuration option has been selected. | Since it is being mounted by a host, or the cluster configuration option is being selected, cancel these states. |
| 3,2083 | An error has occurred during the process to change the configuration on the DKC. | Check the status of DKC for the current configuration settings. If necessary, perform the set up operation again. |
| 3,2084 | The result of changing the configuration is unknown. | |
| 3,2085 | An error has occurred during the precheck of a CVS operation. (While performing COPY of TrueCopy/ShadowImage) | Wait a while, then retry. |
| 3,2086 | An error has occurred during the precheck of a CVS operation. (The configuration for TrueCopy/ShadowImage has been defined.) | Release the configuration definition of TrueCopy/ShadowImage, then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,2087 | An error has occurred during the precheck of a CVS operation. (Vary Online has been issued from Mainframe host.) | Issue Vary Offline from the Mainframe host you are connected to. |
| 3,2088 | An error has occurred during the precheck of a CVS operation. (TrueCopy is being suspended.) | Add an alternative Path. |
| 3,2089 | An error has occurred during the precheck of a CVS operation. (The specified CHA may include the last path between MCU and RCU of TrueCopy.) | Check that there is an alternative path from MCU first. |
| 3,2090 | An error has occurred during the precheck of a CVS operation. (The ShadowImage option has been set.) | Release the settings for ShadowImage, or stop the I/O, then retry. |
| 3,2091 | An error has occurred during the precheck of a CVS operation. (The back up server for ShadowImage is running.) | Stop the backup server, then retry. |
| 3,2092 | An error has occurred during the precheck of a CVS operation. (A ShadowImage Pair is included.) | Separate the ShadowImage Pair. |
| 3,2093 | An error has occurred during the precheck of a CVS operation. (A ShadowImage Pair is included.) | Resynchronize the ShadowImage Pair. |
| 3,2094 | An error has occurred during the precheck of a CVS operation. (A ShadowImage Pair is included.) | Change the ShadowImage volume to Simplex. |
| 3,2095 | An error has occurred during the precheck of a CVS operation. (A maintenance related operation is being performed.) | Wait for a while, then retry. |
| 3,2096 | An error has occurred during the precheck of a CVS operation. (The function is not supported on the main side. The specified function is not supported.) | Contact the Support Center. |
| 3,2097 | The specified WWN is doing I/O, or you have issued a request to an unregistered WWN or a WWN used by a group. | Review the specified WWN and check if it has been registered or not, release from the Host Group, or stop the I/O from the host. Then, retry. |
| 3,2170 | The I/O during running Extended Copy Manager may not have been stopped. | Stop the I/O during running Extended Copy Manager. |
| 3,2201 | Processing cannot be performed because of the Open LDEV Guard settings. | Review the settings, then retry. |
| 3,3000 | The system has failed to retrieve a pointer from an external function that is required within the application. | Try again after rebooting SVP. If the problem persists, contact the Support Center. |
| 3,3001 | The system has failed to retrieve a pointer from an external function that is required within the application. | |
| 3,3002 | The interfaces between the applications are inconsistent. | |

| Error Code | Description | Recommended Action |
|---|---|---|
| 3,3003 | An unexpected error has occurred. | Try again after rebooting SVP. If the problem persists, contact the Support Center. |
| 3,3004 | The process to manage the configuration information has failed. | |
| 3,3005 | The process to manage the configuration information has failed. | |
| 3,3006 | An error occurred in accessing the file that is required within the application. | |
| 3,3007 | An interface logical error within the application has been detected. Or, an unregistered error has occurred. | Contact the Support Center. |
| 1,4002 | There is no data in the authorization file, so login failed. | It is necessary to register the authorization data. Contact the Support Center. |
| 1,4003 | Login failed. The inputted user ID is incorrect. | Input a correct user ID, then retry. |
| 1,4004 | Login failed. The inputted password is incorrect. | Input a correct password, then retry. |
| *,4005 | The user ID is already logged in. | Wait a while, then retry. |
| *,4011 | There is no RMI object or forcible logoff was carried out. | Attempt to login again. |
| *,4012 | The maximum number of RMI connections was exceeded. | The maximum number of users are logged on. Wait for a while, then retry. |
| *,4020 | The lock was canceled by force. | The lock was cancelled. You need to re-lock. |
| 405,5047 | An error has occurred during INSTALL/DEINSTALL operation. | If the problem persists, contact the Support Center. |
| 405,5070 | P.P. code is not matching. | Check the P.P. code, then retry. |
| *,5132 | The user of a same name has already logged in. | Login again using the other user name. |
| *,5510 | This subsystem is under configuring or maintenance. Wait for a while, and then retry. | Wait for a while, then retry. |
| *,5511 | P.P. required for this function is not installed. | Install P.P. required for this function, and then retry. |
| *,5626 | The specified volume cannot be used because write protection is set by LDEV Guard. | Change the LDEV Guard settings. |
| 7010,5653 | The Command was rejected because a path is defined from an iSCSI port for the specified volume. | Select a volume for which a path from an iSCSI port does not exist. |
| 8105,5789 | The intermediate volume cannot be specified as a command device. | Check the specified LDEV. |
| 4,6001 | A timeout has occurred. The SVP will reboot. Wait a while, and then retry. | If the problem persists, contact the Support Center. |
| 2,6502 | The subsystem is busy. | Wait a while, then retry. |

| Error Code | Description | Recommended Action |
|---|---|---|
| 1010,6509 | The specified host mode is invalid. | Check the specified host mode. |
| 6005,8940 | The operation failed because the specified R-VOL is Read Only by LDEV Guard. | Check if the attribute of the specified R-VOL is Read Only in LDEV Guard. |
| 6005,8944 | The specified S-VOL is not available because an attribute of the S-VOL was changed by Open LDEV Guard. | Check the status of the specified S-VOL. |
| 6005,8974 | You cannot create a pair because a path is defined from an iSCSI port to the specified P-VOL. | Check the status of the specified P-VOL. |
| 6005,8975 | You cannot create a pair because a path is defined from an iSCSI port to the specified S-VOL. | Check the status of the specified S-VOL. |
| 2,9000 | Another user has locked. | Wait a while, then retry. |

# 5

# Lightning 9900 Messages

This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Lightning 9900.

☐ Details About Lightning 9900 Messages

# Details About Lightning 9900 Messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem. This section lists and describes the error messages from Lightning 9900 that are contained in Hitachi Device Manager messages.

If you are unable to resolve the conditions of an error, see Calling the Hitachi Data Systems Support Center for instructions on calling the Hitachi Data Systems Support Center.

The following table lists and describes the Lightning 9900 messages that are displayed by Hitachi Device Manager.

***Note:*** The asterisk ("*") indicates that the error code output varies. If a displayed error
code does not match any of the codes listed below, see the explanation for the message labeled *.

**Table 5-1 Lightning 9900 Messages**

| Error Code | Error Message | Recommended Action |
|---|---|---|
| * | An error has occurred in the subsystem. If you cannot solve this problem, contact the Support Center. | If the problem persists, contact the Support Center. |
| 1 | Normal end | None. |
| 2 | Processing (busy) | |
| 1000 | The setting requests for Host Modes 0xN1 and 0xN2 (N: the four high-order bits can be any value) are not identical on the corresponding Ports of cluster-1 and cluster-2. (The corresponding Ports of both clusters were not set at the same time.) | Correct the Host Mode specification and issue the configuration information setting request again. |
| 1002 | An attempt was made to set the TrueCopy volume or ShadowImage volume as the command device. | Correct the command device specification and issue the configuration information setting request again. |
| 1003 | An attempt was made to set multiple Paths from a single Port to the same volume. | Correct the LU Path specification and issue the configuration information setting request again. |
| 1004 | An attempt was made to set multiple volumes for a single Port/SCSI ID/LUN combination. | |
| 1005 | An attempt was made to define a Path to a volume other than the top volume of the LUSE. | |
| 1007 | An attempt was made to delete the last Path to the TrueCopy volume or ShadowImage volume. | |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1008 | An attempt was made to set a volume for which no LU Path is defined, as the command device. Or, an attempt was made to delete the last Path to the command device. | Correct the LU Path specification and issue the configuration information setting request again. |
| 1009 | The emulation type of the volume to be linked as an LUSE is not Open volume. | Correct the LUSE specification and issue a configuration information setting request. |
| 1010 | An attempt was made to set an LUSE that contains an LU that has already been extended. | |
| 1011 | The volume to be linked as an LUSE extends over CU#. | |
| 1012 | An LU Path was set for the volume to be linked as an LUSE. | |
| 1013 | The emulation types of volumes to be linked as an LUSE are not the same. | |
| 1014 | No LU Path was set for the LUSE. (No Path was set for the LUSE to be added. Or, the Path for the LUSE no longer exists because it was deleted.) | Correct the LUSE specification and issue a configuration information setting request. |
| 1015 | An LU Path was set for the LUSE to be freed. (The Path must be freed at the same time as the LUSE is freed.) | |
| 1018 | The specified Port does not exist (specified Port number is incorrect) or is a type (for Mainframes only) that cannot be processed by the agent. | Correct the specification and issue the request again. |
| 1019 | The SCSI ID is invalid. (The specified value is outside the specifications.) | |
| 1020 | The LUN is invalid. (The specified value is outside the specifications.) | |
| 1021 | The specified volume does not exist (specified CU#:LDEV# is incorrect) or is a logical device of a type (for Mainframes only) that cannot be processed by the agent. | |
| 1022 | The Host Mode is invalid. (The specified value is outside the specifications.) | |
| 1023 | The Fibre Address is invalid. (The specified value is outside the specifications.) | |
| 1024 | The Fibre Topology information is invalid. (The specified value is outside the specifications.) | |
| 1025 | The specified LU Path does not exist. (The specified Path control index is incorrect.) | |
| 1027 | The command device specification is invalid. (The specified value is outside the specifications.) | |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1028 | The number of volumes to be linked as an LUSE is outside the specifiable range. Or, not all LDEVs that make up the LUSE to be freed were specified. | |
| 1029 | The sizes of the CVs to be linked as an LUSE are not the same. Or, an attempt was made to link a CV and Normal Volume. | |
| 1035 | The Subsystem ID required for CVS operation was not set. | |
| 1036 | The CV size is outside the specifiable range (smaller than the minimum value or larger than the maximum value). | |
| 1037 | There is no capacity for creating the CV remaining in the Parity Group. | |
| 1038 | Objects that cannot be mixed were specified as the emulation type of CV. | |
| 1039 | An attempt was made to operate CVS for a volume for which a LU Path is set, a volume for which the LU is extended, or a volume for which LDEV Security is set. | |
| 1041 | The CU number or LDEV number specified for CVS operation is the same as that for another volume. | |
| 1044 | At CVS operation (Volume Initialize), the number of volumes to be reset to Normal Volume is different from the number of volumes requested for Volume Initialize. | Confirm the number of Normal Volumes to be reset and issue the request again. |
| 1045 | The specified Subsystem ID is the same as an existing Subsystem ID. | Correct the specification and issue the request again. |
| 1047 | An error occurred during CVS expansion or reduction. | Issue the same CVS specification again. |
| 1049 | At CVS operation (Volume Initialize), CV was not set in the target Parity Group. | Correct the specification and issue the configuration information setting request again. |
| 1050 | The volume to be linked as an LUSE contains a reserve volume of HIHSM (hierarchy control function). | Correct the specification and issue the request again. |
| 1051 | The emulation type specified for CVS operation is incorrect. | |
| 1052 | An attempt was made to include a WWN which is already included in a group in another WWN group. | Correct the WWN group specification and issue the configuration information setting request again. |
| 1053 | An attempt was made to group together WWNs that have different access permission set. | |
| 1055 | An attempt was made to set access permission for a LUN included in a LUN group. | Correct the access permission for the LUN and issue the configuration information setting request again. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1056 | An attempt was made to set access permission for WWN included in a WWN group. | Correct the access permission for the WWN and issue the configuration information setting request again. |
| 1057 | An attempt was made to include a LUN which is already included in a group in another LUN group. | Correct the LUN group specification and issue the configuration information setting request again. |
| 1058 | An attempt was made to group together LUNs that have different access permission set. | |
| 1059 | An attempt was made to operate LUN Security for a Port that is not a Fibre Port. | Correct the specification and issue the configuration information setting request again. |
| 1060 | An attempt was made to operate LUN Security for a LUN that has no LU Path. | |
| 1061 | An attempt was made to operate LUN Security for a Port on which the LUN Security function has no effect. | |
| 1062 | The emulation type and a size appropriate to the emulation type specified when setting Install CV are incorrect. (Specify a user-specified capacity for a Mainframe volume. Specify a user-specified number of cylinders for an Open volume.) | Correct the specification and issue the request again. |
| 1063 | An attempt was made to register the same WWN number as one that is already registered. | Correct the specification and issue the configuration information setting request again. |
| 1064 | An attempt was made to register the same WWN as one that is already registered. | |
| 1065 | An attempt was made to register the same WWN nickname or WWN group nickname as one that is already registered. (The WWN nickname and WWN group nickname must not duplicate each other.) | |
| 1066 | The specified WWN number is not registered. (At deletion or modification) | Correct the specification and issue the configuration information setting request again. |
| 1067 | An attempt was made to register the same WWN group number as one that is already registered. | |
| 1068 | The WWN Group number was not found. | |
| 1069 | An attempt was made to register the same LUN group number as one that is already registered. | |
| 1070 | The specified LUN group number is not registered. (At deletion or modification) | |
| 1071 | A setting request having the same contents as those already set was issued for the same Port. | |
| 1072 | An attempt was made to register the same LUN group nickname as one that is already registered. | |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1073 | There is no volume that can be set at CVS operation (Install CV). | Review the set CV and issue the configuration information setting request again. |
| 1074 | The CU specified at CVS operation (Install CV) cannot be set. | Correct the specification and issue the configuration information setting request again. |
| 1075 | Different CVS operations (Volume Initialize, Install CV, Volume to Space) were specified together in a single configuration information setting request. | |
| 1100 | There are less than two WWNs that belong to the WWN group. | |
| 1101 | The CVS operation was requested for a volume that is not mounted. | |
| 1102 | The LDEV to be reduced by the CVS operation could not be deleted. (The target LDEV is the last in the Parity Group.) | There must be at least one LDEV in a Parity Group, so further reduction is impossible. |
| 1103 | In CVS operation, an operation instruction was issued for a Parity Group that is not mounted. | Correct the specification and issue the request again. |
| 1104 | An attempt was made to set a SubSystem ID without the CVS operation. | Match the required CVS setting and SubSystem ID and issue the configuration modification request again. |
| 1105 | The number of LDEV IDs that can be set in the CVS operation was exceeded. | Review the LDEV IDs, delete an existing LDEV if necessary, and issue the request again. |
| 1108 | A request was made to set a command device for a HIHSM Reserve volume. | Correct the specification and issue the configuration information setting request again. |
| 1110 | The character string specified as the nickname when requesting modification of the configuration of LUN-Security contains a character that cannot be used. | Review the specified characters and issue the configuration modification request again. |
| 1111 | No nickname was specified when requesting modification of the configuration of LUN-Security. | Specify a nickname and issue the configuration modification request again. |
| 1113 | The volume to be created by the CVS operation is being used as the MAV function. | Change the volume for which the CVS operation is to create a CV and execute the CVS operation again. |
| 1114 | No value was set for WWN information that belongs to WWN group information when the LUN-Security operation was executed. | Review WWN information for grouping WWNs and issue the configuration modification request again. |
| 1115 | No value was set for LUN information that belongs to LUN group information when the LUN-Security operation was executed. | Review LUN information for grouping LUNs and issue the configuration modification request again. |
| 1116 | No value was set when registering WWN. Or, 0 is set as the WWN value. | Review WWN to be registered and issue the configuration modification request again. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1123 | A request was made to set command device security, but a command device has already been set. | If you want to specify command device security for the target volume, free the command device setting and issue a configuration modification request. Or, assign processing to a different volume. |
| 1124 | The method of setting command device security is incorrect. (To set command device security, set it when setting the command device. And, to free command device security, set it when freeing the command device. However, freeing the command device also frees command device security at the same time.) | Review the specification and issue the configuration modification request again. |
| 1201 | The CHA high-speed mode was specified, but the specified Path contains a Path for which the high-speed mode cannot be set. | Change the parameter to a Path for which the high-speed mode can be set and execute the request again. |
| 1202 | The CHA high-speed mode was specified, but the specified Port contains a Host Mode for which the high-speed mode cannot be set. | Specify a Host Mode for which the high-speed mode can be set and execute the request again. |
| 1203 | The CHA high-speed mode was specified, but the Fiber Address of the specified Port contains a path for which the high-speed mode cannot be set. | Specify the Port of a Fiber Address for which the high-speed mode can be set and execute the request again. |
| 1204 | The CHA high-speed mode was specified, but the topology in the specified Port contains a path for which the high-speed mode cannot be set. | Specify a Port whose topology setting allows the high-speed mode to be set and execute the request again. |
| 1205 | The CHA high-speed mode was specified, but a Fiber PCB for which the high-speed mode cannot be set is specified. | Specify the Port of a Fiber PCB for which the high-speed mode can be set and execute the request again. |
| 1206 | The operating mode contains an undefined CHA, so the specified setting is impossible. | Set the operating mode for CHA and issue the request again. |
| 1261 | A request was made to modify the configuration of the Path setting for a volume controlled by OnDemand. | Correct the specification and issue the request again. Or, free the Parity Group controlled by OnDemand. |
| 1262 | A request was made to modify the configuration of the command device setting for a volume controlled by OnDemand. | |
| 1263 | A request was made to modify the configuration of the LUSE setting for a volume controlled by OnDemand. | |
| 1269 | The operating mode of the target PCB cannot be modified because I/Os from the host are being executed. (If multiple PCBs are specified at the same time, the operating mode may be partially modified.) | First, confirm the operating mode for PCB. Stop I/Os for the unmodified PCB, and execute the modification again. |
| 1290 | A temporary key was used before when requesting modification of the configuration of a license key, so it cannot be used again. | To use the license key, take the following measures:<br>1. Obtain a permanent key and register the license key again.<br>2. After 180 days, input the same license key again. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1291 | The capacity for registering licenses when requesting modification of the configuration of a license key is insufficient. | Obtain the license key again. Or, expand the capacity. |
| 1292 | The capacity for prerequisite program products was insufficient when requesting modification of the configuration of a license key. | Review the size of the program products already set and, when you have obtained a license key appropriate to the size of the program products, issue the configuration modification request again. |
| 1293 | The program product was already installed when requesting modification of the configuration of a license key. | Review the license key and issue the configuration modification request again. |
| 1294 | An error occurred when checking whether a program product can be installed when requesting modification of the configuration of a license key. | The license key that you tried to install or uninstall may not be able to be accepted due to RAID configuration information. Also, the program product may already be set, so free the setting and issue the configuration modification request again. |
| 1295 | The key code was invalid when requesting modification of the configuration of a license key. | The key code that was input is invalid. |
| 1296 | AA prerequisite program product was not installed when requesting modification of the configuration of a license key. Alternatively, the prerequisite program product was already uninstalled. | Prerequisite program products are required for inputting a license key for which a request is issued. After setting the prerequisite program products, request modification of the configuration again. Or, first uninstall program products that share a parent-child relationship with the prerequisite program product. |
| 1297 | The program product specified when requesting modification of the configuration of a license key does not exist. | Obtain the license key and issue the configuration modification request again. |
| 1298 | Requests having the same product ID for INSTALL/DEINSTALL were issued when requesting modification of the configuration of a license key. | Separate INSTALL/DEINSTALL having the same product ID before issuing a configuration modification request. |
| 1299 | Multiple DEINSTALL were requested within a single PDU when requesting modification of the configuration of a license key. | Separate the DEINSTALL requests before issuing a configuration modification request. |
| 1350 | An attempt was made to add a Path to an initiator Port. | The Port to be set is a Fibre TrueCopy Port, so the attribute must be changed before a Path is added. Attribute (TarGet or RCU TarGet) |
| 1351 | You cannot change to high-speed mode because the Port attributes (such as initiator) within the package are mixed. | The Port to be set is a Fibre TrueCopy Port, so all attributes of the Port must be changed to initiator before switching to high-speed mode. |
| 1352 | You cannot change because a logical Path remains in the initiator Port. | The Port to be set is a Fibre TrueCopy Port, so the logical Path must be erased before the Port is set. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1353 | You cannot change because S-VOL remains in the RCU target. | The Port to be set is a Fibre TrueCopy Port, so the S-VOL logical Path set to RCU TarGet must be erased before the Port is set. |
| 1354 | An attempt was made to register WWN for an initiator Port. | The Port to be set is a Fibre TrueCopy Port, so the attribute must be changed before WWN is added. Attribute (TarGet or RCU TarGet) |
| 1400 | An input parameter is invalid. (RCU Port number/ID/LUN)(MCU/RCU serial number, or SSID)(too many Paths specified). | Review the parameters and issue the request again. |
| 1401 | The Port type is invalid "Serial"/"Fibre". | Correct the Port type and issue the request again. |
| 1402 | The specified volume is not a TrueCopy Pair. | Review the LDEV to be specified and issue the request again. |
| 1403 | The target CU cannot be found. | Review the CU to be specified and issue the request again. |
| 1404 | The specified Port is not "Serial"-"RCP"/"Fibre"-"Initiator". | Confirm the specified Port and specify the correct Port, or change the Port to RCP/Initiator and issue the request again. |
| 1405 | The connection destination address is invalid. | Confirm the logical address, set the correct address and issue the request again. |
| 1406 | The same Path already exists. | Review the Path to be specified and issue the request again. |
| 1407 | The number of Paths exceeds the limit. (Serial:4 Fibre:8) | Review the input parameters and issue the request again. |
| 1408 | The Path does not exist. | |
| 1410 | The specified RCU extension volume (Port/ID/LUN) cannot be used. | |
| 1411 | Four RCUs are already registered. | |
| 1412 | Four SSIDs are already registered in the target CU. | Confirm the SSID values of the RCU. If invalid SSIDs were registered, delete them and issue the request again. |
| 1415 | The SSID setting contained an error when requesting modification of the configuration of TrueCopy. | Review the SSID setting and issue the configuration modification request again. |
| 1416 | An attempt was made to set a value higher than the upper limit (4) for the SSID setting when requesting modification of the configuration of TrueCopy. | Review the set SSIDs and issue the configuration modification request again. |
| 1417 | Multiple operation instructions were set within the same PDU when requesting modification of the configuration of TrueCopy. | Separate the operation requests before requesting modification of the configuration. |
| 1418 | The specified RCU was already registered when registering RCU. | Review the set RCU and issue the configuration modification request again. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1419 | The requested operation is impossible because detailed Path information is not given. | Review the command to be issued and issue the modification request again. |
| 1420 | The requested operation is impossible because a summary of Path information is not given. | |
| 1421 | A logical Path remains in the target MCU Port. | Delete the logical Path that remains and execute a retry. |
| 1422 | A logical Path remains in the target RCU Port. | Delete the logical Path that remains and execute a retry. |
| 1423 | A LU definition remains in the target RCU Port. | Delete the LU definition and execute a retry. |
| 1424 | "RCP" of a "Serial" Port was specified in the MCU Port specification, but no link address to be set for "Serial" was set. | Confirm the parameters or Port specification. |
| 1425 | "Initiator" of a "Fibre" Port was specified in the MCU Port specification, but no receive Port to be set for "Fibre" was set. | |
| 1426 | A "Fibre" Port was specified in the MCU Port specification in a CU image for which "Serial" was set. | Confirm the existing setting or MCU Port specification. |
| 1427 | A "Serial" Port was specified in the MCU Port specification in a CU image for which "Fibre" was set. | |
| 1429 | The Port mode of a closed Port was changed. | Confirm the specified Port. |
| 1430 | A setting was input for a Port that is not mounted. | |
| 1431 | No option ("RIOMIH timer"/"PathBlockadeWatch") was specified. | Review the parameters and issue the request again. |
| 1432 | An unnecessary specification was made. ("RIOMIH timer"/"PathBlockadeWatch") | |
| 1433 | A setting was input for a Port that is not targeted. | Confirm the specified Port. (It may be a Port not targeted by TrueCopy.) |
| 1434 | A LU remains in the target Port. | Delete the LU and execute the operation again. |
| 1435 | "Fibre" Ports and "Serial" Ports are mixed in the 1CU image on the MCU side. | Confirm the send Port specified on the MCU side. |
| 1438 | ESCON connection is used when setting RCU, but a target FLAG is set. | Review the parameters and issue the request again. |
| 1439 | The connection destination CU when setting RCU is outside the specifiable range. | |
| 1440 | The connection destination Port number when setting a Path is outside the specifiable range. | |
| 1500 | The requested operation is impossible because encryption is disabled. | Enable encryption or review the operation. |
| 1501 | The requested operation is impossible because encryption is already enabled. | Review the operation. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 1502 | Encryption alone cannot be enabled. | Enable the password before enabling encryption. |
| 1503 | The specified server is not registered. | Review the server to be specified. |
| 1504 | The password cannot be disabled while encryption remains enabled. | Disable the password before disabling encryption. |
| 1505 | The maximum number of servers that can be registered was exceeded. | If any obsolete servers are registered, delete them. |
| 1506 | The maximum number of servers that can be registered is already specified. | None. |
| 1507 | The specified server is already registered. | Review the server to be specified. |
| 1508 | A combination of operations that is not permitted is contained. | Review the combination of operations. |
| 1509 | You cannot lock because the passwords are different. (The password managed on the SVP side and the password that was sent are different.) | Review the passwords. |
| 1510 | The requested operation is impossible because the password was not enabled at locking. | Change to a lock mode that requires a password or review the operation. |
| 1511 | A lock method that requires a password is already enabled. | It is not necessary to change to a new lock method. |
| 1512 | The specified password is incorrect. (The password contains a character that cannot be used.) | Review the password, specify a correct password and execute the operation again. |
| 1513 | The conventional lock method is already enabled. | It is not necessary to change to the conventional lock method. |
| 1514 | No password was given when specifying a lock operation. | Specify a password when executing the lock operation. |
| 1515 | Multiple operations were executed for the same IP address. | Review the specified IP address and eliminate multiple operations for the same IP address. |
| 1516 | The instruction registers an IP address that cannot be defined. | Review the IP address to be registered. |
| 1517 | A new password was specified but the specified instruction does not change the password. | Review the selected operation. |
| 1518 | The specified password is already being used. (Another vendor/user is using the same password.) | Modify the password again using a different password. |
| 1519 | The specified password is reserved and cannot be used. | |
| 1520 | No password is specified in the password modification instruction. | Specify a new password and modify the password again. |
| 1521 | No IP address is specified in the IP address addition instruction. | Specify an IP address and add the IP address again. |
| 1522 | The password cannot be modified. | Unlock and then execute the operation again. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 2001 | A configuration information acquisition request or configuration information setting request was issued without issuing a refresh request. | Issue a refresh request and then issue a configuration information acquisition request or configuration information setting request. |
| 2002 | An attempt to connect during communication between Remote Console and DKC (SVP) failed. | Contact and consult the maintenance service center. |
| 2003 | An attempt to read configuration information from DKC (SVP) failed. | |
| 2004 | An attempt to load the file required for execution failed. (Memory is insufficient or the required file does not exist.) | Expand memory. Also, confirm that installation of the agent did not fail and that the required files have not been mistakenly deleted. |
| 2005 | Memory required for execution could not be acquired. | Quit other programs operating on a SVP PC or expand memory. |
| 2006 | LUN Manager (PP name: LUNM or LUN Configuration Manager) required for executing the request has not been installed. | Install the required program product. |
| 2007 | LUSE (PP name: LUNM/LUSE or LUN Configuration Manager) required for executing the configuration information setting request has not been installed. | Install the required program product. |
| 2008 | LUN Security (PP name: LUN Security or Secure Manager) required for executing the configuration information setting request has not been installed. | |
| 2009 | The SVP or DKC microcode cannot execute the request. (The version cannot execute the request.) | Install a version of the microcode that can execute the request. |
| 2010 | An error occurred while checking for a blockage. | Confirm that no I/O was generated from a host to the Path/volume. |
| 2011 | A maintenance pre-check error occurred. | Confirm the status (not blocked) of DKC. If the error occurs again, call maintenance personnel. |
| 2012 | A Port blockage error occurred. | |
| 2013 | A download error occurred. | |
| 2014 | A Port recovery error occurred. | |
| 2015 | A communication error occurred. | Confirm the connection status of SVP and DKC. If the error occurs again, call maintenance personnel. |
| 2016 | DKC (SVP) or Remote Console is setting configuration information. (Error due to exclusive operation) | Wait a while and issue the request again. |
| 2017 | Exclusive lock was freed forcibly due to the detection of a timeout during a health check. | Issue the request again. (Execute again from the request for starting the exclusive lock.) |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 2018 | The open DCR (PP name: Open DCR or Cache Lun) required for executing the configuration information setting request has not been installed. | Install the required program product. |
| 2019 | The open CVS (PP name: Open CVS or Lun Manager3) required for executing the configuration information setting request has not been installed. | |
| 2020 | The Mainframe DCR (PP name: DCR or D.C.R) required for executing the configuration information setting request has not been installed. | |
| 2021 | The Mainframe CVS (PP name: CVS or C.V.S) required for executing the configuration information setting request has not been installed. | |
| 2022 | CVS is executing. | SVP or DKC is under CVS processing. Wait a while and issue the configuration information setting request again. |
| 2031 | The versions of RMC and DKC or SVP do not match. | Install matching versions of RMC and DKC or SVP. |
| 2032 | Busy between DKCs (SVPs). | Wait a while and issue a refresh request. |
| 2033 | The configuration inside SVP is being changed. | |
| 2034 | Port Control (PP name: Prioritized Port Control) required for executing the configuration information setting request has not been installed. | Install the required program product. |
| 2037 | The size of the mounted cache is different on CL1 and CL2. | Confirm the status of DKC. If the error occurs again, call maintenance personnel. |
| 2082 | You cannot change because of the host reserve status. | Free the host reserve status and execute the operation again. |
| 2100 | M-VOL or R-VOL contains an error. | 1. Issue a refresh request and then confirm the status of M-VOL/R-VOL. (Check SSB of R-VOL.)<br>2. M-VOL or R-VOL has a PIN. Confirm the status of the PIN slot and recover the PIN.<br>3. Confirm that M-VOL is in the following status. (Data copying/accessing collection/blocked/maintenance in progress/READ ONLY) |
| 2101 | The pair status is ineffective. | Issue a refresh request and obtain the information again. |
| 2102 | The pair status of the LUSE is invalid. | Confirm the pair. |
| 2103 | The logical Path between MCU and RCU is ineffective. | Issue a refresh request and then confirm the status of the Path between the specified MCU and RCU. |
| 2104 | The pair status does not allow the specified operation. | Confirm the pair status. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 2105 | The specified volume or another volume in the same group as the specified volume is changing status. | Wait a while and execute the operation again. |
| 2106 | The specified RCU/SSID contains a TrueCopy Pair. Delete all pairs and execute the operation again. | None. |
| 2107 | An error occurred while switching Ports. | Call maintenance personnel (replace CHA). |
| 2108 | The specified operation is impossible because the Port type is being changed. | Wait a while and execute the operation again. |
| 2109 | The Port is being initialized. | None. |
| 2110 | A logical Path remains in the Port on the MCU or RCU side. | |
| 2112 | A job remains in the target Port. | Issue a refresh request and then issue the request again. |
| 2113 | An attempt to register a pair/operate pair resume failed. R-VOL must not be T-VOL of ShadowImage or a Reserve VOL. | None. |
| 2114 | An attempt to change a pair option failed. The fence level is not supported on the RCU side/M-VOL is in suspend status. | |
| 2115 | An attempt to delete a pair failed. (1) C/T group is in CHK status. (2) Volume is in CHK status. | |
| 2116 | An attempt to terminate the pair operation failed. | |
| 2117 | The Pair suspend operation failed. | Issue a refresh request, confirm the pair status and then issue the request again. |
| 2118 | R-VOL is invalid. | None. |
| 2119 | The TrueCopy C/T group is already registered. The Async option cannot be changed. | |
| 2120 | The timer type cannot be changed because the specified C/T group also contains an asynchronous pair. | None. |
| 2121 | The C/T group is not registered. | |
| 2122 | An attempt to register the C/T group failed. The specified C/T group is using MCU. One or more asynchronous pairs exist. A pair in the group is migrating to SIMPLEX. | |
| 2123 | Operation for changing the C/T group option failed. A pair exists. | |
| 2124 | R-VOL is being used elsewhere. The operation is impossible. | Confirm the following about R-VOL:<br>1. Dual copy being used<br>2. Being used by XRC<br>3. Being used by PPRC or TC-MF<br>4. Being used by concurrent copy<br>5. Reserved |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 2125 | MCU is being used by ShadowImage. The operation is impossible. | None. |
| 2126 | M-VOL is being used by XRC. The operation is impossible. | |
| 2127 | RCU is already being used. The operation is impossible. | |
| 2128 | The operation was rejected due to the FREEZE status. | |
| 2129 | The NCFREEZE command suspended processing. The operation is impossible. | |
| 2130 | M-VOL is being used by HIHSM. The operation is impossible. | |
| 2131 | TC-MF and TC both exist in the same C/T group. | |
| 2132 | The specified R-VOL cannot be recognized from the connection Port. | |
| 2133 | R-VOL is in intervention request status. | |
| 2134 | An attempt to change the status of R-VOL failed. | Issue a refresh request and confirm the status of R-VOL. |
| 2135 | The current number of Paths between MCU and RCU is lower than the specified minimum number of Paths. | Issue a refresh request and confirm the number of Paths. |
| 2137 | The program product TrueCopy, HORCA, or HORCE is not installed. | 1. Install the required program product.<br>2. Replace with a supported CHA. |
| 2138 | The program product Fibre-TrueCopy is not installed in MCU or RCU. | Install the required program product. |
| 2139 | TrueCopy and the multi-platform function have an exclusive relationship. | Reduce CHS PCB of MCU before executing the TrueCopy function. |
| 2140 | The controller type of MCU or RCU does not support TrueCopy. | Confirm the device emulation type. |
| 2141 | The combination of controller types of MCU and RCU are not supported. | None. |
| 2142 | The device emulation type of M-VOL or R-VOL does not support TrueCopy. | Confirm the device emulation type. |
| 2143 | RCU does not support remote copy of the extension VOL. | Confirm the control type of RCU and the version of the microcode. |
| 2144 | A portion is blocked. | Call maintenance personnel. |
| 2145 | DKC contains an error. | |
| 2146 | The cache status of MCU or RCU is ineffective. | Issue a refresh request and then confirm the cache status. |
| 2147 | The DFW status of R-VOL is invalid. | Confirm the DFW status of R-VOL. If it is off, set it again. If you cannot set it, call maintenance personnel. |
| 2148 | NVS of MCU cannot operate. | Confirm the NVS status and issue the request again. If you cannot set it, call maintenance personnel. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 2149 | The serial number or the link address on the RCU is invalid. | Review the specification. |
| 2150 | The function is not supported. | Confirm the version of the microcode. |
| 2151 | The cache of MCU is automatically resetting. Click [OK] to terminate processing, then wait several minutes and execute the operation again. | Wait a while and issue the request again. |
| 2152 | The status of M-VOL does not allow operations to be accepted. | None. |
| 2153 | An attempt to generate a Path failed. | Specify a different Path or delete all pairs on the RCU side and then issue the request again. |
| 2154 | An error occurred in the target MP. | Call maintenance personnel. (You must confirm CHA.) |
| 2155 | Initializing during the pre-check. | Wait a while and execute a retry. |
| 2156 | FOP (Port) is blocked. | Call maintenance personnel. |
| 2157 | A logical Path and R-Vol remain in the target RCU mixed Port. | |
| 2158 | An error occurred during the referencing of the remaining R-Vol at the target RCU mixed Port. | |
| 2159 | An attempt to switch configuration information for the initiator failed. | |
| 2160 | An attempt to switch configuration information for the target failed. | |
| 2161 | An attempt to switch configuration information for the RCU target. | |
| 2162 | A job remains in the target MCU Port. | Execute a retry after the job stops. |
| 2163 | A job remains in the target RCU Port. | |
| 2164 | An attempt to change the Port with the FOP Path configuration information modification function failed. | Call maintenance personnel. |
| 3000 | An attempt to obtain an external function pointer required by the agent failed. | Contact and consult the maintenance service center (with trace information). |
| 3001 | An attempt to obtain an external function pointer for obtaining trace information failed. | |
| 3002 | An invalid inter-function interface was detected in the agent. | |
| 3003 | An internal logical error was detected. | |
| 3004 | No directory for MIB management information exists. | |
| 3005 | An attempt to write MIB management information failed. | |
| 3006 | An error occurred during the accessing of a file required by the agent. | |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| 3007 | An interface logical error was detected in the agent. | |

# 6

# Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V series, and Thunder 9200 series Messages

This chapter lists and describes the Hitachi Device Manager storage subsystem error messages for Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200.


- Details About Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200 Messages

# Details About Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200 Messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem. This section lists and describes the error messages from Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200 that are contained in Hitachi Device Manager messages.

For details on the message IDs that begin with DMEG, see the Storage Navigator Modular 2 message manual.

If you are unable to resolve the conditions of an error, see Calling the Hitachi Data Systems Support Center for instructions on calling the Hitachi Data Systems Support Center.

The following table lists and describes the Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200 messages that are displayed by Hitachi Device Manager.

***Note:*** The asterisk "*" indicates that the error code output varies. If a displayed error
code does not match any of the codes listed below, see the explanation for the message labeled *.

**Table 6-1 Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V and 9200 Messages**

| Error Code | Description |
|---|---|
| * | An error has occurred in the subsystem. If you cannot solve this problem, contact the Support Center. |
| 1 | DMEA001000: The information file for the subsystem cannot be opened. Confirm the execution environment. |
| 2 | DMEA001001: The information file for the subsystem is invalid. Confirm the execution environment. |
| 3 | DMEA001002: The specified subsystem name is already registered. Specify another name. |
| 4 | DMEA001003: The specified subsystem name is not registered. |
| 5 | DMEA001004: The registered information does not match the status of the subsystem. Correct the information and then retry. |
| 6 | DMEA001005: The number of registered subsystems reached the maximum. Delete unnecessary information, and then retry. |
| 7 | DMEA001021: The number of groups reached the maximum. Specify an already registered group or delete an unnecessary group. |

| Error Code | Description |
|---|---|
| 8 | DMEA001026: The specified information does not match the configuration of the subsystem. Confirm the configuration information. |
| 10 | DMEA000010: An error occurred while communicating with the subsystem. Confirm the subsystem status and the LAN environment, and then try again. |
| 11 | DMEA000011: An error occurred while communicating with the subsystem. Confirm the subsystem status and the LAN environment, and then try again. |
| 12 | DMEA000012: An error occurred in the secure communication with the subsystem. Please confirm the certificate, subsystem status and the LAN environment. Then try again. |
| 18 | DMEA001071: The function cannot be executed because the LU has already been reserved. |
| 101 | DMEA001019: The process cannot be performed because the firmware on the subsystem does not support the function. |
| 102 | DMEA001006: Invalid parameter. |
| 103 | DMEA001007: The specified controller is incorrect. |
| 104 | DMEA001008: An attempt to open the file has failed. Confirm the file name, and then try again. |
| 105 | DMEA001009: The contents of the file are invalid. Confirm the file contents, and then try again. |
| 106 | DMEA00100A: An attempt to connect with the server failed. Confirm the registered information and the LAN environment, and then retry. |
| 107 | DMEA00100B: The password is not specified. |
| 108 | DMEA00100C: The password is corrupted. Delete the password file, and then retry. |
| 109 | DMEA001017: An error occurred during the file I/O. Check the permissions and available space. |
| 10a | DMEA001022: A hardware error occurred. Confirm the subsystem. |
| 10b | DMEA001023: Processing is not possible because the current subsystem does not support the function. |
| 10c | DMEA001024: The environment variable STONAVM_HOME is not defined. Specify STONAVM_HOME. |
| 10d | DMEA001025: The controller in charge of the LU is not registered. Register the controller, and then retry. |
| 10e | DMEA001027: The JRE version in use is not supported. Confirm the JRE version. |
| 10f | DMEA001029: Environment variable: STONAVM_HOME is not set correctly. Check the STONAVM_HOME. |
| 110 | DMEA00104E: Processing failed because the function is disabled. |
| 111 | DMEA00104D: The password length is invalid. Use 12 or fewer characters. |
| 112 | DMEA00104F: An attempt to obtain the controller failure dump information failed. Retry after 10 minutes. |
| 113 | DMEA001070: This program is not installed correctly. |
| 115 | DMEA001073: An attempt to create a log directory failed. Confirm the execution environment. |
| 116 | DMEA001078: The specified key was not found. Confirm the file, and then retry. |
| 117 | DMEA001079: This function cannot be used for the specified device. |

| Error Code | Description |
|---|---|
| 118 | DMEA001080: The LU mapping cannot be set when the mapping mode is off. |
| 119 | DMEA001081: An attempt to obtain drive information failed. |
| 11a | DMEA001092: An illegal option is set. |
| 11b | DMEA001093: The function cannot be used because it is not installed, locked, or disabled. |
| 11c | DMEA001132: An attempt to create a file has failed. Confirm the execution environment. |
| 11d | DMEA001133: The file cannot be output because the attempt to acquire performance statistics has failed. |
| 11e | DMEA00102A: The JRE (Java Runtime Environment) version in use is not supported. Check the JRE version. |
| 11f | DMEA00102B: Processing is not possible because the current controller in charge of the specified LU is different. Retry from the current controller of the LU. |
| 130 | DMEA00112B: The specified port is not available because it has not been physically installed. Confirm the port status, and then retry the operation. |
| 201 | DMEA000201: The specified user ID or password is incorrect. |
| 301 | DMEA00100D: The specified logical unit is not defined. Specify a defined logical unit. |
| 302 | DMEA00100E: Formatting failed. Confirm the subsystem status and the LAN environment, and then retry. |
| 303 | DMEA001130: The specified RAID group is already defined. Specify an undefined RAID group. |
| 304 | DMEA001131: The specified RAID group is undefined. Specify a defined RAID group. |
| 305 | DMEA00115E: Processing is not possible because there is no free area in the specified RAID group. |
| 306 | DMEA001160: The logical unit cannot be defined in the specified area. |
| 307 | DMEA001161: Processing is not possible because the logical unit is already defined in the first area of the specified RAID group. |
| 308 | DMEA001162: Processing cannot be performed because the specified area is not available. |
| 400 | DMEA001030: The parameter for System Startup Attribute or the item name is invalid. |
| 401 | DMEA001031: The parameter for Spare Disk or the item name is invalid. |
| 402 | DMEA001032: The parameter for Host Connection Mode or the item name is invalid. |
| 403 | DMEA001033: The parameter for Serial Number or the item name is invalid. |
| 404 | DMEA001034: The parameter for Drive Capacity or the item name is invalid. |
| 405 | DMEA001035: The parameter for Option 1 or the item name is invalid. |
| 406 | DMEA001036: The parameter for Option 2 or the item name is invalid. |
| 407 | DMEA001037: The parameter for Data Striping Size or the item name is invalid. |
| 408 | DMEA001038: The parameter for Buzzer or the item name is invalid. |
| 409 | DMEA001039: The parameter for LU Size Report to the Host, or the item name is invalid. |
| 40a | DMEA00103A: The parameter for SCSI Reset/LIP Mode for all Ports, or the item name is invalid. |

| Error Code | Description |
|---|---|
| 40b | DMEA00103B: The parameter for Operation if the Processor failures Occurs, or the item name is invalid. |
| 40c | DMEA00103C: The parameter for INQUIRY Information or the item name is invalid. |
| 40d | DMEA00103D: The parameter for Cache Mode or the item name is invalid. |
| 40e | DMEA00103E: The parameter for Target ID or the item name is invalid. |
| 40f | DMEA00103F: The parameter for Port Type or the item name is invalid. |
| 410 | DMEA001040: The parameter for ROM Pseudo-response command processing, or the item name is invalid. |
| 411 | DMEA001041: The parameter for Save Data Pointer response, or the item name is invalid. |
| 412 | DMEA001042: The parameter for Controller Identifier or the item name is invalid. |
| 413 | DMEA001043: The parameter for RS232C Error Information Outflow Mode, or the item name is invalid. |
| 414 | DMEA001044: The parameter for Write & Verify Execution Mode, or the item name is invalid. |
| 415 | DMEA001045: The parameter for LAN CONST or the item name is invalid. |
| 416 | DMEA001046: The parameter for SYNC CONTROL or the item name is invalid. |
| 417 | DMEA001047: There is no file header. |
| 418 | DMEA001048: The present drive configuration for the subsystem cannot support the drive configuration information of the specified file. |
| 419 | DMEA001049: The RAID configuration data is invalid. |
| 41a | DMEA00104A: The LU configuration data is invalid. |
| 41b | DMEA00104B: The drive configuration data is invalid. |
| 41c | DMEA00104C: The parameter for FD Back UP, or the item name is invalid. |
| 41d | DMEA001050: The parameter for Web Title or the item name is invalid. |
| 41e | DMEA001051: The parameter for Delay Planned Shutdown or the item name is invalid. |
| 420 | DMEA001083: The parameter for PortOption or the item name is invalid. |
| 421 | DMEA001084: The parameter for HostGroupInformation or the item name is invalid. |
| 422 | DMEA001085: The parameter for HostGroupOption or the item name is invalid. |
| 423 | DMEA001086: The parameter for LuMapping or the item name is invalid. |
| 424 | DMEA001087: The parameter for FibreSecurityInformation or the item name is invalid. |
| 425 | DMEA001088: The parameter for CommonInformation or the item name is invalid. |
| 426 | DMEA001089: Failed to set up a Mapping Mode. Confirm the setting file, and then retry. |
| 427 | DMEA001090: The CTL Header is invalid. |
| 428 | DMEA001091: The PORT Header is invalid. |
| 429 | DMEA001082: The parameter for Additional Battery Unit Mode or the item name is invalid. |
| 440 | DMEA00119F: There is no file version. |

| Error Code | Description |
|---|---|
| 441 | DMEA0011A0: There is no start separator. |
| 442 | DMEA0011A1: The user name is invalid. |
| 443 | DMEA0011A2: The secret is invalid. |
| 444 | DMEA0011A3: The alias is invalid. |
| 445 | DMEA0011A4: The target number is invalid. |
| 446 | DMEA0011A5: There is no end separator. |
| 447 | DMEA0011A6: There is no port separator. |
| 448 | DMEA0011AC: The file version is invalid. |
| 449 | DMEA0011AD: The user name reach the maximum. |
| 44a | DMEA0011AE: The target is undefined. |
| 501 | DMEA001094: The specified host group is already defined. Confirm the name or number, and specify a undefined host group. |
| 502 | DMEA001095: The specified host group is not defined. Confirm the name or number, and specify a defined host group. |
| 503 | DMEA001096: The host group security on the specified port is set to disable. Set the host group security to enable, and then retry. |
| 504 | DMEA001097: The function cannot be executed because host group 0 is specified. Specify other than host group 0, and then retry. |
| 505 | DMEA001098: The specified host group name or WWN name is invalid. Confirm the name and then retry. |
| 506 | DMEA001099: The specified host group number is invalid. Confirm the number, and then retry. |
| 507 | DMEA001100: The specified node name is invalid. Confirm the name, and then retry. |
| 508 | DMEA001101: The specified port name is invalid. Confirm the name, and then retry. |
| 509 | DMEA001102: The parameter for LUNManagementInformation or the item name is invalid. |
| 50a | DMEA001103: The same host group name exists in a port. Confirm the setting file, and then retry. |
| 50b | DMEA001104: The same WWN name exists in a port. Confirm the setting file, and then retry. |
| 50c | DMEA001105: The same port name exists in a port. Confirm the setting file, and then retry. |
| 50d | DMEA001106: The same host group number exists in a port. Confirm the setting file, and then retry. |
| 50e | DMEA001107: The information on the host group number 0 is not in a setting file. Confirm the information on the host group number 0 for every port, and then retry. |
| 510 | DMEA001109: In the installed firmware revision, a setup of the Read Frame Min 128 Byte Mode cannot be performed. Please update to the firmware which can set up the Read Frame Min 128 Byte Mode. |
| 511 | DMEA00110D: A parameter for Options or item name is invalid. |
| 512 | DMEA00110E: Processing cannot be performed because the specified RAID level is not supported. |

| Error Code | Description |
|---|---|
| 513 | DMEA00110F: The configuration data of the system LU is invalid. |
| 514 | DMEA001110: The configuration data of the user LU is invalid. |
| 515 | DMEA001195: The parameter or item name for the port is invalid. |
| 516 | DMEA001197: The parameter or item name for iSCSIPortInformation is invalid. |
| 517 | DMEA001196: The KeepAliveTimer value is invalid. Check the KeepAliveTimer value, and then try again. |
| 518 | DMEA001198: The parameter or item name for iSNSInformation is invalid. |
| 519 | DMEA001199: The port number is invalid. Check the port number, and then try again. |
| 51a | DMEA00119B: The parameter or item name for TargetInformation is invalid. |
| 51b | DMEA00119A: The target number is invalid. Check the target number, and then try again. |
| 51c | DMEA00119C: The same target number already exists in the port. Check the settings file, and then try again. |
| 51d | DMEA00119D: The parameter or item name for Target Security is invalid. |
| 51e | DMEA00119E: The parameter or item name for Initiator is invalid. |
| 51f | DMEA0011A7: There is no target information for target number 0 in the settings file. Check the information for target number 0 on each port, and then try again. |
| 520 | DMEA001108: The specified Web Title is invalid. Confirm the Web Title, and then retry. |
| 521 | DMEA00110A: The process cannot be performed because the firmware on the subsystem does not support the function. |
| 522 | DMEA00110B: There is no parameter to change the data pool information. |
| 523 | DMEA00110C: The specified RAID groups and logical units cannot be created because the drive types are different. |
| 530 | DMEA00112A: The hardware configuration of the subsystem differs from the configuration in the input file. Confirm the subsystem status, and then retry the operation. |
| 532 | DMEA0011A8: The same alias already exists in the port. Check the settings file, and then try again. |
| 533 | DMEA0011A9: The same iSCSI name already exists in the port. Check the settings file, and then try again. |
| 534 | DMEA0011AA: The same initiator name already exists in the port. Check the settings file, and then try again. |
| 535 | DMEA0011AB: The MTU value is invalid. Check the MTU value, and then try again. |
| 536 | DMEA0011AF: The parameter or item name for TargetOption is invalid. |
| 540 | DMEA00112C: In the installed firmware revision, a setup of the HostSystemConfiguration cannot be performed. Please update to the firmware which can set up the HostSystemConfiguration. |
| 541 | DMEA00112D: The parameter for HostSystemConfiguration or the item name is invalid. |
| 542 | DMEA00112E: Processing is not possible because the attribute is not Read/Write. Change the attribute to Read/Write, and then retry. |

| Error Code | Description |
|---|---|
| 543 | DMEA00112F: The retention period cannot be set for the specified LU. Make sure that the LU status is appropriate. |
| 544 | DMEA001134: The validation period cannot be shortened. Specify a value equal to or greater than the current value, and then try again. |
| 551 | DMEA001146: Either the specified path name of the directory for storing the management file is longer than 250 characters, or sufficient memory could not be allocated. Specify the path name using no more than 250 characters, or terminate other programs and then try again. |
| 552 | DMEA001147: An attempt to create the directory for storing the management file has failed. Check the permissions for the directory, as well as its available capacity. |
| 554 | DMEA001148: The specified path name for output of the management file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again. |
| 555 | DMEA001149: An attempt to write the management file has failed. Check the permissions for the directory, as well as its available capacity. |
| 556 | DMEA00114A: An attempt to open the management file has failed. Check the file name, and then try again. |
| 557 | DMEA00114B: The contents of the management file are invalid. Check the contents of the file, and then try again. |
| 558 | DMEA00114C: The specified path name for the file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again. |
| 559 | DMEA00114D: An attempt to write the file has failed. Check the permissions for the directory, as well as its available capacity. |
| 55a | DMEA00114E: An attempt to open the file has failed. Check the file name, and then try again. |
| 55c | DMEA001150: The output time specified for the CSV file is incorrect. |
| 55d | DMEA001151: The specified path name for the CSV file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again. |
| 55e | DMEA001152: An attempt to write the CSV file has failed. Check the permissions for the directory, as well as its available capacity. |
| 55f | DMEA001153: An attempt to open the CSV file has failed. Check the file name, and then try again. |
| 560 | DMEA001154: Either the specified path name of the directory for storing the CSV file is longer than 250 characters, or sufficient memory could not be allocated. Specify the path name using no more than 250 characters, or terminate other programs and then try again. |
| 561 | DMEA001155: The specified path name for the management file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again. |
| 562 | DMEA001156: The path name of the file to be deleted exceeds 250 characters. Specify a path name of 250 characters or less, and then try again. |
| 563 | DMEA001157: The monitoring data cannot be read because the data version is new. Confirm the version of this program, and then try again. |
| 564 | DMEA001158: The output number specified for the CSV file is incorrect. |
| 565 | DMEA00115A: An attempt to open the management file has failed. Check the file name, and then try again. |

| Error Code | Description |
|---|---|
| 567 | DMEA00115B: The contents of the management file are invalid. Check the contents of the file, and then try again. |
| 570 | DMEA00115C: An attempt to connect has failed. Confirm the connection, and then try again. |
| 571 | DMEA00115D: A response was received from a non-array device. Confirm the connection, and then try again. |
| 572 | DMEA001163: The value received from the array device is invalid. |
| 580 | DMEA001164: The specified IP address is invalid. Specify a valid IP address. |
| 581 | DMEA001165: The specified subnet mask is invalid. Specify a valid subnet mask. |
| 582 | DMEA001166: The specified default gateway address is invalid. Specify a valid default gateway address. |
| 583 | DMEA0011B5: The User LAN Parameter header is invalid. |
| 584 | DMEA0011B6: The CTL Parameter header is invalid. |
| 585 | DMEA0011B7: The parameter or item name for User LAN Parameter is invalid. |
| 586 | DMEA0011B8: The Maintenance LAN Parameter header is invalid. |
| 587 | DMEA0011B9: The parameter or the item name for Maintenance LAN Parameter is invalid. |
| 588 | DMEA0011BA: The process cannot be performed because NNC is equipped. Confirm the port type, and then retry the operation. |
| 589 | DMEA0011BB: The process cannot be performed because the DHCP setting is different between the subsystem and input file. Confirm the DHCP setting, and then retry the operation. |
| 58a | DMEA0011BC: The process cannot be performed because the DHCP is enabled. Disable the DHCP, and then retry the operation. |
| 58b | DMEA0011BD: The process cannot be performed because the User LAN port of subsystem is being used by other applications. Refer to [netstat.X.Y.inf](X:Serial Number, Y:Date) file in the directory where Navigator is installed, close applications using User LAN port of subsystem, and then try again. |
| 590 | DMEA0011B1: The specified path name for storing the log file is over 255 characters. Specify the path name in 255 characters or fewer, and then try again. |
| 591 | DMEA0011B2: The path name for storing the log file is over 255 characters. Specify the path name in 255 characters or fewer, and then try again. |
| 593 | DMEA0011B3: An attempt to write the log file has failed. Check the permissions and available capacity of the directory. |
| 594 | DMEA0011B4: The internal log is empty. |
| 600 | DMEA001159: The processing cannot be performed because a mapping-guarded LU exists. |
| a01 | DMEA00100F: The file for e-mail setting contains an error. |
| a02 | DMEA001010: The e-mail information is not set up. |
| a03 | DMEA001011: The parameter for e-mail setting is invalid. |
| a04 | DMEA001012: An error was detected while connecting to the mail server. Confirm the mail server, and then retry. |
| a05 | DMEA001016: An attempt to start the specified application program failed. Confirm the path to the specified application and the operation environment. |

| Error Code | Description |
|---|---|
| a06 | DMEA001052: The additional information file cannot be opened. Confirm the execution environment. |
| a07 | DMEA001053: The additional information file is invalid. Confirm the execution environment. |
| a08 | DMEA001054: The mail additional information length is invalid. |
| a09 | DMEA001055: The number of registered mail additional information items reached the maximum. Delete unnecessary information, and then retry. |
| a0a | DMEA001056: E-mail information cannot be saved. Check the permission and available capacity of the install directory. |
| b01 | DMEA001013: An internal program error occurred. Wait for a while and then retry. If the problem cannot be solved, contact the maintenance personnel. |
| b02 | DMEA001014: The connection type is invalid. |
| 1002 | DMEA00000B: An attempt to transfer data failed. Confirm the subsystem status and the LAN environment, and then retry. |
| 1003 | DMEA00000C: An attempt to issue the SCSI command failed. Confirm the subsystem status and the LAN environment, and then retry. |
| 1004 | DMEA001015: The firmware revision is not supported. Confirm the subsystem status. |
| 1005 | DMEA001018: The file in the specified path is incorrect. Specify the correct file path. |
| 1006 | DMEA001020: Could not finish replacing the firmware. Please see if there are any alarms or warnings in the subsystem. |
| 1007 | DMEA001028: An attempt to restart the subsystem failed. |
| 1008 | DMEA001072: The specified path name is over 250 characters. |
| 1009 | DMEA001074: The specified path name is incorrect. |
| 100a | DMEA001075: The specified path does not exist, or no effective files exist under the specified path. |
| 100b | DMEA001076: The firmware in the specified path does not exist. Please confirm whether the firmware is stored in the path or the specified path is right. |
| 100c | DMEA001077: Failed to create a firmware file directory. Confirm the execution environment. |
| 100d | DMEA00107A: The firmware replacement of the specified controller cannot be performed. Please replace the firmware of the other controller first. |
| 100e | DMEA00107B: The firmware cannot be read. Please check the permission and available capacity of the install directory. |
| 100f | DMEA00107C: The firmware is not read. |
| 1010 | DMEA001135: The ENC firmware download and replacement cannot be performed in the single-controller system. |
| 1011 | DMEA001136: The directory for storing the ENC firmware cannot be created. Please check the permission of the install directory. |
| 1012 | DMEA001137: The ENC firmware cannot be read. Please check the permission and available capacity of the install directory. |
| 1013 | DMEA001138: The ENC firmware is not read. |
| 1014 | DMEA001139: The ENC firmware of the specified subsystem is not read. |

| Error Code | Description |
|---|---|
| 1015 | DMEA001140: The ENC firmware in the specified path does not exist. Please confirm whether the ENC firmware is stored in the path or the specified path is right. |
| 1016 | DMEA001141: The ENC firmware cannot be read. Please confirm the file and then try again. |
| 1017 | DMEA001142: The contents of the ENC firmware are invalid. Please confirm the file and then try again. |
| 1018 | DMEA001143: An invalid character was used in the group name. |
| 1019 | DMEA001144: Incorrect character in the array unit name. |
| 101a | DMEA001145: The character length of the array unit name or group name is incorrect. |
| 101b | DMEA001170: The character length of the serial number is invalid. |
| 1020 | DMEA001167: The information cannot be set because the execution environment setting file exceeds 4096 bytes. Check the specified file. |
| 1021 | DMEA001168: The information can not be set because the Array Unit Name Setting File is over 255 Bytes. Please confirm the specified file. |
| 1030 | DMEA001169: Processing is not possible because the term of the temporary key or emergency key has expired. |
| 1040 | DMEA001171: The contents of the license key file are invalid. Check the contents of the file, and then try again. |
| 1041 | DMEA001172: The definition line in the license key file is invalid. Check the contents of the file, and then try again. |
| 1042 | DMEA001173: Processing cannot be performed because the number of license keys has exceeded 50. Check the contents of the file, and then try again. |
| 1043 | DMEA001175: Could not finish replacing the firmware. Please see if there are any alarms or warnings in the subsystem. |
| 1044 | DMEA001176: Processing cannot be performed because the NNC has not been installed. Check the NNC status, and then try again. |
| 1045 | DMEA001177: The specified NNC cannot perform processing because it is not physically installed or it cannot be connected. Please check the NNC status, and then try again. |
| 1046 | DMEA00117F: Processing cannot be performed because a fibre channel port is not physically installed. Check the state of the subsystem, and then try again. |
| 1047 | DMEA001180: Processing cannot be performed because the same address has been specified for NTP server 1 and NTP server 2. Specify different addresses, and then try again. |
| 1056 | DMEA00117E: The NNC BIOS firmware could not be read. Check whether the installation directory has write permissions and whether there is enough free space. |
| 1057 | DMEA00117D: NNC BIOS firmware does not exist in the specified path. Check whether the specified path is correct and whether NNC BIOS firmware is stored in that path. |
| 1058 | DMEA00117C: An attempt to create a directory for storing the NNC BIOS firmware has failed. Check whether the installation directory has write permissions. |
| 1059 | DMEA00117B: The NNC BIOS firmware has not been read. |
| 105a | DMEA00117A: The contents of the NNC BIOS firmware are invalid. Check the file, and then try again. |

| Error Code | Description |
|---|---|
| 105b | DMEA001181: Processing cannot be performed because the controller for the specified NNC has not been registered. Register the controller for the NNC, and then try again. |
| 105c | DMEA001182: Processing cannot be performed because an attempt to connect with the controller for the specified NNC failed. Check the array device status and the connection environment, and then try again. |
| 1060 | DMEA001178: The specified external program does not exist. Check whether the external program has been stored. |
| 1061 | DMEA001179: An attempt to call the specified external program has failed. Check the set contents and execution environment. |
| 1065 | DMEA001183: Processing cannot be performed because a port is invalid or is not physically installed. Check the array device. |
| 1070 | DMEA001184: Processing cannot be performed because a connection is not established with the maintenance port. Check the port connection, and then try again. |
| 1071 | DMEA001185: Processing cannot be performed because a connection is not established with the management port. Check the port connection, and then try again. |
| 1072 | DMEA0011B0: Processing cannot be performed because a fibre channel port and an iSCSI port are not physically installed. Check the port type and the status of the array device, and then try again. |
| 1075 | DMEA001186: Processing cannot be performed because the iSCSI port is not physically installed. Check the status of the array device, and then try again. |
| 1076 | DMEA001187: The specified target is already defined. Please confirm the name or number, and specify a new target. |
| 1077 | DMEA001188: The specified target is not defined. Please confirm the name or number, and specify a defined target. |
| 1078 | DMEA001189: The specified processing cannot be performed for Target 0. Specify a target other than Target 0. |
| 1079 | DMEA001190: The alias is invalid. Check the alias, and then try again. |
| 1080 | DMEA001191: The initiator name is invalid. Check the initiator name, and then try again. |
| 1081 | DMEA001192: The iSCSI name is invalid. Check the iSCSI name, and then try again. |
| 1082 | DMEA001193: The user name is invalid. Check the user name, and then try again. |
| 1083 | DMEA001194: The secret is invalid. Check the secret, and then try again. |
| 1084 | DMEA0011BE: Processing cannot be performed because the owner ID is invalid. Split the pair by using the application that created the pair. |
| 2000 | DMEA002000: Rebooting might have failed, because an error occurred while communicating with the subsystem. Please reboot once again. |
| 2001 | DMEA002001: The specified password is invalid. Check and, if necessary, revise the password, and then try again. |
| 2002 | DMEA002002: Processing cannot be performed because the account is disabled. Check and, if necessary, revise the account status, and then try again. |
| 2003 | DMEA002003: The process cannot be performed because the number of mapping for this port will reach the maximum. Delete unnecessary mapping and try again. |
| 2004 | DMEA002004: The specified group does not exist. Specify a exist group. |

| Error Code | Description |
|---|---|
| 2005 | DMEA002005: The specified pair is not defined. Specify a defined pair. |
| 2006 | DMEA002006: The specified pair is not defined in the specified group. Please confirm the pair definition and try again. |
| 2007 | DMEA002007: The specified pair is not defined or is not P-VOL in the self subsystem. When a pair is defined, please try again by connected subsystem. |
| 2008 | DMEA002008: The invalid character is specified in group name. Confirm the group name. |
| 2009 | DMEA002009: The invalid character is specified in pair name. Confirm the pair name. |
| 200a | DMEA00200A: The invalid character is specified in split string. Confirm the split string. |
| 200b | DMEA00200B: The specified group does not have the pair. Specify a exist group. |
| 200c | DMEA00200C: The requested operation cannot be finished. Confirm the subsystem status and the LAN environment, and then try again. |
| 200d | DMEA00200D: The specified pair is not defined or is not S-VOL in the self subsystem. When a pair is defined, please try again by connected subsystem. |
| 200e | DMEA00200E: Could not finish replacing the firmware. Confirm the subsystem status and the LAN environment, and then try again only the updating. Please try it again at least three times until complete it normally. If you cannot totally complete it normally, power OFF and then power ON the subsystem. |
| 200f | DMEA00200F: The process cannot be performed because the pair attribute that cannot operate. Please confirm the pair definition and try again. |
| 2010 | DMEA002010: The process cannot be performed because the pair attribute that cannot operate. Please confirm the pair definition and try again. |
| 2011 | DMEA002011: The process cannot be performed because the certificate file size is invalid. Please confirm the certificate file size and try again. |
| 2012 | DMEA002012: The process cannot be performed because the specified battery count is outside the effective range. Please confirm the battery count. |
| 2013 | DMEA002013: The initialization of configuration information might have failed, because an error occurred in the communication with the subsystem. Please initialize configuration information once again. |
| 2014 | DMEA002014: Failed to initialization of configuration information. |
| 2015 | DMEA002015: The subsystem cannot initialize configuration information. |
| 2016 | DMEA002016: The process cannot be performed because the connection with controller 0 failed. Confirm the subsystem status and the LAN environment, and then try again. |
| 2017 | DMEA002017: The process cannot be performed because the connection with controller 1 failed. Confirm the subsystem status and the LAN environment, and then try again. |
| 2018 | DMEA002018: The registered information does not match the status of the subsystem. Correct the information to match the status of the subsystem and then try again. |
| 2019 | DMEA002019: The specified IP address is incorrect, or it failed in the name resolution of the host name. Please confirm the connection and then try again. |
| 201a | DMEA00201A: The protocol version of IP address or the host name specified for controller 0 and controller 1 do not match. Please confirm the connection and then try again. |

| Error Code | Description |
|---|---|
| 201b | DMEA00201B: The automatic split immediately after the pair creation and the copying from the S-VOL to the P-VOL after the pair creation cannot be specified at a time. Please confirm the operation and try again. |
| 201c | DMEA00201C: The specified IP address is incorrect. Please specify a right IP address. |
| 201d | DMEA00201D: The specified default gateway address is incorrect. Please specify a right default gateway address. |
| 201e | DMEA00201E: The automatic split immediately after the pair creation cannot be specified to the pair which belongs to the group. Please confirm the operation and try again. |
| 201f | DMEA00201F: Two or more remote array ID cannot be changed. Please confirm the operation and try again. |
| 2020 | DMEA002020: The specified remote path name is not defined. Please specify a defined remote path name. |
| 2021 | DMEA002021: The invalid character is specified in remote path name. Please confirm the remote path name. |
| 2022 | DMEA002022: The specified serial number or array ID does not exist. Please specify a right serial number or array ID. |
| 2023 | DMEA002023: There is no remote array ID for change. Please confirm the operation and try again. |
| 2024 | DMEA002024: The process cannot be performed because DC power supply is physically unequipped. Please confirm the subsystem status and try again. |
| 2025 | DMEA002025: The process cannot be performed because the number of registered subsystems is over the maximum. Please delete unnecessary information and then try again. |
| 2026 | DMEA002026: The process cannot be performed because the specified parameter is not supported. Please confirm the operation and try again. |
| 2027 | DMEA002027: The specified file name for storing the CSV file is over 50 characters. Please specify the file name of 50 or less characters and then try again. |
| 2028 | DMEA002028: The specified RAID group is already defined or used by DP pool. Please specify a new RAID group. |
| 2029 | DMEA002029: Built-in account could not be set as an account for error monitoring. Please specify another user ID. |
| 202a | DMEA00202A: The specified Shared Secret is incorrect. Please confirm the Shared Secret and try again. |
| 202b | DMEA00202B: The DM-LU cannot be mapped. Confirm the setting file and then try again. |
| 202c | DMEA00202C: The directory does not exist. Please confirm the directory and then try again. |
| 202d | DMEA00202D: The shutdown might have failed, because an error occurred while communicating with the subsystem. Please try again. |
| fffe | DMEA00000E: An internal program error occurred. Wait for a while, and then retry. If the problem cannot be solved, contact maintenance personnel. |
| ffff | DMEA00000D: Insufficient memory. Terminate other programs, and then retry. |
| 10000 | DMEA000001: The Busy status was reported from the subsystem. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 20000 | DMEA000002: The Queue Full status was reported from the array device. Wait a while, and then try again. |
| 30000 | DMEA000003: LU0 is reserved by another host. Retry after the reservation is canceled. |
| 40000 | DMEA000004: An error was detected in the data received from the subsystem. Confirm the subsystem status and the LAN environment, and then retry. |
| 50000 | DMEA000005: An error occurred while communicating with the subsystem. Confirm the subsystem status and the LAN environment, and then retry. |
| 60000 | DMEA000006: Failed to connect with the subsystem. Confirm the subsystem status and the LAN environment, and then retry. |
| 70000 | DMEA000007: An invalid response was received from the subsystem. Confirm the subsystem status and the LAN environment, and then retry. |
| 80000 | DMEA000008: An unexpected error was reported from the subsystem. Retry after waiting for a while. |
| 90000 | DMEA00000A: The CHECK CONDITION status was reported from the subsystem, but the details could not be acquired. Retry after waiting for a while. |
| 900001 | DMEA900001: There is no file header. |
| 900002 | DMEA900002: The contents of the file are invalid. Confirm the file and then try again. |
| 900003 | DMEA900003: The file cannot be read. Please confirm the file and then try again. |
| 900004 | DMEA900004: The tape group configuration data is invalid. Please confirm the file and then try again. |
| 900005 | DMEA900005: The tape group number is invalid. |
| 900006 | DMEA900006: The tape group is already defined. |
| 900007 | DMEA900007: The same tape group number exists. |
| 900008 | DMEA900008: The number of tape groups and the number of generations are different. |
| 900009 | DMEA900009: The tape cartridge type is invalid. |
| 90000a | DMEA90000A: The specified tape cartridge type is not supported. |
| 90000b | DMEA90000B: The number of tape cartridges is invalid. |
| 90000c | DMEA90000C: The redundancy is invalid. |
| 90000d | DMEA90000D: The node name or the port name is invalid. |
| 90000e | DMEA90000E: The specified library does not exist. |
| 90000f | DMEA90000F: The secondary library is invalid. |
| 900010 | DMEA900010: There is no effective information. |
| 900011 | DMEA900011: The process cannot be performed because the current subsystem does not support the function. |
| 900012 | DMEA900012: The file path is too long. |
| 900013 | DMEA900013: The specified directory does not exist. |
| 900014 | DMEA900014: There is no key information. |
| 900015 | DMEA900015: This file is not TR constitution backup file. |
| 900016 | DMEA900016: The file version is unmatch. |

| Error Code | Description |
|---|---|
| 900017 | DMEA900017: There is no tape group information. |
| 900018 | DMEA900018: The tape group information is invalid. |
| 900019 | DMEA900019: The format of strings is invalid. |
| 900020 | DMEA900020: The tape group number is doubled. |
| 900021 | DMEA900021: The tape group detail information is invalid. |
| 900022 | DMEA900022: There is no tape information. |
| 900023 | DMEA900023: The tape information is invalid. |
| 900024 | DMEA900024: The tape group information is unmatch. |
| 900025 | DMEA900025: The value of information is too large. |
| 900026 | DMEA900026: The specified file does not exist. |
| 900027 | DMEA900027: The file is not specified. Please specify the file and try again. |
| 900028 | DMEA900028: There is no LU information. |
| 900029 | DMEA900029: The LU information is invalid. |
| 900030 | DMEA900030: The value of information is too small. |
| 900031 | DMEA900031: The TR constitution information is invalid. |
| 1000000 | DMES000000: Retry. |
| 1010200 | DMES010200: Retry. |
| 1010600 | DMES010600: Retry. |
| 1010802 | DMES010802: Retry. |
| 1010900 | DMES010900: Retry. |
| 1011300 | DMES011300: Retry. |
| 1011401 | DMES011401: Retry. |
| 1011501 | DMES011501: Retry. |
| 1011502 | DMES011502: Retry. |
| 1011700 | DMES011700: Retry. |
| 1011701 | DMES011701: Retry. |
| 1011702 | DMES011702: Retry. |
| 1011703 | DMES011703: Retry. |
| 1011800 | DMES011800: Retry. |
| 1011801 | DMES011801: Retry. |
| 1011802 | DMES011802: Retry. |
| 1011902 | DMES011902: Retry. |
| 1011903 | DMES011903: Retry. |
| 1013200 | DMES013200: Retry. |
| 1013201 | DMES013201: Retry. |
| 1015b00 | DMES015B00: Retry. |
| 1015b02 | DMES015B02: Retry. |

| Error Code | Description |
|---|---|
| 1015b03 | DMES015B03: Retry. |
| 1018a03 | DMES018A03: Retry. |
| 1018a04 | DMES018A04: Retry. |
| 1018b01 | DMES018B01: Retry. |
| 1019621 | DMES019621: Rebooting is required to apply the setup. |
| 1019625 | DMES019625: The Account Authentication function was enabled successfully. |
| 1019626 | DMES019626: The Account Authentication function was disabled successfully. |
| 1019627 | DMES019627: The Account Authentication function was unlocked successfully. |
| 1019628 | DMES019628: The Account Authentication function was locked successfully. |
| 10196f2 | DMES0196F2: TR constitution backup or restoration is requested. |
| 101ea05 | DMES01EA05: The firmware has been downloaded to the system drives, but some system drives could not be used. The subsystem can be used. |
| 1020400 | DMES020400: Processing cannot be performed because the LU is unformatted or currently being formatted. Check the LU status, and then try again. |
| 1020401 | DMES020401: Retry. |
| 1020402 | DMES020402: Retry. |
| 1020404 | DMES020404: Processing is not possible because it is now formatting. Retry after formatting completes. |
| 1020484 | DMES020484: Power off in process. Retry when the subsystem is in Ready status. |
| 1020500 | DMES020500: Retry. |
| 1023e00 | DMES023E00: Retry. |
| 1029500 | DMES029500: Processing is not possible because the subsystem is being shut down. Wait a moment and restart the subsystem, and then retry. |
| 1029501 | DMES029501: The process cannot be performed because the subsystem is in a shutdown state. Please restart the subsystem and then try again. |
| 102959a | DMES02959A: Retry. |
| 102959b | DMES02959B: Retry. |
| 10296f3 | DMES0296F3: The process cannot be performed because the MT library is connecting or not connected. Please confirm the MT library and then try again. |
| 10296f4 | DMES0296F4: The process cannot be performed because the path for the MT library connection is detached. Please confirm the path status and then try again. |
| 1029704 | DMES029704: The processing cannot be performed because some RAID groups are in low-power mode. Spin up the RAID groups, and then try again. |
| 1030c02 | DMES030C02: Retry. |
| 1031000 | DMES031000: Retry. |
| 1031102 | DMES031102: Retry. |
| 1031104 | DMES031104: Retry. |
| 1031200 | DMES031200: Retry. |
| 1031300 | DMES031300: Retry. |
| 1031401 | DMES031401: Retry. |

| Error Code | Description |
|---|---|
| 1031501 | DMES031501: Retry. |
| 1031502 | DMES031502: Retry. |
| 1031902 | DMES031902: Retry. |
| 1031903 | DMES031903: Retry. |
| 1031c01 | DMES031C01: Retry. |
| 1031c02 | DMES031C02: Retry. |
| 1031d00 | DMES031D00: Retry. |
| 1033100 | DMES033100: Retry. |
| 1033101 | DMES033101: Formatting ended abnormally. Retry after waiting for a while. |
| 1033180 | DMES033180: The specified LU is unformatted. Specify a formatted LU, and then retry. |
| 1033181 | DMES033181: Retry. |
| 1033201 | DMES033201: Retry. |
| 1038e01 | DMES038E01: Retry. |
| 1039300 | DMES039300: Retry. |
| 103f000 | DMES03F000: Retry. |
| 103f100 | DMES03F100: Retry. |
| 1040100 | DMES040100: Retry. |
| 1040200 | DMES040200: Retry. |
| 1040300 | DMES040300: Retry. |
| 1040600 | DMES040600: Retry. |
| 1040700 | DMES040700: Retry. |
| 1040800 | DMES040800: Retry. |
| 1040801 | DMES040801: Retry. |
| 1040802 | DMES040802: Retry. |
| 1040900 | DMES040900: Retry. |
| 1041b00 | DMES041B00: Retry. |
| 1043200 | DMES043200: Retry. |
| 1044400 | DMES044400: Retry. |
| 10444a0 | DMES0444A0: Retry. |
| 1044c00 | DMES044C00: Retry. |
| 1048a01 | DMES048A01: Retry. |
| 1048a02 | DMES048A02: Retry. |
| 1049000 | DMES049000: Retry. |
| 1049001 | DMES049001: Retry. |
| 1049100 | DMES049100: Retry. |
| 1049101 | DMES049101: Retry. |

| Error Code | Description |
|---|---|
| 1049502 | DMES049502: The requested operation cannot be performed. Confirm that there are no abnormalities in the subsystem. |
| 1049504 | DMES049504: The process cannot be performed because Switch Array failed. Please confirm the subsystem status and then try again. |
| 1049599 | DMES049599: Retry. |
| 1049900 | DMES049900: Retry. |
| 1049903 | DMES049903: The elimination of PIN data is not completed. Please wait for a while and then try again. |
| 104a000 | DMES04A000: Retry. |
| 104e400 | DMES04E400: Retry. |
| 104ea01 | DMES04EA01: Retry. |
| 104ea02 | DMES04EA02: Retry. |
| 104ea10 | DMES04EA10: An error was detected in firmware downgrade check. Please retry by using another firmware. |
| 104ea11 | DMES04EA11: The specified firmware could not be installed on to the RKL type because the firmware version is old. |
| 104eb00 | DMES04EB00: The information could not be set because the backup floppy disk is not inserted. |
| 104eb01 | DMES04EB01: The backup information could not be written on to the FD because the FDD is in use or an error occurred in the FDD on the subsystem. |
| 104eb02 | DMES04EB02: An error occurred during the writing to the floppy disk. |
| 104eb03 | DMES04EB03: The SCSI ID could not be set online due to other controller blockage. |
| 104f200 | DMES03F200: Retry. |
| 104f300 | DMES03F300: Retry. |
| 104f400 | DMES04F400: Retry. |
| 104f610 | DMES04F610: Retry. |
| 104f611 | DMES04F611: Retry. |
| 104f620 | DMES04F620: Retry. |
| 104f621 | DMES04F621: Retry. |
| 104f630 | DMES04F630: Retry. |
| 104f631 | DMES04F631: Retry. |
| 104f640 | DMES04F640: Retry. |
| 104f641 | DMES04F641: Retry. |
| 104f650 | DMES04F650: Retry. |
| 104f651 | DMES04F651: Retry. |
| 104f660 | DMES04F660: Retry. |
| 104f661 | DMES04F661: Retry. |
| 104f670 | DMES04F670: Retry. |
| 104f671 | DMES04F671: Retry. |
| 104f800 | DMES04F800: Retry. |

| Error Code | Description |
|---|---|
| 104f801 | DMES04F801: Retry. |
| 104f802 | DMES04F802: Retry. |
| 104f803 | DMES04F803: Retry. |
| 104f804 | DMES04F804: Retry. |
| 104f805 | DMES04F805: Retry. |
| 104f807 | DMES04F807: Retry. |
| 104f808 | DMES04F808: Retry. |
| 104f809 | DMES04F809: Retry. |
| 104f8f0 | DMES04F8F0: Retry. |
| 104f900 | DMES04F900: Retry. |
| 104f901 | DMES04F901: Retry. |
| 104f902 | DMES04F902: Retry. |
| 104f903 | DMES04F903: Retry. |
| 104f904 | DMES04F904: Retry. |
| 104f905 | DMES04F905: Retry. |
| 104f906 | DMES04F906: Retry. |
| 104f907 | DMES04F907: Retry. |
| 104f908 | DMES04F908: Retry. |
| 104f909 | DMES04F909: Retry. |
| 104f9f0 | DMES04F9F0: Retry. |
| 1050000 | DMES050000: Retry. |
| 1051a00 | DMES051A00: Retry. |
| 1052000 | DMES052000: Retry. |
| 1052100 | DMES052100: Retry. |
| 1052400 | DMES052400: Retry. |
| 1052500 | DMES052500: The processing cannot be performed because the LU is either undefined or cannot be recognized from the host. |
| 1052580 | DMES052580: An attempt to allocate the LU failed. Confirm the specified value. |
| 1052581 | DMES052581: The RAID group is not defined. Specify an existing RAID group. |
| 1052583 | DMES052583: The setting is not possible because the setting does not match the conditions of the LU cache resident settings. |
| 1052584 | DMES052584: The last LBA in the RAID group defined with RAID1+0 full mapping does not match the current value. |
| 1052590 | DMES052590: The LU non-owner controller received an LU replacement command (for TRESPASS mode only). |
| 10525a0 | DMES0525A0: Retry. |
| 1052600 | DMES052600: Processing failed due to an invalid parameter. Confirm the specified value. |

| Error Code | Description |
|---|---|
| 1052601 | DMES052601: Processing failed due to an unsupported parameter. Confirm the specified value. |
| 1052602 | DMES052602: Processing failed due to an invalid parameter. Confirm the specified value. |
| 1052604 | DMES052604: Release of Persistent Reservation failed because the type of the Persistent Reserve command was different. |
| 1055504 | DMES055504: It is impossible to register over 32 Reservation Keys in an LU. |
| 1058c01 | DMES058C01: Retry. |
| 1059401 | DMES059401: Retry. |
| 1059503 | DMES059503: The process cannot be performed because Switch Array failed. Please confirm the subsystem status and then try again. |
| 1059505 | DMES059505: The process cannot be performed because the controller is detached. Please recover the controller status and then try again. |
| 1059510 | DMES059510: The process cannot be performed because the firmware is being replaced. |
| 1059511 | DMES059511: Processing is not possible because the SVP is being replaced. |
| 1059520 | DMES059520: The specified function cannot be performed because the subsystem is in an incorrect status for execution. Confirm there are no alarms/warnings in the subsystem, or the configuration is changed. |
| 1059521 | DMES059521: The change from Dual Active mode to Hot Standby mode and the change from Hot Standby mode to Dual Active mode cannot be performed because of an excessive PIN state. Restore the PIN data, and then retry. |
| 1059530 | DMES059530: The specified user ID is not registered. |
| 1059531 | DMES059531: Execution failed because another user is logged in. |
| 1059532 | DMES059532: The specified user ID is already registered. |
| 1059533 | DMES059533: Registration failed because 20 users are already registered. |
| 1059534 | DMES059534: The specified password is not confirmed. |
| 1059535 | DMES059535: Another user already logged in. |
| 1059536 | DMES059536: The function cannot be used because it is not installed, locked, or disabled. |
| 1059537 | DMES059537: The function cannot be executed because you have not logged in. |
| 1059540 | DMES059540: A spare disk is defined within the range of the specified RAID group. Specify the range which does not contain a spare disk. |
| 1059541 | DMES059541: The drive capacity of the RAID group is invalid, or the RAID group capacity is too large. |
| 1059542 | DMES059542: The specified drive cannot be used as a spare drive. |
| 1059543 | DMES059543: The number of spare drives reached the maximum. |
| 1059544 | DMES059544: The specified drive is already defined as a spare drive, or is already being used in the RAID group. |
| 1059545 | DMES059545: The specified drive capacity is smaller than that of the RAID group. |
| 1059546 | DMES059546: The specified drive is not defined as a spare drive. |
| 1059547 | DMES059547: The specified spare drive cannot be released because it is in use. |
| 1059548 | DMES059548: The specified function has already been unlocked. |

| Error Code | Description |
|---|---|
| 1059549 | DMES059549: The specified function has already been locked. |
| 105954a | DMES05954A: Invalid key code. |
| 105954b | DMES05954B: The RAID group cannot be defined because the drive is not mounted, or a blocked drive exists. |
| 105954c | DMES05954C: The specified drive cannot be defined as a spare drive because it is not mounted or is in blocked status. |
| 105954d | DMES05954D: Processing is not possible because the target mode is not M-TID,M-LUN. |
| 105954e | DMES05954E: Processing is not possible because the addition of target information is required but changed or deleted information exist. |
| 1059550 | DMES059550: The function cannot be executed because of write prohibition. |
| 1059551 | DMES059551: The function cannot be executed because the concealment mode is enabled. |
| 1059552 | DMES059552: The function cannot be executed because the coupling LU or command device exists. |
| 1059554 | DMES059554: The function cannot be executed because the command device is not registered. |
| 1059555 | DMES059555: The function cannot be executed because the stripe size is not 64KB. |
| 1059557 | DMES059557: LU capacities of the P-VOL and S-VOL are not the same. Check the capacity of the LU. |
| 1059558 | DMES059558: Processing is not possible because the specified LU is a unified LU, or unified LUs exist. |
| 1059559 | DMES059559: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 105955a | DMES05955A: The unification cannot be performed because the controllers in charge of the LUs do not match. |
| 105955b | DMES05955B: The unification cannot be performed because the controller in charge of the LU is reserved to be changed. Cancel the reservation, and then retry. |
| 105955c | DMES05955C: The LU of RAID0 cannot be unified. Specify a LU with a RAID level that is not RAID0. |
| 105955d | DMES05955D: The unification cannot be performed because the size of the unified LU will exceed the maximum. |
| 105955e | DMES05955E: The separation cannot be performed because the specified LU is not a unified LU. Specify a unified LU and then retry. |
| 1059560 | DMES059560: Processing is not possible because the target mode is not M-TID,M-LUN. |
| 1059561 | DMES059561: Processing is not possible because the target mode is M-TID,M-LUN, but the target information has already been set. |
| 1059562 | DMES059562: The unification cannot be performed because the specified subLU is a unified LU. Specify a non-unified LU for subLU, and then retry. |
| 1059563 | DMES059563: The unification or separation cannot be performed because the specified LU is a Sub LU. Specify a Main LU (unified LU) and then try again. |
| 1059564 | DMES059564: LU0 cannot be specified as a subLU. Specify an LU other than LU0 for subLU, and then retry. |

| Error Code | Description |
|---|---|
| 1059565 | DMES059565: The unification cannot be performed because the status of the LU is not normal or degenerated. Specify a LU with a status that is normal or degenerated, and then retry. |
| 1059566 | DMES059566: The process cannot be performed because the LU number is over max LU number. Specify a number under max LU number and then try again. |
| 1059568 | DMES059568: The specified RAID group cannot be deleted because it contains LU0 and LUs exist in other RAID groups. |
| 1059569 | DMES059569: The specified LU cannot be deleted because it is not the last defined LU. |
| 105956a | DMES05956A: The specified LU cannot be defined because LU0 is not yet defined. Define LU0 first, and then retry. |
| 105956b | DMES05956B: The capacity is beyond the limits of supported. Split the unnecessary pairs. |
| 1059571 | DMES059571: An attempt to set the path failed. Confirm the subsystem and then retry. |
| 1059572 | DMES059572: An attempt to delete the path failed. Confirm the subsystem and then retry. |
| 1059573 | DMES059573: An option that cannot be specified at the same time is effective unlocked. |
| 1059574 | DMES059574: The process cannot be performed because Remote Replication is in progress. |
| 1059575 | DMES059575: The option cannot be locked or disabled because the path has already been set. |
| 1059577 | DMES059577: Processing is not possible because the pair creation is in progress. |
| 105957a | DMES05957A: The process cannot be performed because the status of pair is suspend. Retry after solving the error. |
| 105957b | DMES05957B: The process cannot be performed under 'pair' status. Retry after splitting the pair. |
| 105957c | DMES05957C: Processing is not possible because the pair has been created in another subsystem. |
| 105957d | DMES05957D: Processing is not possible because the subsystem is in a condition of over the inflow threshold. |
| 105957e | DMES05957E: The process cannot be performed because the status of ShadowImage pair is incorrect. |
| 105957f | DMES05957F: The option cannot be unlocked because it used in the Fibre Channel subsystem. |
| 1059580 | DMES059580: The process cannot be performed because the RAID Manager is doing a conflicting process. Wait a moment and then try again. |
| 1059590 | DMES059590: Processing is not possible because the subsystem is for the exclusive use of 128 LUs. |
| 1059591 | DMES059591: Processing is not possible because the number of ShadowImage pairs reached the maximum. |
| 1059596 | DMES059596: Retry. |
| 1059600 | DMES059600: Processing is not possible. Wait for a while, and then retry. |
| 1059601 | DMES059601: The specified host group number is valid. |

| Error Code | Description |
|---|---|
| 1059602 | DMES059602: Processing is not possible because the specified option is not a fee-basis option. |
| 1059603 | DMES059603: Processing is not possible because the specified size of the LU exceeds the maximum LU size. |
| 1059606 | DMES059606: The specified LU is invalid. Specify a valid LU and then retry. |
| 1059607 | DMES059607: The function cannot be executed because the pair LU or SnapShot logical unit already exists. |
| 105960a | DMES05960A: The function cannot be executed because a logical unit already added to the data pool exists. |
| 1059612 | DMES059612: Processing is not possible because the specified LU is being quick formatted. Wait until the quick format finishes, and then retry. |
| 1059615 | DMES059615: Processing is not possible because the specified logical unit is part of a COW Snapshot pair. Cancel the COW Snapshot pair, and then try again. |
| 1059617 | DMES059617: Processing is not possible because the specified RAID level is not supported. Specify a supported RAID level, and then retry. |
| 105961a | DMES05961A: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry. |
| 105961d | DMES05961D: The RAID group cannot be created because different types of drives are specified. Check the drive types, and then retry. |
| 105961e | DMES05961E: One internal LUN cannot be mapped to two or more host LUNs in a port. Check the specified mapping information, and then try again. |
| 105961f | DMES05961F: The function cannot be executed because the Hi-Copy pair LU already exists. Cancel the Hi-Copy pair, and then try again. |
| 10596f5 | DMES0596F5: Could not start replacing the micro program because the process is in progress in the MT library. Please retry after process completes. |
| 10596f6 | DMES0596F6: The process cannot be performed because other process is in progress in the MT library. Please retry after process completes. |
| 10596f7 | DMES0596F7: The micro program cannot be downgraded because the LTO4 tape drive exists. Please retry after romoving it or by using another micro program. |
| 10596f8 | DMES0596F8: The micro program cannot be downgraded because LUN Expansion are unlocked. Please retry after locking option or by using another micro program. |
| 10596f9 | DMES0596F9: The micro program cannot be downgraded because ShadowImage are unlocked. Please retry after locking option or by using another micro program. |
| 10596fa | DMES0596FA: The micro program cannot be downgraded because the LTO4 tape or the LTO4 tape group exists. Please retry after executing the inventory after exporting the tape and deleting the tape group or by using another micro program. |
| 10596fb | DMES0596FB: The micro program cannot be downgraded because Cartridge Cell License are unlocked. Please retry after locking option or by using another micro program. |
| 10596fc | DMES0596FC: The micro program cannot be downgraded because the non-supported MT library is connected. Please retry after deleting the MT library or by using another micro program. |
| 105ea03 | DMES05EA03: Failed to download the firmware. Please confirm the combination of the specified firmware and the subsystem. |
| 105ea04 | DMES05EA04: Failed to replace the firmware. Confirm the subsystem. |
| 105ea10 | DMES05EA10: An error was detected in firmware downgrade check. Please retry by using another firmware. |

| Error Code | Description |
|---|---|
| 105ea12 | DMES05EA12: It is impossible to change from the 128LU version firmware to the 64LU version firmware. |
| 105ea14 | DMES05EA14: The firmware cannot be downgraded because the High-speed Sequential Write Mode is enabled. Please set the High-speed Sequential Write Mode to disable then try again. |
| 105ea15 | DMES05EA15: The firmware cannot be downgraded because the Random Simple Buffer Size 0% Mode is enabled. Please set the Random Simple Buffer Size 0% Mode to disable then try again. |
| 105ea16 | DMES05EA16: The firmware cannot be downgraded on this current spare drive configuration. Please release all spare drives then try again. |
| 105ea17 | DMES05EA17: The firmware cannot be downgraded because the units are intermixed. Please remove the AT units then try again. |
| 105ea18 | DMES05EA18: The firmware cannot be downgraded because the ShadowImage I/O Switch Mode is enabled. Please set the ShadowImage I/O Switch Mode to disable then try again. |
| 105ea19 | DMES05EA19: The firmware cannot be downgraded because SnapShot and Cache Residency are unlocked together or not restarted the subsystem after locked. Please lock either option and restart the subsystem, and then try again. |
| 105ea1a | DMES05EA1A: Cannot download, because the firmware does not match to this subsystem. Please retry by using another firmware. |
| 105ea1b | DMES05EA1B: The firmware cannot be downgraded because the RAID group of RAID6 exists. Please retry after deleting it or by using another firmware. |
| 105ea1c | DMES05EA1C: The firmware cannot be downgraded because the non-supported units are connected. Please retry after removing the units or by using another firmware. |
| 105ea1d | DMES05EA1D: The firmware cannot be downgraded because the non-supported cache is connected. Please retry after removing the cache or by using another firmware. |
| 105ea1e | DMES05EA1E: Execution is not possible because the NNC connected to the specified controller is not shut down. Shut down the NNC, and then retry the operation. |
| 105ea1f | DMES05EA1F: Execution is not possible because the NNC is not shut down. Shut down the NNC, and then retry the operation. |
| 105ea20 | DMES05EA20: The subsystem cannot be restarted. |
| 105ea30 | DMES05EA30: The ENC firmware download and replacement cannot be performed because there is an error in the loop. Please retry after solving the error. |
| 105ea31 | DMES05EA31: The process cannot be performed because the ENC firmware is being replaced. Please retry after replacement completes. |
| 105ea32 | DMES05EA32: Failed to download the ENC firmware. Please confirm the combination of the specified ENC firmware and the subsystem. |
| 105ea33 | DMES05EA33: The ENC firmware of this revision cannot be downloaded. Please retry by using another ENC firmware. |
| 105ea34 | DMES05EA34: The sum check error of the ENC firmware occurred. Please retry by using another ENC firmware. |
| 105ea35 | DMES05EA35: The ENC firmware is not downloaded. Please try again after downloading. |
| 105ea36 | DMES05EA36: Failed to replace the ENC firmware. Please confirm the subsystem. |

| Error Code | Description |
|---|---|
| 105ea40 | DMES05EA40: Processing is not possible because the automatic download is enabled. Disable automatic download, and then try again. |
| 105ea41 | DMES05EA41: The process cannot be performed because the ENC firmware is being replaced. Please retry after replacement completes. |
| 105ea42 | DMES05EA42: The process cannot be performed because the subsystem is under diagnosis process. Please retry after a while. |
| 105ea43 | DMES05EA43: The process cannot be performed because the controller is detached. Recover the controller status and then try again. |
| 105ea44 | DMES05EA44: The process cannot be performed because the ENC is detached. Recover the ENC status and then try again. |
| 105ea45 | DMES05EA45: The process cannot be performed in the single-controller system. Confirm the system configuration. |
| 105ea46 | DMES05EA46: The ENC firmware of this revision cannot be replaced. Please retry by using another ENC firmware. |
| 105ea49 | DMES05EA49: The firmware replacement cannot be performed because the CPU is heavily-loaded. Please wait a moment and then try again. |
| 105eb04 | DMES05EB04: The FDD on the subsystem could not be diagnosed because the FDD is in use. |
| 1062900 | DMES062900: Retry. |
| 1062a00 | DMES062A00: Retry. |
| 1062a03 | DMES062A03: For the LU, all Reservation Keys and Persistent Reservations were cleared by the Clear service action of the Persistent Reserve command. |
| 1062a04 | DMES062A04: The registration of the Persistent Reserve command or Register & Ignore Key service action cleared the Reservation Key and released the Persistent Reservation. |
| 1062a05 | DMES062A05: Preempt of the Persistent Reserve command or a Preempt & Abort service action cleared the Reservation Key. |
| 1062f00 | DMES062F00: Retry. |
| 1063f01 | DMES063F01: The firmware is downloaded. |
| 1068200 | DMES068200: Retry. |
| 1068201 | DMES068201: Retry. |
| 1068202 | DMES068202: Retry. |
| 1068210 | DMES068210: Retry. |
| 1068211 | DMES068211: Retry. |
| 1068212 | DMES068212: Retry. |
| 1068213 | DMES068213: Retry. |
| 1068214 | DMES068214: Retry. |
| 1068215 | DMES068215: Retry. |
| 1068216 | DMES068216: Retry. |
| 1068217 | DMES068217: Retry. |
| 1068218 | DMES068218: Retry. |
| 1068219 | DMES068219: Retry. |

| Error Code | Description |
|---|---|
| 106821a | DMES06821A: Retry. |
| 1068300 | DMES068300: Retry. |
| 1068400 | DMES068400: Retry. |
| 1079578 | DMES079578: Processing is not possible because the data is being copied. |
| 1079595 | DMES079595: Retry. |
| 1079597 | DMES079597: Retry. |
| 1079598 | DMES079598: Retry. |
| 10b3d00 | DMES0B3D00: Retry. |
| 10b4300 | DMES0B4300: Retry. |
| 10b4500 | DMES0B4500: Retry. |
| 10b4700 | DMES0B4700: Retry. |
| 10b4800 | DMES0B4800: Retry. |
| 10b4900 | DMES0B4900: Retry. |
| 10b4a00 | DMES0B4A00: Retry. |
| 10b4b00 | DMES0B4B00: Retry. |
| 10b4e00 | DMES0B4E00: Retry. |
| 10b9531 | DMES0B9531: The execution could not be performed because another user is logged in. |
| 10bc000 | DMES0BC000: Retry. |
| 10bc001 | DMES0BC001: Retry. |
| 10bc002 | DMES0BC002: Retry. |
| 10bc100 | DMES0BC100: Retry. |
| 10bc200 | DMES0BC200: Retry. |
| 10bda00 | DMES0BDA00: The process cannot be performed because the drive recovery is in progress. Retry after waiting for a while. |
| 10bfd00 | DMES0BFD00: Processing is not possible due to LU replacement. Connect to the controller with owner permission, and then retry. |
| 10bfd01 | DMES0BFD01: Processing is suspended due to LU replacement. Retry after waiting for a while. |
| 3010001 | DMED010001: The same host group name exists in a port. Confirm the host group name, and then retry. |
| 3010002 | DMED010002: The same WWN name exists in a port. Confirm the WWN name, and then retry. |
| 3010003 | DMED010003: WWNs cannot be assigned to undefined host groups. Specify a defined host group, and then try again. |
| 3010004 | DMED010004: The function cannot be executed because the host group security on all ports is set to enabled. Set the host group security to disabled on all ports, and then retry. |
| 3010005 | DMED010005: Processing cannot be performed because the target security for a port is enabled. Disable the target security for all ports, and then try again. |

| Error Code | Description |
|---|---|
| 3010006 | DMED010006: Processing cannot be performed because the specified name is the default name for host group 0. Check the name, and then try again. |
| 3020001 | DMED020001: The value of the Dirty Data Opportunity is outside the valid range. Specify a value in the valid range, and then retry. |
| 3020002 | DMED020002: The value of the Dirty Data Stop Opportunity is outside the valid range. Specify a value in the valid range, and then retry. |
| 3020003 | DMED020003: The value of the Dirty Data Stop Opportunity is less than or equal to the value of the Dirty Data Opportunity. Specify the value, and then retry. |
| 3020004 | DMED020004: The value of the Prefetch Starting Opportunity is outside the valid range. Specify a value in the valid range, and then retry. |
| 3020005 | DMED020005: The LU number is outside the valid range. Specify a LU number in the valid range, and then retry. |
| 3020006 | DMED020006: The reserved random simple buffer size is outside the valid range. Specify a value within the effective range, and then retry. |
| 3020007 | DMED020007: The specification of the Random Simple Buffer Size 0% is incorrect. Revise the specification. |
| 3020008 | DMED020008: Prefetch Count is outside the valid range. Specify a value in the valid range, and then retry. |
| 3020009 | DMED020009: Prefetch Size is outside the valid range. Specify a value in the valid range, and then retry. |
| 302000a | DMED02000A: The specification of the Next Prefetch Opportunity Mode is incorrect. Revise the specification. |
| 302000b | DMED02000B: Setup is not possible because the Multiple Stream Mode of the system parameters is disabled. Enable the Multiple Stream Mode, and then retry. |
| 3020010 | DMED020010: The number of sequential judgments is outside the valid range. Specify a value in the valid range, and then try again. |
| 3020011 | DMED020011: The base Prefetch size is outside the valid range. Specify a value in the valid range, and then try again. |
| 3020012 | DMED020012: The fixed Prefetch size is outside the valid range. Specify a value in the valid range, and then try again. |
| 3020013 | DMED020013: The value of Dirty Data Opportunity is equal to or less than value of Dirty Data Stop Opportunity. Specify the value and try again. |
| 3020014 | DMED020014: The process cannot be performed because the specified Load Balancing value is outside the effective range. Set up an effective value. |
| 3020015 | DMED020015: The process cannot be performed because the specified Load Balancing Monitoring Time is outside the effective range. Please set up an effective value. |
| 3030001 | DMED030001: The specified LU is already invalid. Confirm the LU status, and then retry. |
| 3030002 | DMED030002: The number of LUs exceeds the maximum number of LUs. Delete unnecessary LUs, and then retry. |
| 3030003 | DMED030003: The specified LU is not invalid. Specify a invalid LU, and then retry. |
| 3030004 | DMED030004: The specified LU capacity has exceeded the capacity of the original LU. Confirm the LU capacity, and then retry. |
| 3030006 | DMED030006: The specified LU is invalid. Specify a valid LU, and then retry. |

| Error Code | Description |
|---|---|
| 3030007 | DMED030007: The specified LU is unformatted. Specify a formatted LU, and then retry. |
| 3030008 | DMED030008: The number of LUs exceeds the maximum. Delete any unnecessary LUs, and then retry. |
| 3030009 | DMED030009: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 303000a | DMED03000A: The specified LU capacity is less than or equal to the minimum capacity of the LU. Specify a capacity larger than the minimum of the LU, and retry. |
| 303000b | DMED03000B: Processing cannot be performed because the access level has been set. Change the attribute to Read/Write, enable the S-VOL mode, and then try again. |
| 3040001 | DMED040001: The specified LUs contain a subLU. Confirm the LU status, and then retry. |
| 3040003 | DMED040003: The specified LUs contain a regressed or detached LU. Confirm the LU status, and then retry. |
| 3040004 | DMED040004: The specified LUs contain an un-mounted drive. Confirm the drive status, and then retry. |
| 3040005 | DMED040005: The specified LUs contain an invalid LU. Confirm the LU status, and then retry. |
| 3040006 | DMED040006: Someone is already logged in. Set the password protection function to disabled, and then retry. |
| 3040007 | DMED040007: There is no LU with an entry of format. |
| 3040008 | DMED040008: Format of the logical unit cannot be performed under drive blockage mode. Turn off the drive blockade mode system parameter. |
| 3040009 | DMED040009: Processing cannot be performed because the access level has been set. Change the attribute to Read/Write, enable the S-VOL mode, and then try again. |
| 3050001 | DMED050001: Processing cannot be executed because the specified LU has a PIN or there are too many PINs. Restore the PIN data, and then try again. |
| 3050002 | DMED050002: Processing is not possible because the cache segment is insufficient. Wait for a while, and then try again. |
| 3050003 | DMED050003: Processing cannot be performed because the specified LU is continuously receiving write commands from the host, or the subsystem is running under a high load. Please wait a while, and then try again. |
| 3050004 | DMED050004: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 3050005 | DMED050005: Processing is not possible because a partition with the necessary conditions for LU switching does not exist. Confirm the partition definition, and then try again. |
| 3050006 | DMED050006: Processing cannot be performed because the specified logical unit is reserved for cache partition modification. Change the cache partition, and then try again. |
| 3050007 | DMED050007: Processing is not possible because the LU is being switched. Wait for a while, and then try again. |
| 3050008 | DMED050008: Processing is not possible because the LU is being switched. Wait for a while, and then try again. |
| 3050009 | DMED050009: The LU switching could not be performed. |

| Error Code | Description |
|---|---|
| 305000a | DMED05000A: Processing is not possible because the controller is blocked. Recover the controller status, and then try again. |
| 305000b | DMED05000B: The process cannot be performed because the controller of LU partition does not match or the partition number of LU is not same. Specify the LU which uses the same controller's partition, or the same partition. When the partition of a LU is set as 0 or 1, set a pair partition as auto. |
| 305000c | DMED05000C: An internal program error occurred. Wait for a while and then try again. If the problem cannot be solved, contact the maintenance personnel. |
| 305000d | DMED05000D: The time out occurred by the LU changing during controller recovery. Please wait for a while and then try again. |
| 305000e | DMED05000E: The process cannot be performed because Remote Replication is in progress. Please retry after replacement completes. |
| 305000f | DMED05000F: The operation to change the controllers that control logical unit cannot be performed because the status of the ShadowImage pair that the specified logical unit is a part of or the ShadowImage pairs that share the same P-VOL is Synchronizing or Reverse Synchronizing. Please execute the operation when the status of all the pairs is changed to Split, Paired or Failure. |
| 3050010 | DMED050010: The operation to change the controllers that controls logical unit cannot be performed because the specified logical unit is a part of a Volume Migration pair and its pair status is Synchronizing. Please execute the operation when the pair status is not Synchronizing. |
| 3050011 | DMED050011: The operation to change the controllers that controls logical unit cannot be performed because Auto Migration is in progress. Please execute the operation after Auto Migration is completed. |
| 3050012 | DMED050012: The operation to change the controllers that control logical unit cannot be performed because the status of the ShadowImage pair that the specified logical unit is a part of or the ShadowImage pairs that share the same P-VOL is Synchronizing, Reverse Synchronizing, Split Pending or Paired Internally Synchronizing. Please execute the operation when the status of all the pairs is changed to Split, Paired or Failure. |
| 3070001 | DMED070001: The dual ID success cannot be set because either the number of host interface boards or interface board types are different between the controllers. Confirm the interface boards status, and then retry. |
| 3070002 | DMED070002: The specified IP address is incorrect. Specify a correct IP address. |
| 3070004 | DMED070004: The High-speed Sequential Write Mode cannot be disabled because process of Write command from the hosts is not completed. Wait for a while and then try again, or use the system parameter setting with reboot. |
| 3070005 | DMED070005: The Multiple Stream Mode and the High-speed Sequential Write Mode cannot be specified at the same time. |
| 3070006 | DMED070006: When a ShadowImage pair with the S-VOL Switch status exists, the ShadowImage I/O Switch Mode cannot be disabled. Resolve the problem with the pair status, and then try again. |
| 3070007 | DMED070007: The configuration of the single or dual controller system cannot be changed because Cache Partition Manager is enabled. Lock or disable Cache Partition Manager, and then try again. |
| 3070008 | DMED070008: Processing cannot be performed because the specified port number is outside the valid range. Check the port number. |
| 3070009 | DMED070009: The port number of another controller cannot be set. Check the controller to be set up. |

| Error Code | Description |
|---|---|
| 3070010 | DMED070010: The process cannot be performed because the specified secure port number is outside the effective range. Please confirm the secure port number. |
| 3070011 | DMED070011: The secure port number of other controller cannot be set up. Please confirm the controller number. |
| 3070012 | DMED070012: The process cannot be performed because the non-secure port and secure port are same port number. Please set the different port number. |
| 3070013 | DMED070013: The process cannot be performed because the non-secure port status is changed by the non-secure port. Please retry by the secure port. |
| 3070014 | DMED070014: The process cannot be performed because the port number and the non-secure port status are changed at the same time. Please confirm the operation and try again. |
| 3070015 | DMED070015: The process cannot be performed because the non-secure port status of other controller is changed. Please confirm the controller number. |
| 3070016 | DMED070016: The process cannot be performed because the specified port number is reserved. Please set the unreserved port number. |
| 3080001 | DMED080001: The data pool cannot be used. Restart the subsystem. |
| 3080002 | DMED080002: Processing is not possible because a logical unit is being restored. Wait for a while, and then retry. |
| 3080003 | DMED080003: Processing is not possible because a logical unit to be added to the data pool is not specified. |
| 3080004 | DMED080004: Processing is not possible because the same logical unit number has been specified more than twice. Confirm the logical unit number, and then retry. |
| 3080005 | DMED080005: The specified logical unit number is outside the valid range. Specify a logical unit number within the range, and then retry. |
| 3080006 | DMED080006: This process cannot be performed. The status of the specified logical unit must be in either normal or regressed state. Please verify the status of the logical unit and try again. |
| 3080007 | DMED080007: Processing is not possible because the RAID level or HDU combination of the specified logical unit is not supported. Confirm the currently supported RAID levels and the HDU combinations, and then retry. |
| 3080008 | DMED080008: Processing cannot be performed because the number of LUs in the data pool has reached the maximum. Delete some LUs from the data pool, and then try again. |
| 3080009 | DMED080009: Processing is not possible because the specified logical unit is a unified LU. Separate the unified LU, and then retry. |
| 308000a | DMED08000A: Processing is not possible because the specified logical unit is a part of a ShadowImage pair. Cancel the ShadowImage pair, and then retry. |
| 308000b | DMED08000B: The process cannot be performed because the specified logical unit is a part of Remote Replication pair. Cancel the Remote Replication pair and try again. |
| 308000c | DMED08000C: Processing is not possible because the specified logical unit is a command device. Cancel the command device, and then retry. |
| 308000d | DMED08000D: Processing is not possible because the specified logical unit has been invalidated. Restore the logical unit, and then retry. |
| 308000e | DMED08000E: The process cannot be performed because the specified logical unit is a part of SnapShot pair or a SnapShot logical unit. Cancel the SnapShot pair or specify another logical unit and try again. |

| Error Code | Description |
|---|---|
| 308000f | DMED08000F: The process cannot be performed because the specified logical unit is defined as a SnapShot logical unit. Specify another logical unit and try again. |
| 3080010 | DMED080010: Processing is not possible because the specified logical unit is added to a data pool. Specify another logical unit, and then retry. |
| 3080012 | DMED080012: Processing is not possible because the owner controller is different between the specified logical unit and the data pool. Confirm the logical unit owner controller, and then retry. |
| 3080013 | DMED080013: Processing is not possible because the specified logical unit has been receiving the Write command continuously from the hosts. Wait for a while, and then retry. |
| 3080014 | DMED080014: Processing is not possible because other logical unit is changing the Default Controller. Wait for a while, and then retry. |
| 3080015 | DMED080015: Processing is not possible because the specified logical unit is in the PIN exceeded state. Restore PIN data, and then retry. |
| 3080016 | DMED080016: Processing is not possible because the specified logical unit is not enough for sufficient cache blocks. Specify another logical unit, and then retry. |
| 3080017 | DMED080017: Processing is not possible because no logical unit exists in the data pool. |
| 3080018 | DMED080018: Processing is not possible because the COW Snapshot pair exists in the specified data pool. Cancel the COW Snapshot pair, and then try again. |
| 3080019 | DMED080019: Processing is not possible because the data pool to be deleted is not specified. |
| 308001a | DMED08001A: Processing is not possible because the threshold of the usage rate in the data pool is not specified. |
| 308001b | DMED08001B: The specified threshold is outside the valid range. Specify a value in the valid range, and then retry. |
| 308001c | DMED08001C: Processing is not possible because the specified logical unit has capacity equal to or less than 2GB. Specify the logical unit with a capacity larger than 2GB, and then retry. |
| 308001d | DMED08001D: The process cannot be performed because S-VOL mode of the specified logical unit is disabled. Set S-VOL mode to enable then try again. |
| 308001e | DMED08001E: Processing is not possible because quick formatting is now running. Retry after the quick formatting is completed. |
| 308001f | DMED08001F: The number of specified logical units is over 64. Specify 64 or fewer logical units. |
| 3080020 | DMED080020: Processing is not possible because the drive types of the specified logical unit and data pool are different. Check the drive types, and then retry. |
| 3080021 | DMED080021: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 3080022 | DMED080022: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 3080023 | DMED080023: The logical units Unit0 and Unit1, as well as those thereafter, cannot be mixed into the data pool. |
| 3080024 | DMED080024: Processing is not possible because a DM-LU is not defined. Define a DM-LU, and then try again. |

| Error Code | Description |
|---|---|
| 3080025 | DMED080025: Processing is not possible because the specified logical unit is reserved for cache partition modification. Specify another logical unit, and then try again. |
| 3080026 | DMED080026: The process cannot be performed because the number of logical units reached the system maximum. Please delete logical units in the data pool and try again. |
| 3080027 | DMED080027: The process cannot be performed because the number of logical units will reach the system maximum. Please delete logical units in the data pool and try again. |
| 3090001 | DMED090001: The logical unit number of the specified P-VOL is outside the valid range. Specify a logical unit number within the effective range, and then retry. |
| 3090003 | DMED090003: The logical unit number of specified SnapShot logical unit is outside of the effective range. Specify the logical unit number of effective range and try again. |
| 3090004 | DMED090004: The process cannot be performed because the logical unit number of the SnapShot logical unit created or deleted is not specified. |
| 3090005 | DMED090005: The process cannot be performed because the same logical unit number has been specified as a SnapShot logical unit more than twice. Confirm the logical unit number and try again. |
| 3090006 | DMED090006: Processing is not possible because the specified logical unit of the P-VOL is neither in normal nor in regressed state. Specify a logical unit in the normal or regressed state, and then retry. |
| 3090007 | DMED090007: Processing is not possible because no logical unit exists in the data pool of the controller system of the specified P-VOL. Add a logical unit to the data pool, and then retry. |
| 3090008 | DMED090008: Processing is not possible because the RAID level of the specified P-VOL or HDU combination is not supported. Confirm the currently supported RAID levels and the HDU combinations, and then retry. |
| 3090009 | DMED090009: The process cannot be performed because the number of created SnapShot logical unit for the specified P-VOL has reached its maximum. Delete unnecessary SnapShot logical unit and try again. |
| 309000a | DMED09000A: The logical unit number has already been defined. Specify a new number. |
| 309000b | DMED09000B: Processing is not possible because the specified P-VOL is a unified LU. Separate the unified LU, and then retry. |
| 309000c | DMED09000C: Processing is not possible because the specified P-VOL is a part of a ShadowImage pair. Cancel the ShadowImage pair, and then retry. |
| 309000d | DMED09000D: The process cannot be performed because the specified P-VOL is a part of Remote Replication pair. Cancel the Remote Replication pair and try again. |
| 309000e | DMED09000E: Processing is not possible because the specified P-VOL is part of a COW Snapshot pair. Cancel the COW Snapshot pair, and then try again. |
| 309000f | DMED09000F: Processing is not possible because the specified P-VOL is a command device. Cancel the command device, and then retry. |
| 3090010 | DMED090010: Processing is not possible because the specified P-VOL is invalid. Restore the LU, and then retry. |
| 3090011 | DMED090011: Processing is not possible because the specified P-VOL has already been added to a data pool. Specify another LU number, and then retry. |
| 3090012 | DMED090012: Processing is not possible because the specified P-VOL cannot get sufficient cache capacity. Make sure there is enough cache capacity, and then retry. |

| Error Code | Description |
|---|---|
| 3090013 | DMED090013: Processing is not possible because the HDU combination of the specified P-VOL differs from registered logical units in the data pool. Confirm the HDU combination, and then retry. |
| 3090014 | DMED090014: Processing is not possible because the specified P-VOL has been receiving the Write command continuously from the hosts. Wait for a while, and then retry. |
| 3090015 | DMED090015: Processing is not possible because another logical unit is changing the Default Controller. Wait for a while, and then retry. |
| 3090016 | DMED090016: Processing is not possible because the specified P-VOL is in the PIN exceeded state. Restore the PIN data, and then retry. |
| 3090017 | DMED090017: Processing is not possible because the specified P-VOL is not defined. Specify a defined logical unit, and then retry. |
| 3090018 | DMED090018: The process cannot be performed because the specified SnapShot logical unit has been creating the pair. Cancel the SnapShot pair and try again. |
| 3090019 | DMED090019: Processing is not possible because P-VOL is being deleted. Wait for a while, and then retry. |
| 309001a | DMED09001A: The process cannot be performed because the specified set of P-VOL and SnapShot logical unit is not a pair. Confirm the pair status and try again. |
| 309001b | DMED09001B: Processing is not possible because the number of COW Snapshot pairs reached the maximum. Delete unnecessary COW Snapshot pairs, and then try again. |
| 309001c | DMED09001C: Processing is not possible because the unified LU is composed of 17 or more sub logical units. Specify another logical unit, and then retry. |
| 309001d | DMED09001D: Processing is not possible because the unified LU contains a sub logical unit with a size less than 1GB. |
| 309001e | DMED09001E: Processing is not possible because the management area of the COW Snapshot is insufficient. Delete unnecessary COW Snapshot pair(s), and then try again. |
| 309001f | DMED09001F: Processing is not possible because the drive types of the specified logical unit and V-VOL are different. Check the drive types, and then retry. |
| 3090020 | DMED090020: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 3090021 | DMED090021: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 3090022 | DMED090022: The process cannot be performed because the specified SnapShot logical unit is a part of Remote Replication pair. Cancel the Remote Replication pair and try again. |
| 3090023 | DMED090023: The process cannot be performed because the specified SnapShot logical unit is a part of Hi-Copy pair. Cancel the Hi-Copy pair and try again. |
| 3090024 | DMED090024: The process cannot be performed because the P-VOL of specified SnapShot logical unit is reserved for cache partition modification. Please retry after cache partition modification is completed. |
| 3090025 | DMED090025: The process cannot be performed because the specified V-VOL size will exceed the maximum of LU size. Confirm the specified V-VOL size. |
| 3090026 | DMED090026: The specified LU is not V-VOL. Specify the LU number of V-VOL and try again. |
| 30a0001 | DMED0A0001: Processing is not possible because the specified LU is invalid. Restore the LU, and then retry. |

| Error Code | Description |
|---|---|
| 30a0002 | DMED0A0002: Processing is not possible because the specified LU is a subLU of a unified LU. Separate the unified LU, and then retry. |
| 30a0003 | DMED0A0003: Processing is not possible because the specified LU is a S-VOL of ShadowImage. Specify another logical unit, and then retry. |
| 30a0004 | DMED0A0004: The process cannot be performed because the specified LU is S-VOL of Remote Replication. Specify another logical unit and try again. |
| 30a0005 | DMED0A0005: The process cannot be performed because the specified LU is SnapShot logical unit. Specify another logical unit and try again. |
| 30a0006 | DMED0A0006: Processing is not possible during the retention term. Wait for the retention term to expire, and then retry. |
| 30a0007 | DMED0A0007: Processing is not possible because ShadowImage is processing. Wait a moment, and then try again. |
| 30a0008 | DMED0A0008: Processing is not possible because COW Snapshot is processing. Wait a moment, and then try again. |
| 30a0009 | DMED0A0009: The retention term cannot be shortened. Specify the retention term is equal to or more than current value and try again. |
| 30a000a | DMED0A000A: The permission cannot be changed to Read/Write because an expiration lock is enabled. Disable the expiration lock, and then retry. |
| 30a000b | DMED0A000B: The process cannot be performed because the status of ShadowImage pair is not Simplex(SMPL) or Split(PSUS). Please retry after changing the status of pair. |
| 30a000c | DMED0A000C: The process cannot be performed because the status of Remote Replication pair is not Simplex(SMPL) or Split(PSUS). Please retry after changing the status of pair. |
| 30a000d | DMED0A000D: The process cannot be performed because the status of SnapShot pair is not Split(PSUS). Please retry after changing the status of pair. |
| 30a000e | DMED0A000E: The process cannot be performed because the status of Remote Replication pair is not Simplex(SMPL) or Split(PSUS). Please retry after changing the status of pair. |
| 30b0001 | DMED0B0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again. |
| 30c0001 | DMED0C0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again. |
| 30c0002 | DMED0C0002: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again. |
| 30c0003 | DMED0C0003: Unification cannot be performed because the drive types are different. Check the drive types, and then retry. |
| 30c0004 | DMED0C0004: The logical units Unit0 and Unit1, as well as those thereafter, cannot be unified. |
| 30c0005 | DMED0C0005: Processing is not possible because the unified LUs reached the maximum. |
| 30c0006 | DMED0C0006: The unification cannot be performed because the cache partition is different. Confirm the cache partition of the specified logical unit. |

| Error Code | Description |
|---|---|
| 30c0007 | DMED0C0007: Processing cannot be performed because the specified LU is reserved for cache partition modification. Modify the cache partition, and then try again. Otherwise, specify a different LU. |
| 30c0008 | DMED0C0008: The total count of Main LU and Sub LU is over the maximum. Please specify 128 or fewer LUs. |
| 30d0001 | DMED0D0001: Processing cannot be executed because ReadOnly or Protect is specified for the access level. Change the setting to Read/Write, and then try again. |
| 30d0002 | DMED0D0002: Processing is not possible because the temporary key cannot be used for the next 180 days after the key is locked or expires. |
| 30d0003 | DMED0D0003: The specified function has already been unlocked. |
| 30e0001 | DMED0E0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again. |
| 30e0002 | DMED0E0002: The process cannot be performed because the unified LU which belongs to two or more RAID groups exists. Please separate the unified LU and try again. |
| 30e0003 | DMED0E0003: The process cannot be performed because the specified LU is a Sub LU. Specify a Main LU and try again. |
| 30e0004 | DMED0E0004: The process cannot be performed because the LUs number of the specified RAID group reach the maximum. Confirm the RAID group and try again. |
| 30e0005 | DMED0E0005: The process cannot be performed because the specified LU is DM-LU. Specify another LU and try again. |
| 30e0006 | DMED0E0006: The process cannot be performed because the specified LU is V-VOL of COW Snapshot. Specify the P-VOL and try again. |
| 30e0007 | DMED0E0007: The logical unit number for free area has already been used. Please specify unused logical unit number. |
| 30e0008 | DMED0E0008: The logical unit cannot be created. Please delete unnecessary logical units or specify automatically for free area and then try again. |
| 30e0009 | DMED0E0009: The logical unit of RAID0 cannot be created by multiple free areas. Please confirm the specified area and then try again. |
| 30e000a | DMED0E000A: The free area does not exist. Please delete unnecessary logical units and then try again. |
| 30e000b | DMED0E000B: The capacity of specified area is insufficient or the logical unit number to show the position of the free area is invalid. Please confirm the area and try again. |
| 30e000c | DMED0E000C: The capacity of specified area is insufficient. Please confirm the capacity and then try again. |
| 30e000d | DMED0E000D: The logical units are over maximum. Please confirm the specified capacity or area number or delete unnecessary logical units and then try again. |
| 30e000e | DMED0E000E: The logical units of RAID group are over maximum. Please confirm the specified capacity or area number or delete unnecessary logical units and then try again. |
| 30e000f | DMED0E000F: The specified area number is outside of the effective range. Please specify the area number within the range and try again. |
| 30e0010 | DMED0E0010: The specified area does not exist. Please confirm the area number and then try again. |

| Error Code | Description |
|---|---|
| 30e0011 | DMED0E0011: The logical unit number to show the position of the free area is outside of the effective range. Please specify the logical unit number within the range and then try again. |
| 30e0012 | DMED0E0012: The logical unit number to show the position of the free area is outside of the effective range. Please specify the logical unit number within the range and then try again. |
| 30e0013 | DMED0E0013: The logical unit number to show the position of the free area is not defined. Please specify a defined logical unit and then try again. |
| 30e0014 | DMED0E0014: The logical unit number to show the position of the free area is not defined. Please specify a defined logical unit and then try again. |
| 30e0015 | DMED0E0015: The logical unit number to show the position of the free area is not defined in specified RAID group. Please confirm the logical unit of specified RAID group and then try again. |
| 30e0016 | DMED0E0016: The logical unit number to show the position of the free area is not defined in specified RAID group. Please confirm the logical unit of specified RAID group and then try again. |
| 30e0017 | DMED0E0017: The logical unit number to show the position of the free area is invalid. Please confirm the logical unit and then try again. |
| 30e0018 | DMED0E0018: The specified area is overlapped. Please confirm the area and then try again. |
| 30e0019 | DMED0E0019: The unused area is specified. Please confirm the area and then try again. |
| 30e001a | DMED0E001A: The unified LU reached the maximum. Please confirm the capacity or area number and then try again. |
| 30e001b | DMED0E001B: The unified LU reached the maximum. Please confirm the capacity or area number and then try again. |
| 30e001c | DMED0E001C: The RAID group is invalid. Please confirm the RAID group and then try again. |
| 30e001d | DMED0E001D: The process cannot be performed because RAID level of specified logical unit is RAID0. Please specify another logical unit and then try again. |
| 30e001e | DMED0E001E: The capacity of logical unit is over maximum. Please confirm the capacity and then try again. |
| 30e001f | DMED0E001F: The specified capacity is invalid. Please confirm the capacity and then try again. |
| 30e0020 | DMED0E0020: The unified LU reached the maximum. Please confirm the capacity or area number and then try again. |
| 30e0021 | DMED0E0021: The capacity of specified area is insufficient. Please confirm the capacity and then try again. |
| 30e0022 | DMED0E0022: The capacity of specified area is insufficient. Please confirm the capacity and then try again. |
| 30e0023 | DMED0E0023: The quick format size is over maximum value. Please retry after that specified quick format size is decreased or current executed quick format is finished. |
| 30e0024 | DMED0E0024: The logical unit number is not defined. Please specify a defined logical unit and then try again. |
| 30e0025 | DMED0E0025: The capacity of specified area is insufficient. Please confirm the capacity and then try again. |

| Error Code | Description |
|---|---|
| 30e0026 | DMED0E0026: The specified capacity is over the logical unit capacity. Please confirm the capacity and then try again. |
| 30e0027 | DMED0E0027: The process cannot be performed because the specified logical unit is not normal state. Please recover the status and then try again. |
| 30e0028 | DMED0E0028: The process cannot be performed because the specified logical unit contains an un-mounted drive or a blocked drive. Confirm the drive status and try again. |
| 30e0029 | DMED0E0029: The process cannot be performed because the over provisioning threshold of the specified DP pool is equal to or more than the limit. Please add DP pool capacity and then try again. |
| 30e002a | DMED0E002A: The process cannot be performed because the over provisioning threshold of the DP pool that has the specified logical unit is equal to or more than the limit. Please add DP pool capacity and then try again. |
| 30f0001 | DMED0F0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again. |
| 30f0002 | DMED0F0002: The processing cannot be performed because the drives of Unit0, Unit1 and units thereafter are contained within the range of the specified RAID group. |
| 30f0003 | DMED0F0003: The processing cannot be performed because a non-supported drive in this subsystem is contained within the range of the specified RAID group. |
| 30f0004 | DMED0F0004: The specified function cannot be used because the function is locked, disabled or not installed. |
| 30f0005 | DMED0F0005: Processing is not possible because the number of drives is invalid. Confirm the mounted drive, and then try again. |
| 30f0007 | DMED0F0007: The number of defined RAID groups reached the maximum. Delete unnecessary RAID groups, and then try again. |
| 3100001 | DMED100001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again. |
| 3100002 | DMED100002: Processing is not possible because the RAID level of the specified logical unit is not supported. Confirm the RAID levels currently supported, and then retry. |
| 3100003 | DMED100003: Processing is not possible because the specified logical unit is a unified LU. Separate the unified LU, and then retry, or execute online/offline formatting. |
| 3100004 | DMED100004: Processing is not possible because the specified logical unit is extended and not formatted. Execute online/offline formatting. |
| 3100005 | DMED100005: The quick format size is over maximum value. Please retry after that specified quick format size is decreased or current executed quick format is finished. |
| 3100006 | DMED100006: Processing is not possible because the specified logical unit contains an unmounted drive or a blocked drive. Check the drive status, and then retry. |
| 3100007 | DMED100007: Quick format is not possible when the drive blockage mode is ON in the system parameters. To format, set the drive blockage mode to OFF in the system parameters. |
| 3100008 | DMED100008: The process cannot be performed because the specified logical unit is not formatted and set the access level other than S-VOL mode. Please change the attribute to Read/Write and try again. |

| Error Code | Description |
|---|---|
| 3110001 | DMED110001: The mapping mode cannot be changed because a mapping-guarded LU exists. |
| 3110002 | DMED110002: The mapping cannot be changed because a mapping-guarded LU exists. |
| 3120001 | DMED120001: The specified drive cannot be defined as a spare drive because it is not supported in this subsystem. |
| 3130001 | DMED130001: The processing cannot be performed because the specified remote path is not set up. |
| 3130002 | DMED130002: Processing cannot be performed because the specified port is an iSCSI port. Check the port type, and then try again. |
| 3130003 | DMED130003: Processing cannot be performed because the ports for path0 and path1 are set to the same controller. Please set one of the ports to a different controller, and then try again. |
| 3130004 | DMED130004: Processing cannot be executed because the specified timeout value is outside the valid range. Revise the value, and then try again. |
| 3130005 | DMED130005: The process cannot be performed because the specified bandwidth is outside the effective range. Please confirm the bandwidth and try again. |
| 3130006 | DMED130006: The process cannot be performed because the path status is normal. Please confirm the status of path. |
| 3130007 | DMED130007: The process cannot be performed because the path does not exist. Please setting the path and try again. |
| 3130008 | DMED130008: The process cannot be performed because the path reconstruction is in progress. Please confirm the status of path and try again. |
| 3130009 | DMED130009: The process cannot be performed because the path reconstruction is in progress. Please confirm the status of path and try again. |
| 3130010 | DMED130010: The process cannot be performed because the controller is detached. Please recover the controller status and then try again. |
| 3130011 | DMED130011: The process cannot be performed because the path does not exist. Please setting the path and try again. |
| 3130012 | DMED130012: The process cannot be performed because the path does not exist. Please setting the path and try again. |
| 3130013 | DMED130013: The process cannot be performed because the controller is detached. Please recover the controller status and then try again. |
| 3130014 | DMED130014: The process cannot be performed because port are physically unequipped. Please confirm the port type and the subsystem status, and try again. |
| 3130015 | DMED130015: The process cannot be performed because the specified path is already defined. Please confirm the status of path and try again. |
| 3130016 | DMED130016: The process cannot be performed because the Hosts is logging out. Please wait a moment and try again. |
| 3130017 | DMED130017: The same array ID as a self subsystem is specified. Please specify the array ID of connected subsystem. |
| 3130018 | DMED130018: The process cannot be performed because the fibre channel port is not equipped. Please confirm the port type and try again. |
| 3130019 | DMED130019: The process cannot be performed because Remote Replication pair of Synchronizing or Paired exists. Please confirm the status of pair and try again. |
| 313001a | DMED13001A: The process cannot be performed because iSCSI port is physically unequipped. Please confirm the port type and try again. |

| Error Code | Description |
|---|---|
| 313001b | DMED13001B: The process cannot be performed because Distributed Mode is Hub. Please change Distributed Mode to Edge and try again. |
| 313001c | DMED13001C: The process cannot be performed because the remote path or remote port CHAP information (Target information) is defined. Please change Distributed Mode to Hub and try again. |
| 313001d | DMED13001D: The specified array ID is already set. Please specify another array ID. |
| 313001e | DMED13001E: The number of defined remote port CHAP information (Target information) reached the maximum. Please delete unnecessary remote port CHAP information (Target information) and try again. |
| 313001f | DMED13001F: The number of defined remote path reached the maximum. Please delete unnecessary remote path and try again. |
| 3130020 | DMED130020: The specified remote path name is already registered. Please specify another remote path name and then try again. |
| 3130021 | DMED130021: The specified remote array ID cannot be set because Distributed Mode is Hub. Please change Distributed Mode to Edge, or specify array ID of remote subsystem that Distributed mode is Edge and try again. |
| 3130022 | DMED130022: The specified array ID does not exist. Please specify a right array ID. |
| 3130023 | DMED130023: The process cannot be performed because Distributed Mode is not supported. Please confirm the subsystem and try again. |
| 3130024 | DMED130024: The process cannot be performed because the remote path to two or more are defined. Please delete unnecessary remote path and try again. |
| 3130025 | DMED130025: The process cannot be performed because the remote port CHAP information (Target information) to two or more is defined. Please delete unnecessary remote port CHAP information (Target information) and try again. |
| 3130026 | DMED130026: The process cannot be performed because the Remote Replication pair exists to two or more subsystems. Please cancel the Remote Replication pair and try again. |
| 3130027 | DMED130027: The process cannot be performed because the remote path is defined on the subsystem whose Distributed Mode is not supported. Please delete unnecessary remote path and try again. |
| 3130028 | DMED130028: The process cannot be performed because the remote port CHAP information (Target information) is defined on the subsystem whose Distributed Mode is not supported. Please delete unnecessary remote port CHAP information (Target information) and try again. |
| 3130029 | DMED130029: The process cannot be performed because Remote Replication pair exists on the subsystem whose Distributed Mode is not supported. Please cancel unnecessary Remote Replication pair and try again. |
| 313002a | DMED13002A: The process cannot be performed because the remote path is defined. Please delete remote path and try again. |
| 313002b | DMED13002B: The process cannot be performed because the remote port CHAP information (Target information) is defined. Please delete unnecessary remote port CHAP information (Target information) and try again. |
| 313002c | DMED13002C: The process cannot be performed because Distributed Mode is Hub. Please change Distributed Mode to Edge and try again. |
| 3140001 | DMED140001: Processing is not possible because the term of the temporary key or emergency key has expired. |
| 3140002 | DMED140002: Processing is not possible because the DM-LU has already been set. Cancel the DM-LU, and then try again. |

| Error Code | Description |
|---|---|
| 3140003 | DMED140003: The process cannot be performed because the specified operation mode is outside the effective range or two or more operation is specified at the same time. Please confirm the operation mode and try again. |
| 3140004 | DMED140004: The process cannot be performed because DC power supply is physically unequipped. Please confirm the subsystem status and try again. |
| 3140005 | DMED140005: The function cannot be executed for this subsystem. Please confirm the subsystem. |
| 3140006 | DMED140006: The process cannot be performed because cache memory size is insufficient. Please increase a larger cache memory and then try again. |
| 3140007 | DMED140007: The specified value is outside the effective range. Please specify the value in the effective range and try again. |
| 3150001 | DMED150001: Processing is not possible because the cache partition is not in the initial status. Change the cache partition to the initial status, and then try again. |
| 3150004 | DMED150004: Processing is not possible because the cache partition is less than the minimum size. Confirm the cache partition size, and then try again. |
| 3150005 | DMED150005: Processing is not possible because the PIN has overflowed. Restore the PIN data, and then try again. |
| 3150006 | DMED150006: The segment size of the cache partition (0 or 1) cannot be changed. |
| 3150007 | DMED150007: The process cannot be performed because ShadowImage is in use. Cancel the ShadowImage pair and try again. |
| 3150009 | DMED150009: The process cannot be performed because COW Snapshot is in use. Cancel the COW Snapshot pair and try again. |
| 315000b | DMED15000B: Processing cannot be performed because a segment that is write-incomplete exists. Perform a recovery, and then try again. |
| 315000c | DMED15000C: The function cannot be executed because a cache resident LU or a reserved one exists. Disable the LU, and then try again. |
| 315000d | DMED15000D: The specified segment size is invalid. Confirm the segment size, and then try again. |
| 315000e | DMED15000E: Processing is not possible because the LU is being switched. Wait a moment, and then try again. |
| 315000f | DMED15000F: The specified cache partition number is invalid. Confirm the cache partition number, and then try again. |
| 3150010 | DMED150010: The controller of the current cache partition cannot be changed. Delete the cache partition, and set up again. |
| 3150011 | DMED150011: Processing is not possible because the total size of the cache partition exceeds the cache capacity. Confirm the cache partition size, and then try again. |
| 3150012 | DMED150012: A cache partition for which a LU is set up, or a cache partition of 0 or 1 cannot be deleted. Confirm the cache partition number. |
| 3150013 | DMED150013: Processing is not possible because the specified cache partition is not defined. Specify a defined cache partition, and then try again. |
| 3150014 | DMED150014: Processing cannot be performed because the stripe size is not a 64 KB LU. Delete the corresponding LU, and then try again. |
| 3150015 | DMED150015: The process cannot be performed because the specified logical unit is a part of Remote Replication pair. Please cancel the Remote Replication pair and try again. |

| Error Code | Description |
|---|---|
| 3150016 | DMED150016: The process cannot be performed because the total cache partition capacity using the segment size of 4KB or 8KB is over the system limit. Please confirm the cache partition size or the segment size and try again. |
| 3160002 | DMED160002: Processing is not possible because the specified logical unit is a sub LU of the unified LUs. Separate the unified LUs, and then try again. |
| 3160011 | DMED160011: The logical unit cannot be allocated to the specified cache partition. Specify another cache partition number, and then try again. |
| 3160012 | DMED160012: Processing is not possible because the Cache Partition Manager is locked, disabled, or not installed. |
| 3160013 | DMED160013: The process cannot be performed because the specified logical unit is SnapShot logical unit. Please specify another logical unit number and try again. |
| 3160014 | DMED160014: Processing cannot be performed because the specified cache partition is undefined. Check the cache partition, and then try again. |
| 3160015 | DMED160015: Processing cannot be performed because Cache Partition Manager is locked or disabled. Enable Cache Partition Manager, and then try again. |
| 3160016 | DMED160016: Processing cannot be performed because the specified cache partition is undefined. Check the cache partition, and then try again. |
| 3160017 | DMED160017: Processing cannot be performed because the specified cache partition has been set to another controller. Check the cache partition, and then try again. |
| 3160018 | DMED160018: Processing cannot be performed because the combination of stripe size and segment size is not applicable. Check the stripe size or the cache partition, and then try again. |
| 3160019 | DMED160019: Processing cannot be performed because the size of the specified cache partition is insufficient. Check the cache partition, and then try again. |
| 316001e | DMED16001E: Processing cannot be performed because the pair cache partition and the cache partition are set to the same controller. Check the cache partition, and then try again. |
| 316001f | DMED16001F: Processing cannot be performed because the segment sizes are different. Check the segment size of the cache partition, and then try again. |
| 3160020 | DMED160020: Processing cannot be performed because the size of the specified cache partition is insufficient. Check the cache partition, and then try again. |
| 3160021 | DMED160021: Processing cannot be performed because the LU is being switched. Wait a while, and then try again. |
| 3160022 | DMED160022: Processing cannot be performed because PIN data exists. Restore the PIN data, and then try again. |
| 3170001 | DMED170001: Processing is not possible because the specified logical unit is less than 5 GB. Specify a logical unit equal to or more than 5 GB, and then try again. |
| 3170002 | DMED170002: Processing is not possible because the specified logical unit is RAID level 0. Specify another logical unit, and then try again. |
| 3170003 | DMED170003: This process cannot be performed. The status of the specified logical unit must be in either normal or regressed state. Please verify the status of the logical unit and try again. |
| 3170004 | DMED170004: Processing is not possible because the specified logical unit is a unified LU. Separate the unified LU, and then try again. |
| 3170005 | DMED170005: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |

| Error Code | Description |
|---|---|
| 3170006 | DMED170006: Processing is not possible because the specified logical unit is a command device. Cancel the command device, and then try again. |
| 3170007 | DMED170007: The process cannot be performed because the specified LU is capacity less than 10GB. Specify the LU is equal to or more than 10GB and try again. |
| 3170008 | DMED170008: The process cannot be performed because the capacity of DP pool is insufficient. Please wait a moment and then try again. If you cannot set up again, please grow the capacity of DP pool. |
| 3170009 | DMED170009: The process cannot be set to DM-LU because specified logical unit is mapped. Please delete mapping and then try again. |
| 3180001 | DMED180001: The specified LU cannot be set as a cache resident LU because the cache partition is not 0 or 1. Try again after changing the cache partition to 0 or 1, or specify a LU with a cache partition of 0 or 1. |
| 3190001 | DMED190001: An invalid IP address was specified. Specify a correct IP address. |
| 3190002 | DMED190002: The same IP address as that for the management port cannot be set. Specify a correct IP address. |
| 3190003 | DMED190003: Processing cannot be performed because the NNC or array device is processing. Wait a while, and then try again. |
| 3190004 | DMED190004: The same IP address as that for the maintenance port cannot be set. Specify a correct IP address. |
| 3190005 | DMED190005: Processing could not be performed because the controller is blocked. Recover the controller status, and then try again. |
| 3190006 | DMED190006: The process cannot be performed because NNC or subsystem is in progress. Please wait a moment and then try again. |
| 3190007 | DMED190007: Processing cannot be performed because the array device is processing. Wait a while, and then try again. |
| 3190008 | DMED190008: The same IP address as the NNC management port cannot be set. Specify a valid IP address. |
| 3190009 | DMED190009: The maintenance port cannot be changed automatically because the specified network address was the same as the maintenance port while the NNC was connected. Please make sure the specified network address is correct, and then try again. |
| 319000b | DMED19000B: The specified host address of the maintenance port is incorrect. Please specify a correct IP address. |
| 319000c | DMED19000C: Processing cannot be performed because the subnet mask set for the management port is incorrect. Please set up a correct subnet mask, and then try again. |
| 319000d | DMED19000D: Processing cannot be performed because the default gateway set for the management port is incorrect. Please set up the correct default gateway, and then try again. |
| 319000e | DMED19000E: Automatic changing of the DHCP and the maintenance port cannot be specified at the same time. Please make sure the settings are correct, and then try again. |
| 319000f | DMED19000F: The specified host address of the management port is incorrect. Please specify a correct IP address. |
| 3190010 | DMED190010: Processing cannot be performed because the segments for the management LAN and the default gateway are different. Please specify a correct IP address. |

| Error Code | Description |
|---|---|
| 3190011 | DMED190011: The process cannot be performed because the maintenance LAN automatic change mode is enabled. Set this mode to disable, and then retry the operation. |
| 3190012 | DMED190012: The process cannot be performed because subsystem is in progress. Wait a moment and then try again. |
| 3190013 | DMED190013: The specified IP address is incorrect. Specify a correct IP address. |
| 31a0001 | DMED1A0001: Processing cannot be performed because the NNC is not connected. Connect the NNC, and then try again. |
| 31a0002 | DMED1A0002: The specified logical unit is undefined. Specify a defined logical unit. |
| 31a0003 | DMED1A0003: Processing cannot be performed because the specified LU is less than the minimum size required for the system LU. Check the LU size, and then try again. |
| 31a0004 | DMED1A0004: Processing cannot be performed because the specified logical unit is already assigned. Specify a logical unit that is not assigned, and then retry the operation. |
| 31a0005 | DMED1A0005: logical unit is an S-VOL of ShadowImage. Specify another logical unit, and then try again. |
| 31a0006 | DMED1A0006: The process cannot be performed because the specified logical unit is S-VOL of Remote Replication. Please specify another logical unit and try again. |
| 31a0007 | DMED1A0007: The process cannot be performed because the specified logical unit is defined as a SnapShot logical unit. Please specify another logical unit and try again. |
| 31a0008 | DMED1A0008: Processing cannot be performed because the specified logical unit has been added to a data pool. Specify another logical unit, and then try again. |
| 31a0009 | DMED1A0009: Processing cannot be performed because the specified logical unit is the sub LU of an integrated LU. Specify another logical unit, and then try again. |
| 31a000a | DMED1A000A: Processing cannot be performed because the specified logical unit is the mapping guard LU. Specify another logical unit, and then retry the operation. |
| 31a000b | DMED1A000B: Processing cannot be performed because the specified logical unit is a command device. Specify another logical unit, and then try again. |
| 31a000c | DMED1A000C: The specified logical unit has not been set as a command device. Specify a logical unit that has already been set as a command device. |
| 31a000d | DMED1A000D: Processing cannot be performed because the NAS OS is operating. Check the NAS OS status, and then try again. |
| 31a000e | DMED1A000E: Processing cannot be performed because the specified logical unit has been set to DM-LU. Specify another logical unit, and then try again. |
| 31a000f | DMED1A000F: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again. |
| 31a0010 | DMED1A0010: Processing cannot be performed because all ports are being used by NAS. Check the port type. |
| 31a0020 | DMED1A0020: Processing cannot be performed because a system LU still exists. |
| 31a0021 | DMED1A0021: Processing cannot be performed because a user LU exists. |
| 31a0022 | DMED1A0022: Processing cannot be performed because the specified LU is a system LU. Release the system LU, and then try again. |
| 31a0023 | DMED1A0023: Processing cannot be performed because the specified LU is a user LU. Specify a different LU, and then try again. |

| Error Code | Description |
|---|---|
| 31a0024 | DMED1A0024: Processing cannot be performed because the NAS OS is operating. Check the NAS OS status, and then try again. |
| 31a0025 | DMED1A0025: Processing cannot be performed because the NAS OS is operating. Check the NAS OS status, and then try again. |
| 31a0026 | DMED1A0026: The specified port is being used by NAS. Specify another port. |
| 31a0027 | DMED1A0027: Integration cannot be performed because the stripe sizes are different. Check the stripe size of the LU, and then try again. |
| 31a0028 | DMED1A0028: Processing cannot be performed because the specified LU is a snapshot P-VOL or V-VOL. Specify a different LU, and then try again. |
| 31a0029 | DMED1A0029: The process cannot be performed because the access level is set up. Change the attribute to Read/Write. When the mode is set up, please reset the mode using RAID Manager. And try again. |
| 31a002a | DMED1A002A: The process cannot be performed because the specified LU is being used in a ShadowImage pair with more than 2 S-VOLs. Delete all but one S-VOL to make a one-to-one pair, or cancel the pair and then retry the operation. |
| 31a0030 | DMED1A0030: A secondary command device cannot be set for NNCtype1. |
| 31a0031 | DMED1A0031: Work to be stored as dump edit results cannot be set for NNCtype2. |
| 31a0032 | DMED1A0032: A secondary command device cannot be set because a primary command device has not been set. Set the primary command device, and then try again. |
| 31a0033 | DMED1A0033: Command device mapping cannot be released because a secondary command device has been set. Release the secondary command device, and then try again. |
| 31a0034 | DMED1A0034: The processing cannot be performed because the equipped NNC is unknown or because there are multiple NNCs. |
| 31a0070 | DMED1A0070: The backup operation cannot be performed because the NNC is NNCtype2. |
| 31a0071 | DMED1A0071: The backup operation cannot be performed because the NAS OS is not installed. Install the NAS OS, and then try again. |
| 31a0072 | DMED1A0072: The backup, restore, or clear operation cannot be performed because the controller is blocked. Restore the controller status, and then try again. |
| 31a0073 | DMED1A0073: The backup operation cannot be performed because the NNC has not stopped. Stop the NNC, and then try again. |
| 31a0074 | DMED1A0074: The clear operation cannot be performed because the NNC is NNCtype1. |
| 31a0075 | DMED1A0075: The restore operation cannot be performed because the system LU has not been backed up. |
| 31a0076 | DMED1A0076: The restore operation cannot be performed because the NNC has not been stopped or blocked. |
| 31a0077 | DMED1A0077: The clear operation cannot be performed because the system LU has not been backed up. |
| 31b0001 | DMED1B0001: An invalid IP address has been specified. Specify a valid IP address. |
| 31b0002 | DMED1B0002: The IP address cannot be changed to the specified IP address. Specify a valid IP address. |
| 31b0003 | DMED1B0003: Processing cannot be performed because the array device is currently processing. Wait a while, and then try again. |

| Error Code | Description |
|---|---|
| 31b0004 | DMED1B0004: Processing cannot be performed because the controller is blocked. Recover the controller status, and then try again. |
| 31b0005 | DMED1B0005: The specified operation cannot be performed because the DHCP is enabled. Disable the DHCP, and then try again. |
| 31b0006 | DMED1B0006: Processing cannot be performed because the maintenance port is being set. Wait a while, and then try again. |
| 31b0008 | DMED1B0008: The process cannot be performed because the DHCP is enabled. Disable the DHCP, and then retry the operation. |
| 31b0009 | DMED1B0009: The process cannot be performed because NNC is installed. Confirm the port type, and then retry the operation. |
| 31b000a | DMED1B000A: The process cannot be performed because the same address is specified as the maintenance LAN and the management LAN. Specify separate addresses, and then retry the operation. |
| 31c0001 | DMED1C0001: Processing cannot be performed because the iSCSI port is not physically installed. Check the port type, and then try again. |
| 31c0002 | DMED1C0002: Processing cannot be performed because the authentication method has not been specified. Specify the authentication method, and then try again. |
| 31c0003 | DMED1C0003: Processing cannot be performed because the alias format is invalid. Check the alias, and then try again. |
| 31c0004 | DMED1C0004: Processing cannot be performed because the same alias already exists in the port. Check the alias, and then try again. |
| 31c0005 | DMED1C0005: Processing cannot be performed because the format for the iSCSI name is invalid. Check the iSCSI name, and then try again. |
| 31c0006 | DMED1C0006: Processing cannot be performed because the same iSCSI name already exists in the port. Check the iSCSI name, and then try again. |
| 31c0007 | DMED1C0007: Processing cannot be performed because the specified target is undefined. Check the target, and then try again. |
| 31c0008 | DMED1C0008: Processing cannot be performed because the format for the name is invalid. Check the name, and then try again. |
| 31c0009 | DMED1C0009: Processing cannot be performed because the same name already exists in the port. Check the name, and then try again. |
| 31c000a | DMED1C000A: Processing cannot be performed because the format for the iSCSI name is invalid. Check the iSCSI name, and then try again. |
| 31c000b | DMED1C000B: Processing cannot be performed because the same iSCSI name already exists in the port. Check the iSCSI name, and then try again. |
| 31c000c | DMED1C000C: Processing cannot be performed because the valid period for the temporary key or emergency key has expired. |
| 31c000d | DMED1C000D: Processing cannot be performed because an invalid character has been specified. Check the user name, and then try again. |
| 31c000e | DMED1C000E: Processing cannot be performed because an invalid character has been specified. Check the secret, and then try again. |
| 31c000f | DMED1C000F: Processing cannot be performed because the number of characters specified for the user name is outside the valid range. Check the user name, and then try again. |
| 31c0010 | DMED1C0010: Processing cannot be performed because the number of characters specified for the secret is outside the valid range. Specify the secret using 12 to 32 characters, and then try again. |

| Error Code | Description |
|---|---|
| 31c0011 | DMED1C0011: Processing cannot be performed because an invalid IP address has been specified. Specify a valid IP address. |
| 31c0012 | DMED1C0012: Processing cannot be performed because an invalid port number has been specified. Specify a valid port number. |
| 31c0013 | DMED1C0013: Processing cannot be performed because the KeepAliveTimer value is outside the valid range. Specify a value from 30 to 64800 for the KeepAliveTimer value, and then try again. |
| 31c0014 | DMED1C0014: Processing cannot be performed because the port number is invalid. Specify a valid port number. |
| 31c0015 | DMED1C0015: Processing cannot be performed because the array device is currently processing. Wait a while, and then try again. |
| 31c0017 | DMED1C0017: Processing cannot be performed because the number of characters specified for the iSCSI name is outside the valid range. Check the iSCSI name, and then try again. |
| 31c0018 | DMED1C0018: Processing cannot be performed because an invalid character has been specified. Check the iSCSI name, and then try again. |
| 31c0019 | DMED1C0019: Processing cannot be performed because the number of characters specified for the iSCSI name is outside the valid range. Check the iSCSI name, and then try again. |
| 31c001a | DMED1C001A: The process cannot be performed because the invalid character is specified. Confirm iSCSI Name and try again. |
| 31c001b | DMED1C001B: Processing cannot be performed because the controller is blocked. Recover the controller status, and then try again. |
| 31c001c | DMED1C001C: Processing cannot be performed because an invalid IP address has been specified. Specify a valid IP address. |
| 31c001d | DMED1C001D: Processing cannot be performed because a ping command is currently executing. Wait for it to finish, and then try again. |
| 31c001e | DMED1C001E: Processing cannot be performed because the an invalid CHAP algorithm has been specified. Specify a valid CHAP algorithm, and then try again. |
| 31c001f | DMED1C001F: Processing cannot be performed because the number of characters specified for the secret is outside the valid range. Specify the secret using 12 to 32 characters, and then try again. |
| 31c0020 | DMED1C0020: Processing cannot be performed because an invalid character has been specified. Check the secret, and then try again. |
| 31c0021 | DMED1C0021: Processing cannot be performed because an invalid character has been specified. Check the user name, and then try again. |
| 31c0022 | DMED1C0022: Processing cannot be performed because the same user name already exists in the port. Check the user name, and then try again. |
| 31c0023 | DMED1C0023: Processing cannot be performed because the LUN manager is locked or disabled. Enable the LUN manager, and then try again. |
| 31c0024 | DMED1C0024: Processing cannot be performed because the target security is disabled. Enable the target security, and then try again. |
| 31c0025 | DMED1C0025: Processing cannot be performed because the number of characters specified for the alias is outside the valid range. Check the alias, and then try again. |
| 31c0026 | DMED1C0026: Processing cannot be performed because an invalid character has been specified. Check the alias, and then try again. |

| Error Code | Description |
|---|---|
| 31c0027 | DMED1C0027: Processing cannot be performed because the number of characters specified for the name is outside the valid range. Check the name, and then try again. |
| 31c0028 | DMED1C0028: Processing cannot be performed because an invalid character has been specified. Check the name, and then try again. |
| 31c0029 | DMED1C0029: Processing cannot be performed because the same user name already exists in the port. Check the user name, and then try again. |
| 31c002a | DMED1C002A: Processing cannot be performed because the specified target is undefined. Check the target, and then try again. |
| 31c002b | DMED1C002B: Processing cannot be performed because the target security is disabled. Enable the target security, and then try again. |
| 31c003a | DMED1C003A: Processing cannot be performed because the target security is disabled. Enable the target security, and then try again. |
| 31c003b | DMED1C003B: Processing cannot be performed because the specified alias is the default name for Target0. Check the alias, and then try again. |
| 31c003c | DMED1C003C: Processing cannot be performed because the specified iSCSI name is the default name for Target 0. Check the iSCSI name, and then try again. |
| 31c003d | DMED1C003D: Processing cannot be performed because the same alias already exists in the port. Check the alias, and then try again. |
| 31c003e | DMED1C003E: Processing cannot be performed because the same iSCSI name already exists in the port. Check the iSCSI name, and then try again. |
| 31c003f | DMED1C003F: Processing cannot be performed because the same user name already exists in the port. Check the user name, and then try again. |
| 31c0040 | DMED1C0040: The process cannot be performed because the specified host group or target is outside the valid range. Confirm the host group or target, and then retry the operation. |
| 31c0041 | DMED1C0041: The information cannot be acquired because the iSCSI port is not connected. Connect the port, and then try again. |
| 31d0001 | DMED1D0001: Processing cannot be performed during the SNMP is being changed. Wait a while, and then try again. |
| 31e0001 | DMED1E0001: Processing cannot be performed because the specified cycle time is outside the valid range. Please specify a time from 30 to 3600, and then try again. |
| 31e0002 | DMED1E0002: The setting cannot be performed because the specified cycle time is less than the minimum value. Please make sure the cycle time is correct, and then try again. |
| 31e0003 | DMED1E0003: The process cannot be performed because the specified Queuing Inhibition Time is outside the effective range. Please confirm the Queuing Inhibition Time and try again. |
| 31e0010 | DMED1E0010: The process cannot be performed because the Remote Replication pair exists. Please cancel the Remote Replication pair and try again. |
| 31e0011 | DMED1E0011: The process cannot be performed during the Remote Replication pair deleting. Please wait a moment and then try again. |
| 31e0012 | DMED1E0012: The process cannot be performed because the specified logical unit is a part of Remote Replication pair. Please specify another logical unit and try again. |
| 31e0013 | DMED1E0013: The process cannot be performed because the de-allocation of cache blocks for a COW Snapshot is in progress. Wait a while, and then retry the operation. |

| Error Code | Description |
|---|---|
| 31e0014 | DMED1E0014: The process cannot be performed because the subsystem is not restarted after Remote Replication is installed. Please restart the subsystem and then try again. |
| 31e0015 | DMED1E0015: The process cannot be performed because the subsystem is not restarted after Remote Replication or SnapShot is installed. Please restart the subsystem and then try again. |
| 31e0016 | DMED1E0016: The process cannot be performed because the subsystem is not restarted after Remote Replication or SnapShot is de-installed. Please restart the subsystem and then try again. |
| 31e0017 | DMED1E0017: The process cannot be performed because the status of Remote Replication pair is improper. Please confirm the status of pair and try again. |
| 31f0001 | DMED1F0001: The Spare Drive Operation Mode is fixed and the Applying No Copy Back Mode on All the Units is enabled. This combination is not possible to specify. Please confirm the operation and try again. |
| 31f0010 | DMED1F0010: Processing failed due to an invalid parameter. Check and, if necessary, revise the specified value. |
| 31f0011 | DMED1F0011: Processing cannot be performed because the specified IP address is invalid. Check and, if necessary, revise the IP address, and then try again. |
| 31f0012 | DMED1F0012: Processing cannot be performed because the same IP address is specified for Syslog Server 1 and Syslog Server 2. Check and, if necessary, revise the IP addresses, and then try again. |
| 31f0013 | DMED1F0013: Processing failed due to an invalid parameter. Check and, if necessary, revise the specified value. |
| 31f0014 | DMED1F0014: Processing cannot be performed because the internal log is disabled. Enable the internal log, and then try again. |
| 31f0015 | DMED1F0015: Processing cannot be performed because the internal log is being exported. Wait a while, and then try again. |
| 31f0017 | DMED1F0017: Processing cannot be performed because exporting of the log failed. Wait a while, and then try again. |
| 31f0018 | DMED1F0018: Processing failed due to an invalid parameter. Check and, if necessary, revise the specified value. |
| 31f0019 | DMED1F0019: Processing cannot be performed because the internal log is being used. Check and, if necessary, revise the internal log status, and then try again. |
| 31f001a | DMED1F001A: The process cannot be performed because the same IP address is specified to Syslog Server 1 and Syslog Server 2. Please confirm the IP address and try again. |
| 31f001b | DMED1F001B: The process cannot be performed because the IPv6 address is specified to Syslog Server. Please confirm the version of the navigator. |
| 31f0020 | DMED1F0020: The number of characters in the user ID does not reach the minimum. Please revise the user ID. |
| 31f0021 | DMED1F0021: An invalid character is specified in the user ID. Check and, if necessary, revise the user ID. |
| 31f0022 | DMED1F0022: The current login session has timed out. Please log in again. |
| 31f0023 | DMED1F0023: You do not have a necessary permission. Contact the Account Administrator, and make sure you have all necessary permissions. |
| 31f0024 | DMED1F0024: The specified user ID has already been registered. Please specify another user ID. |

| Error Code | Description |
|---|---|
| 31f0025 | DMED1F0025: The specified user ID is not registered. Check and, if necessary, revise the user ID. |
| 31f0026 | DMED1F0026: A role is not assigned. Please assign one or more roles. |
| 31f0027 | DMED1F0027: The process cannot be performed for logged in user. |
| 31f0028 | DMED1F0028: The process cannot be performed for built-in account. |
| 31f0029 | DMED1F0029: You do not have modification permission. Contact the Account Administrator, and check your permission. |
| 31f002a | DMED1F002A: The number of concurrently logged-in users has reached the maximum. Wait a while, and then log in. |
| 31f002b | DMED1F002B: The specified password is incorrect. Please specify the password again. |
| 31f002c | DMED1F002C: You cannot login because your account is disabled. Contact the account administrator, and confirm your account status. |
| 31f002d | DMED1F002D: The specified password is incorrect. Check and, if necessary, revise the password. |
| 31f002e | DMED1F002E: The number of account registrations has reached the maximum. Delete unnecessary accounts, and then register the account. |
| 31f002f | DMED1F002F: The length of the specified password is below the minimum. Revise the password. |
| 31f0030 | DMED1F0030: Password protection and Account Authentication cannot be used together. |
| 31f0031 | DMED1F0031: The Account Authentication function cannot be unlocked or enabled because NNC is installed. Change the subsystem into a Fibre or iSCSI configuration, and then try again. |
| 31f0032 | DMED1F0032: The process cannot be performed because the specified session timeout value is outside the effective range. Confirm the session timeout value. |
| 31f0033 | DMED1F0033: The process cannot be performed because TrueCopy Modular Distributed is installed. Please de-install the option and try again. |
| 31f0034 | DMED1F0034: The specified function can not be installed because the function does not meet a requirement. Please retry after installing or enabling the TrueCopy function. |
| 31f0040 | DMED1F0040: The processing cannot be performed because the temporary or emergency key has expired. |
| 31f0041 | DMED1F0041: The processing cannot be performed because there is a ShadowImage pair in the specified RAID group. |
| 31f0042 | DMED1F0042: The process cannot be performed because the Remote Replication pair is contained. |
| 31f0043 | DMED1F0043: The process cannot be performed because the Remote Replication pair is contained. |
| 31f0044 | DMED1F0044: The processing cannot be performed because there is a COW Snapshot pair or a V-VOL in the specified RAID group. |
| 31f0045 | DMED1F0045: The processing cannot be performed because there is a Volume Migration pair in the specified RAID group. |
| 31f0048 | DMED1F0048: The process cannot be performed because formatting is now occurring. Please try again, after it is completed. |

| Error Code | Description |
|---|---|
| 31f0049 | DMED1F0049: The process cannot be performed because parity correction is not completed. Please try again, after it is completed. |
| 31f004a | DMED1F004A: The processing cannot be performed because there is a data pool in the specified RAID group. Delete the data pool, and then try again. |
| 31f004b | DMED1F004B: The processing cannot be performed because there is a DM-LU in the specified RAID group. Cancel the DM-LU, and then try again. |
| 31f004c | DMED1F004C: The processing cannot be performed because there is a command device in the specified RAID group. Cancel the command device, and then try again. |
| 31f004d | DMED1F004D: The processing cannot be performed because there is a system LU in the specified RAID group. Cancel the system LU, and then try again. |
| 31f004e | DMED1F004E: The process cannot be performed because the LU change is in progress. Please try again, after it is completed. |
| 31f0051 | DMED1F0051: The processing cannot be performed because there is a system drive in the specified RAID group. |
| 31f0052 | DMED1F0052: The processing cannot be performed because there is an LU in the specified RAID group for which write processing has not completed. Wait until the processing has completed, and then try again. |
| 31f0053 | DMED1F0053: The process cannot be performed because the RAID groups in state of Command Monitoring are existing. Spin up the RAID groups and try again. |
| 31f0054 | DMED1F0054: The processing cannot be performed because RAID groups are in low-power mode. Spin up the RAID groups, and then try again. |
| 31f0055 | DMED1F0055: The processing cannot be performed because RAID groups are in low-power mode. Spin up the RAID groups, and then try again. |
| 31f0056 | DMED1F0056: The processing cannot be performed because RAID groups are in low-power mode. Wait for a while, and then try again. |
| 31f0057 | DMED1F0057: The specified RAID group is not defined. Specify a defined RAID group. |
| 31f0058 | DMED1F0058: The processing cannot be performed because processing to restore the RAID groups is executing. Spin up the RAID groups, and then try again. |
| 31f0059 | DMED1F0059: The processing cannot be performed because the health of the RAID groups is being checked. Spin up the RAID groups, and then try again. |
| 31f005a | DMED1F005A: The processing cannot be performed because there is a user LU in the specified RAID group. Remove the user LU, and then try again. |
| 31f005b | DMED1F005B: The processing cannot be performed because there is an SES drive in the specified RAID group. |
| 31f005c | DMED1F005C: The process cannot be performed because state of Power Saving is in progress. Please retry after progress is completed. |
| 31f0080 | DMED1F0080: The process cannot be performed because the external authentication server 1 is not defined. Please confirm the external authentication server 1 and try again. |
| 31f0081 | DMED1F0081: The process cannot be performed because the external authentication server 2 is not defined and the IP address of the external authentication server 1 is disabled. Please confirm the external authentication server 1 and try again. |
| 31f0082 | DMED1F0082: The process cannot be performed because the external authentication server 1 is not defined and The user whose user authentication is RADIUS exists. Please change the user authentication to Internal and try again. |

| Error Code | Description |
|---|---|
| 31f0083 | DMED1F0083: The specified IP address is incorrect. Please specify a correct IP address. |
| 31f0084 | DMED1F0084: The authentication classification cannot be RADIUS because the user authentication server 1 is not defined. Please setting the external authentication server 1 as RADIUS and try again. |
| 31f0085 | DMED1F0085: The process cannot be performed because the authentication test with the external authentication server 1 failed. Please confirm the external authentication server 1 setting and the LAN environment, and try again. |
| 31f0086 | DMED1F0086: The process cannot be performed because the character length of password is outside the effective range. Please confirm password and try again. |
| 31f0087 | DMED1F0087: The process cannot be performed because the authentication test with the external authentication server 1 failed. Please confirm the user ID and password, and try again. |
| 31f0088 | DMED1F0088: The process cannot be performed because the authentication test with the external authentication server 2 failed. Please confirm the external authentication server 2 setting and the LAN environment, and try again. |
| 31f0089 | DMED1F0089: The password cannot be changed because the user authentication is RADIUS. Please change the password of RADIUS server. |
| 31f008a | DMED1F008A: Cannot login because the user authentication with an external authentication server was time-out. Please confirm the external authentication server setting and the LAN environment, and try again. |
| 31f008b | DMED1F008B: Cannot login because the user authentication with an external authentication server was time-out. Or the process cannot be performed because the authentication test failed. Please confirm the external authentication server setting and the LAN environment, and try again. |
| 31f008c | DMED1F008C: Cannot login because the user authentication with an external authentication server was failed. Please confirm the user ID and password, and try again. |
| 31f008d | DMED1F008D: The process cannot be performed because the authentication test with the external authentication server 2 failed. Please confirm the user ID and password, and try again. |
| 31f008e | DMED1F008E: The process cannot be performed because the character length of user ID is outside the effective range. Please confirm user ID and try again. |
| 31f008f | DMED1F008F: The process cannot be performed because the password is not set. Please specify the password, and try again. |
| 31f00a0 | DMED1F00A0: The process cannot be performed because the user is not Built-in account. Please login by Built-in account and try again. |
| 3200001 | DMED200001: Processing is not possible because cache memory size is 1GB or less. Increase the cache memory, and then retry. |
| 3200002 | DMED200002: This function is unsupported in a single-controller configuration. Use the function in a dual-controller configuration. |
| 3200003 | DMED200003: COW Snapshot cannot be unlocked because Cache Partition Manager is enabled. Unlock or disable Cache Partition Manager, and then try again. |
| 3200004 | DMED200004: Cache Partition Manager cannot be unlocked because the subsystem was not restarted after COW Snapshot was unlocked. Restart the subsystem, and then try again. |
| 3200005 | DMED200005: The unlocking or enabling cannot be executed because the cache memory size is too low. Increase the size to above 512MB, and then try again. |

| Error Code | Description |
|---|---|
| 3200006 | DMED200006: The option cannot be installed or enabled because cache memory size is 2GB or less. Please increase the cache memory and then try again. |
| 3200011 | DMED200011: Processing cannot be executed because the specified LU is not a reserved LU. Specify a reserved LU, and then try again. |
| 3200012 | DMED200012: Processing cannot be executed because the specified LU is a reserved LU. Delete the reserved LU or specify another LU, and then try again. |
| 3200013 | DMED200013: Processing cannot be performed because the specified P-VOL and S-VOL have different capacities. Specify LUs with the same capacity, and then try again. |
| 3200014 | DMED200014: Processing cannot be performed because the specified P-VOL and S-VOL have different owner controllers. Specify LUs with the same owner controller, and then try again. |
| 3200015 | DMED200015: Processing cannot be performed the specified P-VOL and S-VOL have the same LU number. Specify different LU numbers. |
| 3200016 | DMED200016: The process cannot be performed because the pair reached the maximum. Cancel or split the unnecessary Volume Migration pair, or split the unnecessary ShadowImage pair. And try again. |
| 3200017 | DMED200017: Processing cannot be performed because the specified P-VOL and S-VOL belong to the same RAID group. Specify LUs that belong to different RAID groups. |
| 3200018 | DMED200018: The specified pair cannot be cancelled because the pair status is not "wait" or "copy". |
| 3200019 | DMED200019: The specified pair cannot be split because the pair status is not "completed" or "error". |
| 320001a | DMED20001A: Processing cannot be performed because the specified P-VOL and S-VOL are not part of the same pair. Specify a P-VOL and S-VOL that are a pair, and then try again. |
| 320001b | DMED20001B: The reserved LU cannot be set because the maximum number of reserved LUs has been reached. Delete any unnecessary reserved LUs, and then try again. |
| 320001c | DMED20001C: The specified LU is the S-VOL for a volume migration pair. Specify another LU, and then try again. |
| 320001d | DMED20001D: The specified LU is not a reserved LU. Specify a reserved LU, and then try again. |
| 320001e | DMED20001E: Processing cannot be executed because the P-VOL or S-VOL of the volume migration pair is included. Cancel the pair, and then try again. |
| 320001f | DMED20001F: Processing cannot be executed because the reserved LU is included. Cancel the reserved LU, and then try again. |
| 3200020 | DMED200020: The process cannot be performed because the P-VOL or S-VOL of the Volume Migration pair or the reserve LU is contained. Split the Volume Migration pair or delete the reserve LU and try again. |
| 3200021 | DMED200021: Processing cannot be performed because the owner ID is invalid. Cancel the pair by using the application that created the pair. |
| 3200022 | DMED200022: Processing cannot be performed because the owner ID is invalid. Split the pair by using the application that created the pair. |
| 3200023 | DMED200023: The specified owner ID is not supported. |
| 3200024 | DMED200024: A reserved LU already exists. Delete it, and then try again. |

| Error Code | Description |
|---|---|
| 3200025 | DMED200025: A volume migration pair already exists. Stop or cancel the pair, and then try again. |
| 3200026 | DMED200026: Processing cannot be performed because the specified LU is reserved for cache partition modification. Restart the subsystem and then try again. |
| 3200027 | DMED200027: Processing cannot be performed because the management area is insufficient. Delete any unnecessary pairs, and then try again. |
| 3200028 | DMED200028: The specified LU is not the volume migration pair. Specify another LU, and then try again. |
| 3200029 | DMED200029: The specified LU is the volume migration pair, and it is currently being copied. Wait until the copying has finished, and then try again. |
| 320002a | DMED20002A: The copy speed of the specified pair cannot be changed because the pair is not currently waiting or being copied. |
| 320002b | DMED20002B: The specified owner ID is not supported. |
| 320002c | DMED20002C: The process cannot be performed because the specified LU is not the P-VOL or S-VOL of the Volume Migration pair. Specify the P-VOL or S-VOL of the Volume Migration pair and try again. |
| 320002d | DMED20002D: The specified P-VOL and S-VOL belong to same DP pool. Please specify a different DP pool and then try again. |
| 320002e | DMED20002E: The capacity of DP pool to which the specified S-VOL belongs is insufficient. Please add DP pool capacity and then try again. |
| 3200030 | DMED200030: The number of iSCSI connecting hosts exceeds the maximum value that can be unlocked or enabled fee-basis option. Please delete unnecessary hosts and try again. |
| 3210001 | DMED210001: The process cannot be performed because the mapping information is overlapped within the same host group. Confirm the mapping information. |
| 3210010 | DMED210010: The process cannot be performed because subsystem is in progress. Wait a moment and then try again. |
| 3210011 | DMED210011: The process cannot be performed because E-mail Error Report is enabled. Please set E-mail Error Report to disable and try again. |
| 3220001 | DMED220001: The process cannot be performed because the specified battery count is outside the effective range. Please confirm the battery count. |
| 3220002 | DMED220002: The battery count cannot be increased. Please specify the count equal to or less than the current battery count. |
| 3220003 | DMED220003: The process cannot be performed in the single-controller system. Please confirm the system configuration. |
| 3220004 | DMED220004: The new unit cannot be added because the number of units reached the maximum. Please confirm the system configuration. |
| 3220005 | DMED220005: The process cannot be performed because the controller or ENC is detached. Please recover the status and then try again. |
| 3220006 | DMED220006: The process cannot be performed because the ENC firmware is being replaced. Please retry after the replacement completes. |
| 3220007 | DMED220007: The process cannot be performed because the subsystem is under diagnosis process. Please retry after a while. |
| 3220008 | DMED220008: The process cannot be performed because the unit is being added. Please retry after the addition of unit completes. |
| 3220009 | DMED220009: The specified battery count cannot be set. Please specify a right battery count. |

| Error Code | Description |
|---|---|
| 3230001 | DMED230001: The process cannot be performed because the migration guard is set up. Please clear the migration guard and try again. |
| 3230002 | DMED230002: The process cannot be performed because the Migration Status is Checking. Please confirm the Migration Status and try again. |
| 3230003 | DMED230003: The process cannot be performed because the Migration Status is Preparing to Create Copy. Please confirm the Migration Status and try again. |
| 3230004 | DMED230004: The process cannot be performed because the Migration Status is Creating Copy. Please confirm the Migration Status and try again. |
| 3230005 | DMED230005: The process cannot be performed because the Migration Status is Auto Migration Failed. Please confirm the Migration Status and try again. |
| 3230006 | DMED230006: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again. |
| 3230007 | DMED230007: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again. |
| 3230008 | DMED230008: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again. |
| 3230009 | DMED230009: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again. |
| 3230010 | DMED230010: The process cannot be performed because the Migration Status is Copy Created. Please confirm the Migration Status and try again. |
| 3230011 | DMED230011: The process cannot be performed because the Migration Status is Switching Array. Please confirm the Migration Status and try again. |
| 3230012 | DMED230012: The process cannot be performed because the Migration Status is Auto Migration Completed. Please confirm the Migration Status and try again. |
| 3230013 | DMED230013: The process cannot be performed because the Migration Status is Switching Array Failed. Please confirm the Migration Status and try again. |
| 3230014 | DMED230014: The process cannot be performed because the Migration Status is In Progress. Please confirm the Migration Status and try again. |
| 3230015 | DMED230015: The process cannot be performed because the Migration Status is Completed. Please confirm the Migration Status and try again. |
| 3230016 | DMED230016: The process cannot be performed because the Migration Status is Failed. Please confirm the Migration Status and try again. |
| 3230017 | DMED230017: The process cannot be performed because the Migration Status is Not Started. Please confirm the Migration Status and try again. |
| 3230018 | DMED230018: The process cannot be performed because the Migration Status is Creating Copy Failed to Start. Please confirm the Migration Status and try again. |
| 3230019 | DMED230019: The process cannot be performed because the ENC firmware is being replaced. Please retry after replacement completes. |
| 3230020 | DMED230020: The process cannot be performed because the Migration Status is Preparing. Please confirm the Migration Status and try again. |
| 3230021 | DMED230021: The process cannot be performed because ShadowImage pair of Split Pending exists. Please try again when the pair status is not Split Pending. |
| 3231000 | DMED231000: The process cannot be performed because the subsystem is executing the Auto Migration. Please confirm the Migration Status and try again. |
| 3231001 | DMED231001: The process cannot be performed because the subsystem is executing the Auto Migration or the addition of unit. Please confirm the Migration Status while executing Auto Migration and try again. |

| Error Code | Description |
|---|---|
| 3231002 | DMED231002: The specified array ID is incorrect. Please specify a right array ID. |
| 3231003 | DMED231003: The process cannot be performed because formatting is now occurring. Please retry after formatting completes. |
| 3231004 | DMED231004: The process cannot be performed because the specified interface board type is not equipped. Please confirm the interface board type. |
| 3231005 | DMED231005: The process cannot be performed because the PIN exceeded state. Please restore PIN data and try again. |
| 3231006 | DMED231006: The process cannot be performed because the write uncompleted LU exists. Please recover and then try again. |
| 3231007 | DMED231007: The process cannot be performed because the DM-LU is not defined. Please define DM-LU and try again. |
| 3231008 | DMED231008: The process cannot be performed because the Auto Migration is executing or is failed. Please confirm the Migration Status and try again. |
| 3240001 | DMED240001: The certificate and the secret key cannot be checked. Please restart the subsystem and then try again. |
| 3240002 | DMED240002: The process cannot be performed because the certificate is invalid. Please confirm the certificate and try again. |
| 3240003 | DMED240003: The process cannot be performed because the secret key is invalid. Please confirm the certificate and try again. |
| 3241001 | DMED241001: The process cannot be performed because the RAID group expansion is now occurring. Please retry after expansion is completed. And, the specified operation may not be performed even if the RAID group expansion is completed. When the RAID group expansion is completed, please retry after waiting 2 minutes or more. |
| 3241002 | DMED241002: The 'cancel' operation cannot be performed because the RAID group does not execute the expansion. Please confirm the RAID group and then try again. |
| 3241003 | DMED241003: The 'cancel' operation cannot be performed because the RAID group is executing expansion or has been executed the expansion and waiting. Please confirm the RAID group status and try again. |
| 3241004 | DMED241004: The 'forcibly cancel' operation cannot be performed because the RAID group does not execute the expansion and waiting. Please specify a 'cancel' operation. |
| 3241005 | DMED241005: The process cannot be performed because RAID group is RAID0. Please confirm RAID level and then try again. |
| 3241006 | DMED241006: The process cannot be performed because the number of parity groups is not 1. Please confirm the RAID group and try again. |
| 3241007 | DMED241007: The process cannot be performed because the specified drives contain an un-mounted drive or a blocked drive. Please confirm the drive status and try again. |
| 3241008 | DMED241008: The specified drive is already defined as a spare drive, or is already being used in the RAID group. Please confirm the drive status and try again. |
| 3241009 | DMED241009: The process cannot be performed because the number of drive is incorrect. Please specify it by an even number, when RAID level is RAID1 or RAID1+0. |
| 324100a | DMED24100A: The process cannot be performed because the number of drive is incorrect. Please specify the number of drives within the range of the combination at the RAID level. |

| Error Code | Description |
|---|---|
| 324100b | DMED24100B: The process cannot be performed because the drive type of the RAID group is different. Please confirm the drive type and try again. |
| 324100c | DMED24100C: The process cannot be performed because the capacity of specified drive is less than the minimum capacity of the RAID group drives. Please confirm the drive capacity and try again. |
| 324100d | DMED24100D: The process cannot be performed because ShadowImage pair or Remote Replication pair is not Simplex or Split, or SnapShot pair is not Simplex or Paired. Please retry after copy is completed. |
| 324100e | DMED24100E: The process cannot be performed because SnapShot pair is not Paired or Remote Replication pair is not Split. Please retry after copy is completed. |
| 324100f | DMED24100F: The process cannot be performed because some logical unit are under quick formatting. Please retry after quick formatting is completed. |
| 3241010 | DMED241010: The process cannot be performed because some logical unit is under parity correction. Please retry after parity correction is completed. |
| 3241011 | DMED241011: The process cannot be performed because the write uncompleted LU is contained. Please recover and then try again. |
| 3241012 | DMED241012: The process cannot be performed because the Volume Migration pair is contained. Please split the pair and try again. |
| 3241013 | DMED241013: The process cannot be performed because the reserve LU of the Volume Migration is contained. Please delete the reserve LU and try again. |
| 3241014 | DMED241014: The process cannot be performed because the Cache Residency LU or a reserved one exists. Please delete the Cache Residency LU and then try again. |
| 3241015 | DMED241015: The process cannot be performed because the state of Power Saving in RAID group is existing. Please spin up the RAID group and try again. |
| 3241016 | DMED241016: The process cannot be performed because the LU change is in progress. Please wait for a while and then try again. |
| 3241017 | DMED241017: The process cannot be performed because the size of LU is over 120TB or the unified LU exists. Please shrink the LU capacity and try again. |
| 3241018 | DMED241018: The process cannot be performed because the specified RAID group is a LU grow. Please confirm the specified LU status. |
| 3241019 | DMED241019: The process cannot be performed because the subsystem is not restarted, when Cache Partition Manager and SnapShot or Remote Replication is enabled. Or the process cannot be performed because cache partition modification is reserved. Please restart the subsystem and try again. |
| 324101a | DMED24101A: The process cannot be performed because ShadowImage pair of Split Pending exists. Please try again after status is changed to Split. |
| 324101b | DMED24101B: The process cannot be performed because the logical unit in regressed state is contained. Please change the state to normal and try again. |
| 3241050 | DMED241050: The process cannot be performed because the RAID group expansion is now occurring. Please retry after expansion is completed. |
| 3241051 | DMED241051: The process cannot be performed because the LU changing occurred by the RAID group expansion. Please retry after expansion is completed. |
| 3250001 | DMED250001: The specified IP address is incorrect. Please specify a correct IP address. |
| 3250002 | DMED250002: The specified default gateway address is incorrect. Please specify a right default gateway address. |

| Error Code | Description |
|---|---|
| 3250003 | DMED250003: The process cannot be performed because the segment is different between the management LAN and default gateway. Please specify a correct IP address. |
| 3250004 | DMED250004: The process cannot be performed because the specified management LAN is same address as the linklocal management LAN. Please specify the different address and try again. |
| 3250005 | DMED250005: The process cannot be performed because the specified management LAN is same address as the linklocal maintenance LAN. Please specify the different address and try again. |
| 3250006 | DMED250006: The process cannot be performed because the specified management LAN is same address as the maintenance LAN. Please specify the different address and try again. |
| 3250007 | DMED250007: The process cannot be performed because the specified maintenance LAN is same address as the management LAN. Please specify the different address and try again. |
| 3250008 | DMED250008: The process cannot be performed because the specified maintenance LAN is same address as the linklocal management LAN. Please specify the different address and try again. |
| 3250009 | DMED250009: The process cannot be performed because the specified maintenance LAN is same address as the linklocal maintenance LAN. Please specify the different address and try again. |
| 325000a | DMED25000A: The process cannot be performed because subsystem is in progress. Please wait a moment and then try again. |
| 325000b | DMED25000B: The process cannot be performed because subsystem is in progress. Please wait a moment and then try again. |
| 325000c | DMED25000C: The specified IP address is incorrect. Please specify a correct IP address. |
| 325000d | DMED25000D: The specified IP address is incorrect. Please specify a correct IP address. |
| 325000e | DMED25000E: The protocol version (IPv4/IPv6) is different between IP address of subsystem and the specified IP address of mail server. Please confirm the protocol version of the subsystem and try again. |
| 325000f | DMED25000F: The protocol version (IPv4/IPv6) is different between IP address of subsystem and the set IP address of mail server. Please confirm the protocol version of the subsystem and try again. |
| 3260001 | DMED260001: The specified drive is already defined as a spare drive, or is already being used in the RAID group or DP pool. Please confirm the drive status and try again. |
| 3260002 | DMED260002: The process cannot be performed because the DP pool exists. Please delete the DP pool and try again. |
| 3260003 | DMED260003: The process cannot be performed because the specified logical unit is a logical unit in the DP pool. Please specify another logical unit and try again. |
| 3260004 | DMED260004: The process cannot be performed because the subsystem is not restarted after Remote Replication, SnapShot or Dynamic Provisioning is installed or is de-installed. Please restart the subsystem and then try again. |
| 3260005 | DMED260005: The number of defined logical unit reached the maximum. Please delete unnecessary logical unit and try again. |
| 3260006 | DMED260006: The process cannot be performed because the specified RAID group is a RAID group in the DP pool. Please confirm the RAID group and try again. |

| Error Code | Description |
|---|---|
| 3260007 | DMED260007: The process cannot be performed because the logical unit which belongs to the DP pool is not normal state. Please recover the status and then try again. |
| 3260008 | DMED260008: The specified DP pool number has already been defined. Please specify a new number. |
| 3260009 | DMED260009: The process cannot be performed because the specified RAID level is not supported. Please specify the RAID level currently supported and try again. |
| 326000a | DMED26000A: The specified RAID group is already used by DP pool. Please specify a new RAID group. |
| 326000b | DMED26000B: The process cannot be performed because the specified DP pool is neither in normal nor in regressed state. Please recover the status and then try again. |
| 326000c | DMED26000C: The process cannot be performed because the non-supported drive is mounted. Please replace the drive and then try again. |
| 326000d | DMED26000D: The process cannot be performed because the capacity of specified drive is not supported. Please replace the drive currently supported and try again. |
| 326000e | DMED26000E: The specified DP pool cannot be deleted. Please specify another DP pool. |
| 326000f | DMED26000F: The number of defined RAID group reached the maximum. Please delete unnecessary RAID group and try again. |
| 3260010 | DMED260010: The process cannot be performed because the subsystem is not restarted after Dynamic Provisioning is installed. Please restart the subsystem and then try again. |
| 3260011 | DMED260011: The process cannot be performed because combination of the RAID level and the number of drive does not match. Please confirm combination of the RAID level or the number of drive and try again. |
| 3260012 | DMED260012: The specified DP pool is not defined. Please specify a defined DP pool and then try again. |
| 3260013 | DMED260013: The process cannot be performed because the specified DP pool is neither in normal state. Please recover the status and then try again. |
| 3260014 | DMED260014: The number of drives reach the maximum. Please confirm the number of drives. |
| 3260015 | DMED260015: The process cannot be performed because the logical unit exists in the DP pool. Please delete the logical unit in the DP pool and then try again. |
| 3260016 | DMED260016: The process cannot be performed because the drive recovery is in progress. Please retry after drive recovery completes. |
| 3260017 | DMED260017: The process cannot be performed because the drive firmware is being replaced. Please retry after replacement completes. |
| 3260018 | DMED260018: The early alert of DP pool consumed capacity alert is equal to or more than the depletion alert. Please confirm the values and try again. |
| 3260019 | DMED260019: The warning of over provisioning threshold is equal to or more than the limit. Please confirm the values and try again. |
| 326001a | DMED26001A: The process cannot be performed because the combination of drive type and drive capacity does not match. Please confirm the drive type or the drive capacity, and try again. |
| 326001b | DMED26001B: There is no drive which can be used. Please confirm the number of drives and try again. |

| Error Code | Description |
|---|---|
| 326001c | DMED26001C: The process cannot be performed because specified logical unit is not a logical unit in the DP pool. Please specify an logical unit in the DP pool and then try again. |
| 326001d | DMED26001D: The process cannot be performed because cache memory size is 2GB or less. Please increase a larger cache memory than 4GB and then try again. |
| 326001e | DMED26001E: The process cannot be performed because cache memory size is 2GB or less. Please increase a larger cache memory than 4GB and then try again. |
| 326001f | DMED26001F: The process cannot be performed because the status of DP pool consumed capacity is depletion alert over or capacity depleted. Please confirm the DP pool consumed capacity and then try again. |
| 3260020 | DMED260020: The process cannot be performed because the DP pool consumed capacity is not normal state. Please confirm the DP pool consumed capacity and then try again. |
| 3260021 | DMED260021: The process cannot be performed because the combination of RAID level and number of drives does not match. Please confirm the number of drives and then try again. |
| 3260022 | DMED260022: The process cannot be performed because different drives are specified. Please confirm the drive type and then try again. |
| 3260023 | DMED260023: The process cannot be performed because there are some logical units that are not normal or skip state of the parity correction. Please retry after changing to normal state. |
| 3260024 | DMED260024: The process cannot be performed because the drive type of the DP pool is different. Please confirm the drive type and then try again. |
| 3260025 | DMED260025: The process cannot be performed because the combination of stripe size and segment size does not match. Please confirm the stripe size or the cache partition and then try again. |
| 3260026 | DMED260026: The process cannot be performed because the combination of the number of drives and the combination does not match. Please confirm the number of drives and the combination and then try again. |
| 3260027 | DMED260027: The process cannot be performed because the capacity of DP pool will exceed the maximum. Please delete unnecessary DP pools and then try again. |
| 3260028 | DMED260028: The process cannot be performed because the access level is set up. Please change the attribute to Read/Write, and set S-VOL mode to enable. When the mode is set up, please reset the mode using RAID Manager. And try again. |
| 3260029 | DMED260029: The process cannot be performed because the DP optimization state of the specified logical unit in DP pool or the logical units in DP pool that has specified logical unit is neither in Normal state nor in Failed state. Please wait for completion of DP optimization or cancel DP optimization and then try again. |
| 326002a | DMED26002A: The process cannot be performed because the DP optimization state of logical unit in DP pool is not Normal. Please try again, after DP optimization is completed. When the state of DP optimization is failed, cancel DP optimization and then try again. |
| 326002b | DMED26002B: The process cannot be performed because the capacity of DP pool for performing DP optimization is insufficient. Please add capacity of DP pool for performing DP optimization and then try again. |
| 326002c | DMED26002C: The process cannot be performed because specified logical unit in DP pool or the logical units in DP pool that has specified logical unit contains the write uncompleted logical unit. Please recover and then try again. |

| Error Code | Description |
|---|---|
| 326002d | DMED26002D: It is not necessary to cancel because DP optimization state of the logical unit in specified DP pool or the logical unit in DP pool containing specified logical unit is already optimizing or canceling. |
| 326002e | DMED26002E: The process cannot be performed because DP optimization state of the logical unit in DP pool is not normal. Please confirm DP optimization state of the logical unit in DP pool and then try again. |
| 326002f | DMED26002F: The process cannot be performed because specified logical unit in DP pool contains the write uncompleted logical unit. Please recover and then try again. |
| 3260030 | DMED260030: The process cannot be performed because status of the logical unit in specified DP pool or the logical unit in DP pool containing specified logical unit is neither in Normal state nor in Regression state. Please recover the logical unit and then try again. |
| 3260031 | DMED260031: The process cannot be performed because ShadowImage pair of Simplex state exists in specified DP pool. Please release the pair and then try again. |
| 3260032 | DMED260032: The process cannot be performed because specified logical unit in DP pool or the logical units in DP pool that has specified logical unit is in the PIN exceeded state. Please recover and then try again. |
| 3260033 | DMED260033: The process cannot be performed because state of the DP pool which contains the specified logical unit is Detached. Please recover and then try again. |
| 3260034 | DMED260034: The process cannot be performed because status the logical unit in the specified DP pool is in Normal state nor in Regression state. Please recover the logical unit and then try again. |
| 3260035 | DMED260035: The process cannot be performed because specified logical unit in DP pool is in the PIN exceeded state. Please recover and then try again. |
| 3260036 | DMED260036: The process cannot be performed because the updating of DP management information is in progress. Please wait a moment and then try again. |
| 3260037 | DMED260037: The capacity of DP pool to which the specified P-VOL belongs is insufficient. Please add DP pool capacity and then try again. |
| 3260038 | DMED260038: The process cannot be performed because the subsystem is not restarted after DP capacity mode is changed. Please restart the subsystem and then try again. |
| 3260039 | DMED260039: The process cannot be performed because the capacity of DP pool will exceed the maximum. Please restart the subsystem and then try again. |
| 326003a | DMED26003A: The process cannot be performed because the subsystem is not restarted after Remote Replication, SnapShot or Dynamic Provisioning is installed or is de-installed, or Advanced Security Mode is changed. Please restart the subsystem and then try again. |
| 3300001 | DMED300001: The serial number or equipment ID cannot be changed because the path information and pair information do not exist. |
| 3300002 | DMED300002: The serial number or equipment ID cannot be changed because the path information and pair information do not exist. |
| 3300005 | DMED300005: The specified serial number or equipment ID is incorrect. Specify digits (0-9). |
| 3300006 | DMED300006: The specified serial number or equipment ID is incorrect. Please specify a right serial number or equipment ID. |
| 3300007 | DMED300007: The specified serial number or equipment ID is incorrect. Please specify a right serial number or equipment ID. |
| 3300008 | DMED300008: 0 is specified as 6 figures of low order of the serial number or equipment ID. Please specify a right serial number or equipment ID. |

| Error Code | Description |
|---|---|
| 3300009 | DMED300009: The same serial number or equipment ID as a self subsystem is specified. Please specify the serial number or equipment ID of connected subsystem. |
| 330000a | DMED30000A: The same equipment ID as a self subsystem is specified. Specify the equipment ID of connected subsystem. |
| 330000b | DMED30000B: Processing cannot be performed because a fibre channel port has not been installed. Check the port type, and then try again. |
| 330000c | DMED30000C: A value differs from current value is specified as 1 figures of high order of the serial number or equipment ID. Please specify a right serial number or equipment ID. |
| 330000d | DMED30000D: The process cannot be performed because the specified array ID is not set to Remote Replication pair, remote path or remote port CHAP information (Target information). Please confirm the array ID and try again. |
| 330000e | DMED30000E: The array ID before and behind change is the same. Please specify a right array ID. |
| 33b0011 | DMED3B0011: The firmware cannot be downgraded because the non-supported interface board is equipped on the downgraded version. Please retry by using firmware in relation to this interface board. |
| 33b0012 | DMED3B0012: A downgrade cannot be performed because a segment size of 64 KB or more has been set. Check the cache partition, and then try again. |
| 33b0013 | DMED3B0013: A downgrade cannot be performed because a stripe size of 64 KB or more has been set. Check the stripe size of the LU, and then try again. |
| 33b0014 | DMED3B0014: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again. |
| 33b0015 | DMED3B0015: The downgrade cannot be performed because the array device was not restarted after the option using the data pool was unlocked or enabled. Please restart the array device, and then try again. |
| 33b0016 | DMED3B0016: The micro program cannot be downgraded because the target(s) or CHAP user(s) is not initialized. Initialize the target(s) and CHAP user(s), and then retry the operation. |
| 33b0018 | DMED3B0018: The micro program cannot be downgraded because a pair with an MU number other than 0 exists in a ShadowImage S-VOL. Cancel the pair with an MU number other than 0, and then retry the operation. |
| 33b0019 | DMED3B0019: The firmware cannot be downgraded because the pair with MU number of 14 or more exists in SnapShot logical unit. Please cancel the pair with MU number of 14 or more and try again. |
| 33b001a | DMED3B001A: The firmware cannot be downgraded because P-VOL with 15 or more SnapShot logical unit exists. Please delete SnapShot logical unit to 14 or less, and try again. |
| 33b001b | DMED3B001B: The firmware cannot be downgraded because the user LU is being used as the pair of Remote Replication. Please cancel the pair and try again. |
| 33b001c | DMED3B001C: The micro program cannot be downgraded because a migrated LU exists. Please migrate the LU again. |
| 33b001d | DMED3B001D: The downgrade cannot be performed because the volume migration function is unlocked. Lock it, and then try again. |
| 33b001e | DMED3B001E: The firmware cannot be downgraded because Remote Replication is unlocked. Please lock the option and try again. |
| 33b001f | DMED3B001F: The downgrade cannot be performed because The Account Authentication function is unlocked. Lock it, and then try again. |

| Error Code | Description |
|---|---|
| 33b0020 | DMED3B0020: The low-power functionality has been locked. Unlock the function, and then try again. |
| 33b0021 | DMED3B0021: The micro program cannot be downgraded because the NNCtype2 is equipped. Confirm the configuration. |
| 33b0022 | DMED3B0022: The process cannot be performed because the remote path is set up with the array currently connected at the other end. Please delete the remote path and try again. |
| 33b0023 | DMED3B0023: The firmware cannot be downgraded because the 8Gbps fibre interface board is equipped. Please retry by using firmware in relation to this interface board. |
| 33b0100 | DMED3B0100: The process cannot be performed because the firmware is being replaced. Please wait a moment and then try again. |
| 33b0101 | DMED3B0101: The process cannot be performed because the firmware is being replaced. Please wait a moment and then try again. |
| 33b0102 | DMED3B0102: The process cannot be performed because the system drive type is unknown. Replace the system drive with SAS or SATA drive and try again. |
| 33b0103 | DMED3B0103: The firmware replacement cannot be performed because the controller 1 is specified. Please replace the firmware from the controller 0. Or the subsystem may have been rebooted during the firmware replacement. Please replace the firmware again, if the firmware revision is not matched between both controllers. |
| 33b0104 | DMED3B0104: The firmware replacement cannot be performed because firmware replacement of another controller is not completed and the access from hosts is not received. Please perform firmware replacement of this controller again after performing firmware replacement of another controller and completing. |
| 33b0201 | DMED3B0201: The process cannot be performed because Data Retention Utility is installed. Please de-install the option and try again. |
| 33c1101 | DMED3C1101: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again. |
| 33c1164 | DMED3C1164: The firmware cannot be downgraded because the non-supported controller is equipped on the downgraded version. Please retry by using firmware in relation to this controller. |
| 33c1211 | DMED3C1211: The firmware cannot be downgraded because the RAID group expansion is now occurring or the RAID group containing unified LU is executed expansion. Please retry after expansion is completed. |
| 33c1212 | DMED3C1212: The firmware cannot be downgraded because ShadowImage pair of Split Pending or Paired Internally Synchronizing exists. Please retry after status is changed to Split or Paired. |
| 33c1214 | DMED3C1214: The firmware cannot be downgraded because the Dense Units are connected. Please retry after removing the Dense units or by using another firmware. |
| 33c1215 | DMED3C1215: The firmware cannot be downgraded because S-VOL of ShadowImage pair is under formatting. Please retry after formatting is completed. |
| 33c1216 | DMED3C1216: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again. |
| 33c1217 | DMED3C1217: The firmware cannot be downgraded because Distributed Mode is Hub. Please change the Distributed Mode to Edge and try again. |
| 33c1218 | DMED3C1218: The firmware cannot be downgraded because Dynamic Provisioning is installed. Please change Dynamic Provisioning to de-installed and try again. |

| Error Code | Description |
|---|---|
| 33c1219 | DMED3C1219: The firmware cannot be downgraded because the user whose user authentication is RADIUS exists. Please delete the user whose user authentication is RADIUS and try again. |
| 33c121a | DMED3C121A: The firmware cannot be downgraded because the number of registered account exceeded the maximum value that can be supported on the downgraded version. Please confirm the number of registered account and try again. |
| 33c121b | DMED3C121B: The firmware cannot be downgraded because the command device that uses the logical unit in the DP pool exists. Please release the command device that uses the logical unit in the DP pool and try again. |
| 33c121c | DMED3C121C: The firmware cannot be downgraded because the DM-LU that uses the logical unit in the DP pool exists. Please release the DM-LU that uses the logical unit in the DP pool and try again. |
| 33c121e | DMED3C121E: The firmware cannot be downgraded because Tape Replication is installed. Please change Tape Replication to de-installed and try again. |
| 33c121f | DMED3C121F: The firmware cannot be downgraded because the number of connected subsystem exceeded the maximum value that can be supported on the downgraded version. Please remove drives or use another firmware and then try again. |
| 33c1220 | DMED3C1220: The firmware cannot be downgraded because the volume migration pair that uses the logical unit in the DP pool exists. Please release the pair and try again. |
| 33c1221 | DMED3C1221: The firmware cannot be downgraded because the state of DP optimization is optimizing. Please try again, after DP optimization is completed. When the state of DP optimization is failed, cancel DP optimization and then try again. |
| 33c1222 | DMED3C1222: The firmware cannot be downgraded because SSD is mounted. Please remove SSD or use another firmware and then try again. |
| 33c1223 | DMED3C1223: The firmware cannot be downgraded because the number of connected Dense units exceeded the maximum value that can be supported on the downgraded version. Please remove the Dense units or use another firmware and then try again. |
| 33c1224 | DMED3C1224: The firmware cannot be downgraded because the updating of DP management information is in progress. Please wait a moment and then try again. |
| 33c1225 | DMED3C1225: The firmware cannot be downgraded because Advanced Security Mode is enabled. Please change Advanced Security Mode to disabled and try again. |
| 33c1227 | DMED3C1227: The firmware cannot be downgraded because the SAS drives are mounted in the Dense Units. Please remove the SAS drives or use another firmware and then try again. |
| 33c1228 | DMED3C1228: The firmware cannot be downgraded because remote paths are set to an array whose H/W revision is 0200. Please delete remote paths and try again. |
| 33c12ff | DMED3C12FF: The firmware cannot be downgraded because tape group targeted differential backup or backed up differential exists. Please delete tape groups, and try again. |
| 33d0001 | DMED3D0001: The process cannot be performed because the drive firmware is being replaced. Please retry after replacement completes. |
| 3400001 | DMED400001: Processing is not possible because the specified LUs include an unformatted LU. Make sure that the LU status is appropriate, and then retry. |
| 3400002 | DMED400002: Processing is not possible because the specified logical units contain a V-VOL of COW Snapshot. Confirm the logical unit status, and then try again. |

| Error Code | Description |
|---|---|
| 3400003 | DMED400003: Processing is not possible because at least one LU is being quick formatted. Make sure that the LU status is appropriate, and then retry. |
| 3400004 | DMED400004: Processing is not possible because the specified LUs include a subLU of the combined LUs. Make sure that the LU status is appropriate, and then retry. |
| 3400005 | DMED400005: Processing is not possible because the specified LUs include a disabled LU. Make sure that the LU status is appropriate, and then retry. |
| 3400006 | DMED400006: The specified LUs include a degenerating LU. Confirm the LU status, and then try again. |
| 3400007 | DMED400007: The process cannot be performed because ShadowImage, Remote Replication, or SnapShot is in progress. Please wait a moment and then try again. |
| 3400008 | DMED400008: A start or skip operation is specified at the same time as a cancel operation. Make sure that the specification is correct, and then retry. |
| 3400009 | DMED400009: Processing is not possible because the specified LUs include an undefined LU. Make sure that the LU status is appropriate, and then retry. |
| 3400011 | DMED400011: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry. |
| 3400012 | DMED400012: Processing is not possible because parity correction is not executed or has aborted. Wait until parity correction finishes, and then retry. |
| 3400013 | DMED400013: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry. |
| 3400014 | DMED400014: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry. |
| 3400015 | DMED400015: Processing is not possible because parity correction is not available or has aborted. Wait until parity correction has finished, and then retry. |
| 3400021 | DMED400021: The cancel operation cannot be specified for a parity-uncorrected LU. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 3400022 | DMED400022: The start operation cannot be specified for an LU for which parity correction aborted. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 3400023 | DMED400023: The cancel operation cannot be specified for an LU for which parity correction aborted. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 3400024 | DMED400024: The start operation cannot be specified for an LU undergoing parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 3400025 | DMED400025: The skip operation cannot be specified for an LU undergoing parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 3400026 | DMED400026: The start operation cannot be specified for an LU waiting for parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 3400027 | DMED400027: The skip operation cannot be specified for an LU waiting for parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 3400028 | DMED400028: The cancel operation cannot be specified for an LU for which parity correction was skipped. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |

| Error Code | Description |
|---|---|
| 3400029 | DMED400029: The cancel operation cannot be specified for an LU for which parity correction has finished. Make sure that the parity correction status of the specified LU is appropriate, and then retry. |
| 340002a | DMED40002A: The logical units are under quick formatting. Please the parity correction status and try again. |
| 3500001 | DMED500001: A command device is not registered. Register the command device, and then retry. |
| 3600001 | DMED600001: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again. |
| 3700001 | DMED700001: The specified logical unit is not defined. Specify a defined logical unit. |
| 3700002 | DMED700002: The process cannot be performed because the status of pair is Simplex(SMPL). Confirm the LU status and try again. |
| 3800002 | DMED800002: A parameter error occurred. Check whether the set contents are correct. |
| 3800004 | DMED800004: The specified NNC number is not a NAS port. Check the port type. |
| 3800005 | DMED800005: Processing cannot be performed because BIOS is transmitting. Wait for the transmission to finish, and then try again. |
| 3800006 | DMED800006: Processing cannot be performed because the NAS OS is currently booting, shutting down, or is not ready. Check the status of the NAS OS, and then try again. |
| 3800007 | DMED800007: Processing cannot be performed because the BIOS is currently being upgraded. Wait for the upgrade to finish, and then try again. |
| 3800008 | DMED800008: Processing cannot be performed because the NAS OS installation has not finished. Please wait until it has finished, and then try again. |
| 3800009 | DMED800009: Processing cannot be performed because the other NNC is not active. Check the NNC status, and then try again. |
| 3800011 | DMED800011: Process cannot be performed because the NAS OS is running. Stop the NAS OS, and then try again. |
| 3800013 | DMED800013: Processing cannot be performed because the NAS OS is currently shutting down. Wait until shutdown has finished, and then retry the operation. |
| 3800014 | DMED800014: Processing cannot be performed because a NAS dump is being collected. Wait for collection to finish, and then try again. |
| 3800015 | DMED800015: Processing cannot be performed because the system LU is undefined. Define the system LU, and then try again. |
| 3800016 | DMED800016: A timeout occurred during installation. Re-insert the NNC breaker, and then try again. |
| 3800017 | DMED800017: A timeout occurred during installation. Re-insert the NNC breaker, and then try again. |
| 3800019 | DMED800019: Processing cannot be performed because the NAS OS is not in a stopped state. Stop the NAS OS, and then try again. |
| 380001a | DMED80001A: Processing cannot be performed because the BIOS firmware is being updated. Wait for the update of the BIOS firmware to finish, and then try again. |
| 380001b | DMED80001B: Processing cannot be performed because the NAS OS is blocked. Recover the status, and then try again. |
| 3800020 | DMED800020: An invalid IP address was specified. Specify a correct IP address. |

| Error Code | Description |
|---|---|
| 3800021 | DMED800021: A number outside the valid range was specified. Specify a correct number. |
| 3800022 | DMED800022: An MTU outside the valid range was specified. Specify a correct MTU. |
| 3800023 | DMED800023: An invalid negotiation has been specified. Specify a correct negotiation. |
| 3800024 | DMED800024: Processing cannot be performed because the NAS OS is not ready. Check the NAS OS status, and then try again. |
| 3800025 | DMED800025: Processing cannot be performed because the NNC management port is being set. Check the NAS OS status, and then try again. |
| 3800026 | DMED800026: The same IP address as that for the management port of the array device cannot be set. Specify a correct IP address. |
| 3800027 | DMED800027: Daylight savings time is not applicable for the specified time zone. Check the time zone. |
| 3800029 | DMED800029: Processing cannot be performed because the MTU values for the NNC are different. Set the same MTU values. |
| 3800030 | DMED800030: The setting is not possible because the specified IP address is the same as the current IP address of the NNC. Please specify another IP address, and then try again. |
| 3800099 | DMED800099: An error occurred during installation. Reboot NAS Setup, and then try again. |
| 3900000 | DMED900000: The process cannot be performed because the MT library is detached or not connected. Please confirm the MT library. |
| 3900001 | DMED900001: The process cannot be performed because the tape drive is detached or unequipped. Please confirm the tape drive. |
| 3900002 | DMED900002: The process cannot be performed because the MT library is busy. Please wait for a while and then try again. |
| 3900003 | DMED900003: The process cannot be performed because the barcode is incorrect. Please specify a correct barcode. |
| 3900004 | DMED900004: The process cannot be performed because the slot is detached or unequipped. Please confirm the slot. |
| 3900005 | DMED900005: The process cannot be performed because the tape group number is not created. Please specify a created tape group number. |
| 3900008 | DMED900008: The process cannot be performed because the MT library is detached. Please confirm the status. |
| 3900009 | DMED900009: The process cannot be performed because there is no tape cartridge in the specified slot or the I/E port. Please confirm the slot or the I/E port. |
| 390000a | DMED90000A: The process cannot be performed because the MT library is not connected. Please confirm the MT library. |
| 390000c | DMED90000C: The process cannot be performed because the specified slot number is incorrect. Please confirm the slot number and try again. |
| 390000d | DMED90000D: The process cannot be performed because there is no tape cartridge in the specified slot. Please confirm the slot. |
| 390000e | DMED90000E: The process cannot be performed because the robotics is detached or unequipped. Please confirm the robotics. |
| 3900012 | DMED900012: The process cannot be performed because the specified tape cartridge cannot be used. Please confirm the status, and select tape cartridges again. |

| Error Code | Description |
|---|---|
| 3900013 | DMED900013: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary tape groups or increase the cache memory. |
| 3900014 | DMED900014: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary tape groups or increase the cache memory. |
| 3900015 | DMED900015: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary tape groups or increase the cache memory. |
| 3901000 | DMED901000: The process cannot be performed because the specified tape group number is being used. Please confirm the tape group number. |
| 3901001 | DMED901001: The process cannot be performed because the tape cartridge is being used by another tape group. Please confirm the type, and select tape cartridges again. |
| 3901002 | DMED901002: The process cannot be performed because the tape cartridge is already set as a spare tape cartridge. Please confirm the type, and select tape cartridges again. |
| 3901003 | DMED901003: The process cannot be performed because the tape cartridge is a cleaning tape cartridge. Please confirm the type, and select tape cartridges again. |
| 3901004 | DMED901004: The process cannot be performed because the tape cartridge type is different. Please confirm the tape cartridge type, and select tape cartridges again. |
| 3901005 | DMED901005: The process cannot be performed because the tape cartridge type is not supported. Please confirm the tape cartridge type, and select again. |
| 3901006 | DMED901006: The process cannot be performed because the number of tape cartridges is insufficient. Please confirm the number of specified tape cartridge type, and select tape cartridges again. |
| 3901007 | DMED901007: The tape group with mirror cannot be created because there is only one tape drive that can use specified tape cartridge type in the MT library. Please add on a tape drive or select the redundancy without mirror. |
| 3901008 | DMED901008: The process cannot be performed because the specified tape cartridge cannot be used. Please confirm the status, and select tape cartridges again. |
| 3901009 | DMED901009: The tape group detail information is invalid. |
| 390100b | DMED90100B: The process cannot be performed because there is no tape drive that can use specified tape cartridge type. Please add on a tape drive or select the tape cartridge type again. |
| 390100c | DMED90100C: The process cannot be performed because the encryption method is not supported. Please confirm the encryption method, and select again. |
| 390100e | DMED90100E: The process cannot be performed because the specified tape cartridge type does not support the encryption. |
| 390100f | DMED90100F: The process cannot be performed because the tape cartridge type is not supported. Please confirm the tape cartridge type, and select again. |
| 3901010 | DMED901010: The process cannot be performed because the filemark interval is not supported. |
| 3901100 | DMED901100: The process cannot be performed because the copy or restoration of logical unit is in progress. Please try again, after it is completed. |
| 3901101 | DMED901101: The process cannot be performed because the copy or restoration is in progress in the backup group. Please confirm the status of the tape group in the backup group. |

| Error Code | Description |
|---|---|
| 3901102 | DMED901102: The process cannot be performed because the status of another tape group in the backup group is illegal. Please confirm the status of the tape group in the backup group. |
| 3902000 | DMED902000: The process cannot be performed because the tape cartridge is being used by the tape group. Please confirm the type, and select tape cartridges again. |
| 3902001 | DMED902001: The process cannot be performed because the tape cartridge is already set as a spare tape cartridge. Please confirm the type, and select tape cartridges again. |
| 3902002 | DMED902002: The process cannot be performed because the number of spare tape cartridges of the MT library reached the maximum. Please release unnecessary spare tape cartridges. |
| 3902003 | DMED902003: The process cannot be performed because the tape cartridge is already added in the scratch group. Please confirm the type, and select tape cartridges again. |
| 3902100 | DMED902100: The process cannot be performed because the tape cartridge is not set as a spare tape cartridge. Please confirm the type, and select tape cartridges again. |
| 3902101 | DMED902101: The process cannot be performed because the recovery of spare tape cartridge is in progress. Please try again, after it is completed. |
| 3902102 | DMED902102: The process cannot be performed because the spare tape cartridge is not normal, logically detached, detached. Please confirm the status. |
| 3902103 | DMED902103: The process cannot be performed because the tape cartridge is not normal. Please confirm the status, and select tape cartridges again. |
| 3902104 | DMED902104: The process cannot be performed because the tape cartridge type is not undefined. Please confirm the type, and select tape cartridges again. |
| 3902105 | DMED902105: The process cannot be performed because the tape cartridge is not added in the scratch group. Please confirm the type, and select tape cartridges again. |
| 3903000 | DMED903000: The process cannot be performed because a different direction of the movement is specified. Please specify the same direction. |
| 3903001 | DMED903001: The process cannot be performed because the source slot or the I/E port is unequipped. Please confirm the slot or the I/E port. |
| 3903002 | DMED903002: The process cannot be performed because the destination slot or the I/E port is unequipped. Please confirm the slot or the I/E port. |
| 3903003 | DMED903003: The process cannot be performed because the tape cartridge is moving. Please try again, after it is completed. |
| 3903004 | DMED903004: The process cannot be performed because the MT library is busy. Please wait for a while and then try again. |
| 3903005 | DMED903005: The process cannot be performed because the number of tape cartridges reached the maximum in one movement. |
| 3903006 | DMED903006: The process cannot be performed because the tape cartridge is not checked out. Please check out tape cartridges. |
| 3903007 | DMED903007: The process cannot be performed because the empty I/E port is insufficient. Please confirm the I/E port. |
| 3903008 | DMED903008: The process cannot be performed because differential bit map is insufficient. Please export unnecessary tape cartridges or delete unnecessary tape groups. |

| Error Code | Description |
|---|---|
| 3904000 | DMED904000: The process cannot be performed because the inventory is in progress. Please try again, after it is completed. |
| 3904001 | DMED904001: The process cannot be performed because the tape cartridge is being exported. Please confirm the status. |
| 3904002 | DMED904002: The process cannot be performed because the copy or restoration of logical unit is in progress. Please try again, after it is completed. |
| 3904003 | DMED904003: The process cannot be performed because differential bit map is insufficient. Please export unnecessary tape cartridges or delete unnecessary tape groups. |
| 3905000 | DMED905000: The process cannot be performed because there is no cleaning tape cartridge. Please import it. |
| 3906000 | DMED906000: The process cannot be performed because the specified MT library is already added. Please confirm the added MT library. |
| 3906001 | DMED906001: The process cannot be performed because the number of the MT libraries reached the maximum. Please delete unnecessary MT libraries. |
| 3906002 | DMED906002: The process cannot be performed because the number of robotics reached the maximum. Please delete unnecessary MT libraries. |
| 3906003 | DMED906003: The process cannot be performed because the number of tape drives reached the maximum. Please delete unnecessary MT libraries. |
| 3906004 | DMED906004: The process cannot be performed because the number of slots reached the maximum. Please delete unnecessary MT libraries. |
| 3906005 | DMED906005: The process cannot be performed because the number of I/E ports on a MT library reached the maximum. Please confirm the MT library. |
| 3906006 | DMED906006: The process cannot be performed because the specified MT library does not exist. Please confirm the available library to add. |
| 3906007 | DMED906007: The process cannot be performed because the number of robotics on a MT library reached the maximum. Please confirm the MT library. |
| 3906008 | DMED906008: The process cannot be performed because the number of tape drives on a MT library reached the maximum. Please confirm the MT library. |
| 3906009 | DMED906009: The process cannot be performed because the number of slots on a MT library reached the maximum. Please confirm the MT library. |
| 390600a | DMED90600A: The process cannot be performed because the specified MT library number is being used. Please confirm the MT library number. |
| 390600b | DMED90600B: The process cannot be performed because the number of robotics on a MT library reached the maximum. Please confirm the MT library. |
| 390600c | DMED90600C: The process cannot be performed because the number of tape drives on a MT library reached the maximum. Please confirm the MT library. |
| 390600d | DMED90600D: The process cannot be performed because the number of slots on a MT library reached the maximum. Please confirm the MT library. |
| 390600e | DMED90600E: The process cannot be performed because Cartridge Cell License is insufficient. Please install enough Cartridge Cell License and then try again. |
| 3906100 | DMED906100: The process cannot be performed because the MT library status is waiting connection or connecting. Please confirm the status. |
| 3906101 | DMED906101: The process cannot be performed because the inventory is in progress. Please try again, after it is completed. |
| 3906102 | DMED906102: The process cannot be performed because the tape cartridge is moving. Please try again, after it is completed. |

| Error Code | Description |
|---|---|
| 3906103 | DMED906103: The process cannot be performed because the tape cartridge is being cleaned. Please try again, after it is completed. |
| 3906104 | DMED906104: The process cannot be performed because the copy is in progress. Please try again, after it is completed. |
| 3906105 | DMED906105: The process cannot be performed because the restoration is in progress. Please try again, after it is completed. |
| 3907000 | DMED907000: The process cannot be performed because the specified port is used by MT library. Please confirm the specification of the port. |
| 3908000 | DMED908000: The process cannot be performed because the logical unit is copied to the tape cartridge. Please confirm the copy status of the logical unit. |
| 3908001 | DMED908001: The process cannot be performed because the logical unit is copied to the tape cartridge. Please confirm the copy status of the logical unit. |
| 3908002 | DMED908002: The process cannot be performed because Tape Replication is installed. Please change Tape Replication to de-installed and then try again. |
| 3909000 | DMED909000: The process cannot be performed because the tape drive is being used. Please confirm the status. |
| 3909100 | DMED909100: The process failed due to an invalid parameter. Confirm the specified value. |
| 3909101 | DMED909101: The process cannot be performed because the tape group is already defined. Please delete the tape group. |
| 3909102 | DMED909102: The process cannot be performed because the tape cartridge exists in the MT library. Please export the tape cartridge. |
| 3909103 | DMED909103: The process cannot be performed because other users performed the TR constitution backup or restoration. Please wait for a while and then try again. |
| 3909104 | DMED909104: The process cannot be performed because the TR constitution file version is incorrect. Please specify a correct file. |
| 3909105 | DMED909105: The process cannot be performed because the TR constitution file version is incorrect. Please specify a correct file. |
| 3909106 | DMED909106: The process failed due to an invalid parameter. Confirm the specified value. |
| 3909107 | DMED909107: The tape group detail information is invalid. |
| 3909108 | DMED909108: The tape group detail information is invalid. |
| 3909109 | DMED909109: The tape group detail information is invalid. |
| 390910a | DMED90910A: The tape group detail information is invalid. |
| 390910b | DMED90910B: The tape group detail information is invalid. |
| 390910c | DMED90910C: The tape group detail information is invalid. |
| 390910d | DMED90910D: The tape group detail information is invalid. |
| 390910e | DMED90910E: The tape group detail information is invalid. |
| 390910f | DMED90910F: The tape group detail information is invalid. |
| 3909110 | DMED909110: The tape group detail information is invalid. |
| 3909111 | DMED909111: The process failed due to an invalid parameter. Confirm the specified value. |
| 3909112 | DMED909112: The process cannot be performed because an error occurred in the subsystem. Please confirm the subsystem status, and try again. |

| Error Code | Description |
|---|---|
| 3909113 | DMED909113: The process cannot be performed because the version is unmatch between the micro program and the Storage Navigator Modular. Please match the version. |
| 3909114 | DMED909114: The tape group detail information is invalid. |
| 3909115 | DMED909115: The process cannot be performed because other users changed the TR constitution information. Please wait for a while and then try again. |
| 3909120 | DMED909120: The tape information is invalid. |
| 3909121 | DMED909121: The tape information is invalid. |
| 3909122 | DMED909122: The tape information is invalid. |
| 3909123 | DMED909123: The tape information is invalid. |
| 3909124 | DMED909124: The tape information is invalid. |
| 3909125 | DMED909125: The tape information is invalid. |
| 3909126 | DMED909126: The tape information is invalid. |
| 3909127 | DMED909127: The tape information is invalid. |
| 3909128 | DMED909128: The tape information is invalid. |
| 3909129 | DMED909129: The tape information is invalid. |
| 390912a | DMED90912A: The tape information is invalid. |
| 390912b | DMED90912B: The tape information is invalid. |
| 390912c | DMED90912C: The tape information is invalid. |
| 390912d | DMED90912D: The tape information is invalid. |
| 390912e | DMED90912E: The tape group detail information is invalid. Please specify a correct file. |
| 390912f | DMED90912F: The tape information is invalid. Please specify a correct file. |
| 3909132 | DMED909132: The process cannot be performed because the tape group is already defined. Please delete the tape group. |
| 3909133 | DMED909133: The process cannot be performed because the tape cartridge exists in the MT library. Please export the tape cartridge. |
| 3909134 | DMED909134: The tape group detail information is invalid. |
| 3909135 | DMED909135: The tape group detail information is invalid. |
| 3909136 | DMED909136: The tape group detail information is invalid. |
| 3909137 | DMED909137: The tape group detail information is invalid. |
| 3909138 | DMED909138: The tape group detail information is invalid. |
| 3909139 | DMED909139: The tape group detail information is invalid. |
| 39091ff | DMED9091FF: An error occurred in the subsystem. |
| 390a000 | DMED90A000: The process failed due to an invalid parameter. Confirm the specified value. |
| 390a001 | DMED90A001: The process failed due to an invalid parameter. Confirm the specified value. |
| 390a002 | DMED90A002: The process cannot be performed because the number of tape cartridges is incorrect. Please specify a correct number. |

| Error Code | Description |
|---|---|
| 390b001 | DMED90B001: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b002 | DMED90B002: The process cannot be performed because the tape group number is not created. Please specify a created tape group number. |
| 390b003 | DMED90B003: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group. |
| 390b004 | DMED90B004: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group. |
| 390b005 | DMED90B005: The process cannot be performed because the specified logical unit is reserved for other request. Please confirm the logical unit. |
| 390b006 | DMED90B006: The process cannot be performed because the tape group cannot be used. Please create the tape group again. |
| 390b007 | DMED90B007: The process cannot be performed because the specified tape group is not mirror. Please create the tape group with mirror and then try again. |
| 390b00a | DMED90B00A: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b00b | DMED90B00B: The process cannot be performed because the logical unit is not defined. Please confirm the logical unit. |
| 390b00c | DMED90B00C: The process cannot be performed because the logical unit is a logical unit in the DP pool. Please confirm the logical unit. |
| 390b00d | DMED90B00D: The process cannot be performed because the specified logical unit is DM-LU. Please specify another logical unit and try again. |
| 390b00e | DMED90B00E: The process cannot be performed because the specified logical unit is the system LU. Please specify another logical unit and try again. |
| 390b00f | DMED90B00F: The process cannot be performed because the specified logical unit is a command device. Please specify another logical unit and try again. |
| 390b010 | DMED90B010: The specified LU is unformatted. Specify a formatted LU and try again. |
| 390b011 | DMED90B011: The process cannot be performed because the logical unit is neither in normal nor in regressed state. Please confirm the status of the logical unit. |
| 390b012 | DMED90B012: The process cannot be performed because the specified logical unit is a Sub LU of the unifying LUs. Please specify another logical unit and try again. |
| 390b013 | DMED90B013: The process cannot be performed because the destination logical unit capacity is smaller than the source logical unit. Please specify the logical unit of the same capacity and try again. |
| 390b015 | DMED90B015: The process cannot be performed because the logical unit number is doubled. Please specify the different logical unit number. |
| 390b016 | DMED90B016: The process cannot be performed because the specified logical unit does not exist in the tape group. Please confirm the logical unit in the tape group. |
| 390b017 | DMED90B017: The process cannot be performed because the destination logical unit capacity is larger than the source logical unit. Please permit Restore to Difference LU Capacity and then try again. |
| 390b018 | DMED90B018: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit. |
| 390b019 | DMED90B019: The process cannot be performed because the pair attribute of the logical unit is P-VOL. Please confirm the logical unit. |

| Error Code | Description |
|---|---|
| 390b01a | DMED90B01A: The process cannot be performed because the pair status of the logical unit is Simplex(SMPL). Please confirm the pair status of the logical unit. |
| 390b01b | DMED90B01B: The process cannot be performed because the logical unit is executing the migration. Please confirm the logical unit. |
| 390b01c | DMED90B01C: The process cannot be performed because the access level is set to the logical unit. Please confirm the logical unit. |
| 390b01d | DMED90B01D: The RAID group, to which the specified logical unit belongs, is Power Saving. Please spin up the RAID groups and then try again. |
| 390b01e | DMED90B01E: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b020 | DMED90B020: The process cannot be performed because the segment size of logical unit is too small. Please specify logical unit of a larger segment size than the 8KB and then try again. |
| 390b021 | DMED90B021: The process cannot be performed because the size of logical unit is too large. Please specify logical unit of a smaller size than the 16TB and then try again. |
| 390b022 | DMED90B022: The process cannot be performed because the logical unit is the reserve LU. Please delete the reserve LU or specify another logical unit and try again. |
| 390b023 | DMED90B023: The process cannot be performed because the RAID group that belongs the specified logical unit is executing expansion. Please try again, after it is completed. |
| 390b024 | DMED90B024: The process cannot be performed because the specified logical unit is a logical unit in the DP pool. Please specify another logical unit and try again. |
| 390b028 | DMED90B028: The process cannot be performed because the copy or restoration is in progress. Please try again, after it is completed. |
| 390b029 | DMED90B029: The process cannot be performed because the copy or restoration is in progress. Please try again, after it is completed. |
| 390b02a | DMED90B02A: The process cannot be performed because the tape group is not backed up. Please specify tape group which is backed up and try again. |
| 390b032 | DMED90B032: The process cannot be performed because the MT library is busy. Please wait for a while and then try again. |
| 390b047 | DMED90B047: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b048 | DMED90B048: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b049 | DMED90B049: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b04d | DMED90B04D: The process cannot be performed because the tape group is not encrypted. Please confirm the tape group. |
| 390b04e | DMED90B04E: The process cannot be performed because the tape group is encrypted. |
| 390b04f | DMED90B04F: The process cannot be performed because the tape group is encrypted. |
| 390b050 | DMED90B050: The process cannot be performed because the micro program revision is new. Please update Navigator. |

| Error Code | Description |
|---|---|
| 390b051 | DMED90B051: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group. |
| 390b052 | DMED90B052: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group. |
| 390b053 | DMED90B053: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group. |
| 390b054 | DMED90B054: The process cannot be performed because the status of the logical unit is illegal. Please confirm the status of the logical unit. |
| 390b055 | DMED90B055: The process cannot be performed because the status of the logical unit is illegal. Please confirm the status of the logical unit. |
| 390b056 | DMED90B056: The process failed due to an invalid parameter. Please confirm the specified value. |
| 390b05b | DMED90B05B: An error occurred in the subsystem. |
| 390b05c | DMED90B05C: The process cannot be performed because the cache memory size is insufficient. Please increase the cache memory or delete unnecessary tape group. |
| 390b05d | DMED90B05D: The process cannot be performed because the tape group is encrypted. |
| 390b05e | DMED90B05E: The process cannot be performed because the MT library is busy. Please wait for a while and then try again. |
| 390b064 | DMED90B064: The process cannot be performed because the import is in progress. Please try again, after it is completed. |
| 390b065 | DMED90B065: The specified function is not supported. Please confirm the subsystem. |
| 390b066 | DMED90B066: The process cannot be performed because the TR constitution restoration is in progress. Please try again, after it is completed. |
| 390b0c8 | DMED90B0C8: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b0c9 | DMED90B0C9: The process cannot be performed because the logical unit is not targeted differential backup. Please confirm the logical unit. |
| 390b0cc | DMED90B0CC: The process cannot be performed because the logical unit is not used by this differential backup. Please confirm the logical unit. |
| 390b0d2 | DMED90B0D2: The process cannot be performed because the cache memory size is insufficient. Please increase the cache memory or delete unnecessary tape group. |
| 390b0d3 | DMED90B0D3: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit. |
| 390b0d4 | DMED90B0D4: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit. |
| 390b0d5 | DMED90B0D5: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit. |
| 390b0d6 | DMED90B0D6: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit. |
| 390b0d7 | DMED90B0D7: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit. |
| 390b0d8 | DMED90B0D8: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit. |

| Error Code | Description |
|---|---|
| 390b0d9 | DMED90B0D9: The process cannot be performed because the number of differential backup to the specified logical unit reached the maximum. Please confirm the backup group. |
| 390b0da | DMED90B0DA: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b0db | DMED90B0DB: The process cannot be performed because the logical unit is not used by this differential backup. Please confirm the logical unit. |
| 390b0e3 | DMED90B0E3: The process cannot be performed because the full backup tape group does not exist. Please confirm the tape group. |
| 390b0e5 | DMED90B0E5: The process cannot be performed because the status of the full backup tape group is illegal. Please confirm the status of differential source tape group. |
| 390b0e7 | DMED90B0E7: The process cannot be performed because the restoration of the full backup tape group is in progress. Please try again, after it is completed. |
| 390b0ec | DMED90B0EC: The process failed due to an invalid parameter. Confirm the specified value. |
| 390b0ed | DMED90B0ED: The process cannot be performed because the cache memory size is insufficient. Please try again, after other restoration is completed. |
| 390b0ee | DMED90B0EE: The process cannot be performed because the logical unit at restoring destination is not a part of ShadowImage pair. Please confirm the pair status of the logical unit. |
| 390b0f1 | DMED90B0F1: The process cannot be performed because the restoration is in progress in the backup group. Please confirm the status of the tape group in the backup group. |
| 390b0f4 | DMED90B0F4: The process cannot be performed because the copy is in progress in the backup group. Please confirm the status of the tape group in the backup group. |
| 390b0f5 | DMED90B0F5: The process cannot be performed because the status of another tape group in the backup group is illegal. Please confirm the status of the tape group in the backup group. |
| 390b0f6 | DMED90B0F6: The process cannot be performed because the access level is set to the logical unit. Please confirm the logical unit. |
| 390c000 | DMED90C000: The process cannot be performed because the library port is not set. Please confirm the library path. |
| 390c001 | DMED90C001: The process cannot be performed because the recovery of library path is in progress. Please try again, after it is completed. |
| 390d000 | DMED90D000: The process failed due to an invalid parameter. Confirm the specified value. |
| 390d001 | DMED90D001: The process failed due to an invalid parameter. Confirm the specified value. |
| 390d002 | DMED90D002: The process failed due to an invalid parameter. Confirm the specified value. |
| 390d003 | DMED90D003: The process cannot be performed because the logging out is in progress. Please wait for a while and then try again. |
| 390d004 | DMED90D004: The process cannot be performed because the updating information of the port is in progress. Please wait for a while and then try again. |
| 390d100 | DMED90D100: The process cannot be performed because the port is unequipped. Please confirm the subsystem status. |

| Error Code | Description |
|---|---|
| 390d101 | DMED90D101: The process cannot be performed because the port is detached. Please confirm the port status. |
| 390d102 | DMED90D102: The process cannot be performed because the specified port type is not fibre channel. Please confirm the port type. |
| 390d103 | DMED90D103: The process cannot be performed because the port is already set as a library port. Please confirm the port, and select ports again. |
| 390d104 | DMED90D104: The process cannot be performed because the port is already set as a remote path. Please confirm the port, and select ports again. |
| 390d105 | DMED90D105: The process cannot be performed because the port is already set the security option. Please confirm the security option of the port. |
| 390d106 | DMED90D106: The process cannot be performed because the port is already mapped the logical units. Please confirm the mapping information. |
| 390d108 | DMED90D108: The process cannot be performed because the controller is detached. Please confirm the subsystem status. |
| 390d10a | DMED90D10A: The process cannot be performed because the topology of the port is not Point To Point. Please confirm the setting of port. |
| 390d10b | DMED90D10B: The process cannot be performed because the transfer rate of the specified port is not AUTO. Please confirm the setting of port. |
| 390d200 | DMED90D200: The process cannot be performed because the specified port is not library port. Please confirm the port status. |
| 390d201 | DMED90D201: The process cannot be performed because all the library ports cannot be released. |
| 3910000 | DMED910000: The process failed due to an invalid parameter. Confirm the specified value. |
| 3910001 | DMED910001: The process cannot be performed because the inventory is in progress. Please try again, after it is completed. |
| 3910002 | DMED910002: The process failed due to an invalid parameter. Confirm the specified value. |
| 3910003 | DMED910003: The process failed due to an invalid parameter. Confirm the specified value. |
| 3910004 | DMED910004: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory. |
| 3910005 | DMED910005: The process failed due to an invalid parameter. Confirm the specified value. |
| 391000f | DMED91000F: The process cannot be performed because the copy or restoration is in progress. Please try again, after it is completed. |
| 3910012 | DMED910012: The process cannot be performed because the tape cartridge is moving. Please try again, after it is completed. |
| 3910013 | DMED910013: The process cannot be performed because the import is in progress. Please try again, after it is completed. |
| 3910014 | DMED910014: The process cannot be performed because the inventory is in progress. Please try again, after it is completed. |
| 3910015 | DMED910015: The process cannot be performed because the MT library is being added. Please try again, after it is completed. |
| 3910017 | DMED910017: The process cannot be performed because the micro program is being replaced. Please try again, after it is completed. |

| Error Code | Description |
|---|---|
| 3910021 | DMED910021: The process cannot be performed because the import is in progress. Please try again, after it is completed. |
| 3910022 | DMED910022: The process failed due to an invalid parameter. Confirm the specified value. |
| 3910023 | DMED910023: The process cannot be performed because the number of tape cartridges reached the maximum. Please export unnecessary tape cartridges. |
| 3910024 | DMED910024: The process cannot be performed because the tape cartridge is being exported. Please import it. |
| 3910025 | DMED910025: The process cannot be performed because the number of the tape groups reached the maximum. Please delete unnecessary tape groups. |
| 3910026 | DMED910026: The process cannot be performed because the specified tape group number is being used. Please confirm the tape group number. |
| 3910027 | DMED910027: The process cannot be performed because the specified tape group is already imported. Please confirm the tape group. |
| 3910028 | DMED910028: The process cannot be performed because the tape cartridge is not normal. Please confirm the status. |
| 3910029 | DMED910029: The process cannot be performed because the tape cartridge is not undefined. Please confirm the type. |
| 3910030 | DMED910030: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory. |
| 3910031 | DMED910031: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory. |
| 3910032 | DMED910032: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory. |
| 3910040 | DMED910040: The process cannot be performed because the tape cartridge is already audited. Please export unnecessary tape cartridges. |
| 3910050 | DMED910050: The process cannot be performed because the inventory is not in progress. Please confirm the condition of the inventory. |
| 3910051 | DMED910051: The process cannot be performed because the condition of the inventory is incorrect. Please confirm the condition of the inventory. |
| 3910060 | DMED910060: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory. |
| 3910070 | DMED910070: The option cannot be de-installed or disabled because the import is in progress |
| 3910071 | DMED910071: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory. |
| 3910072 | DMED910072: The process cannot be performed because the specified tape group is impossible to import. Please confirm the tape group. |
| 3911000 | DMED911000: The option cannot be installed or enabled because the fibre channel port is not equipped. |
| 3911001 | DMED911001: The option cannot be installed or enabled because DM-LU is not defined |
| 3911002 | DMED911002: Tape Replication cannot be installed by emergency key because the options that relate to Tape Replication is already installed by permanent key. |
| 3911003 | DMED911003: Tape Replication cannot be de-installed because the options that relate to Tape Replication is installed. |

| Error Code | Description |
|---|---|
| 3911004 | DMED911004: The option cannot be de-installed because the tape group is already defined. Please delete the tape group. |
| 3911005 | DMED911005: The option cannot be de-installed because the library port is already defined. Please release the library port. |
| 3911006 | DMED911006: The process cannot be performed because Tape Replication is de-installed, or disabled. Please change Tape Replication to installed and then try again. |
| 3911007 | DMED911007: The option that relate to Tape Replication cannot be installed because Tape Replication is not installed by permanent key. |
| 3911008 | DMED911008: The option cannot be installed because differential bit map is insufficient. Please delete unnecessary pairs. |
| 3911009 | DMED911009: The option cannot be de-installed because differential bit map is used. Please delete all tape groups and release all library ports. |
| 391100a | DMED91100A: The option cannot be de-installed because MT library is added. Please delete MT libraries. |
| 391100b | DMED91100B: Tape Replication cannot be disabled because the option that relate to Tape Replication is enabled. |
| 391100c | DMED91100C: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary pairs or increase the cache memory. |
| 3911010 | DMED911010: The option which cannot be specified at the same time is installed. |
| 3911020 | DMED911020: The option cannot be de-installed or disabled because the copy is in progress. |
| 3911021 | DMED911021: The option cannot be de-installed or disabled because the restoration is in progress. |
| 3911030 | DMED911030: The option which cannot be specified at the same time is installed. |
| 3911031 | DMED911031: The option cannot be installed or enabled because the order is incorrect. Please change Cartridge Cell License to installed or enabled in ascending order. |
| 3911032 | DMED911032: The option cannot be installed because the previous option is installed by the temporary key or emergency key. Please install the option with the temporary key or emergency key. |
| 3911040 | DMED911040: The option cannot be de-installed or disabled because the order is incorrect. Please change Cartridge Cell License to de-installed or disabled in descending order. |
| 3c00001 | DMEDC00001: The process cannot be performed because the specified group number is outside the effective range. Confirm the group number. |
| 3c00002 | DMEDC00002: The process cannot be performed because the specified LU number is outside the effective range. Confirm the LU number. |
| 3c00003 | DMEDC00003: The specified group is not used. Confirm the group number. |
| 3c00004 | DMEDC00004: The specified LU is not pair. Confirm the LU number. |
| 3c00005 | DMEDC00005: The specified LU is V-VOL. Specify another LU and try again. |
| 3c00006 | DMEDC00006: The specified LU is not V-VOL. Specify the LU number of V-VOL and try again. |
| 3c00007 | DMEDC00007: The process cannot be performed because the number of pairs reached the maximum. Confirm the settings of pairs. |
| 3c00008 | DMEDC00008: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again. |

| Error Code | Description |
|---|---|
| 3c00009 | DMEDC00009: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again. |
| 3c0000a | DMEDC0000A: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again. |
| 3c0000b | DMEDC0000B: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again. |
| 3c0000c | DMEDC0000C: The process cannot be performed because the same Group Name exists. Please confirm the Group Name and try again. |
| 3c0000d | DMEDC0000D: The process cannot be performed because the same Group Name exists. Please confirm the Group Name and try again. |
| 3c0000e | DMEDC0000E: The specified logical unit is Volume Migration pair. Please specify another logical unit and try again. |
| 5010001 | DMER010001: The target LU is undergoing the change of an ownership of LU. Retry after waiting for a while. |
| 5010002 | DMER010002: The change of a controller that controls the LU cannot be checked because the directory was blocked in the other controller. Retry after waiting for a while. |
| 5010003 | DMER010003: An instruction to change the controller that controls the LU was issued. Retry after waiting for a while. |
| 5010004 | DMER010004: The owner controller of the LUs to be paired is detached. Retry. |
| 5010005 | DMER010005: The owner controller of the LUs to be paired is detached. Retry. |
| 5010006 | DMER010006: The owner controller of the LUs to be paired is detached. Retry. |
| 5010007 | DMER010007: The owner controller of the LUs to be paired is detached. Retry. |
| 5010009 | DMER010009: The owner controller of the LUs to be paired is detached. Retry after waiting for a while. |
| 501000a | DMER01000A: The owner controller of the LUs to be paired is detached. Retry after waiting for a while. |
| 501000b | DMER01000B: The owner controller of the LUs to be paired is detached. Retry after waiting for a while. |
| 5010019 | DMER010019: The pair operation command is a time-out. Retry after waiting for a while. |
| 5010065 | DMER010065: Since the specified P-VOL requires a change of an ownership of LU, it is undergoing the execution of the ownership of LU change. Retry after waiting for a while. |
| 5010066 | DMER010066: Though the specified P-VOL requires a change of an ownership of LU, the controller to be changed is blocked. Retry after waiting for a while. |
| 5010067 | DMER010067: Since the specified P-VOL requires a change of an ownership of LU, the execution of the ownership of LU change has been started. Retry after waiting for a while. |
| 5011001 | DMER011001: The target LU is undergoing the change of an ownership of LU. Retry after waiting for a while. |
| 5011002 | DMER011002: The change of a controller that controls the LU cannot be checked because the directory was blocked in the other controller. Retry after waiting for a while. |
| 5011003 | DMER011003: An instruction to change the controller that controls the LU was issued. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 5012001 | DMER012001: The target LU is undergoing the change of an ownership of LU. Retry after waiting for a while. |
| 5012002 | DMER012002: The change of a controller that controls the LU cannot be checked because the directory was blocked in the other controller. Retry after waiting for a while. |
| 5012003 | DMER012003: An instruction to change the controller that controls the LU was issued. Retry after waiting for a while. |
| 5020000 | DMER020000: The pair status of the P-VOL is other than Simplex. Check the pair status of the LU. |
| 5020001 | DMER020001: The status of the P-VOL is other than normal and regressive. Check the status of the LU. |
| 5020002 | DMER020002: The P-VOL is a Cache Residency LU. Check the status of the LU. |
| 5020003 | DMER020003: The P-VOL is reserved as a Cache Residency LU. Check the status of the LU. |
| 5020004 | DMER020004: The P-VOL is a command device. Check the status of the LU. |
| 5020005 | DMER020005: The primary sequence number is different from the own Array ID. Check the Array ID. |
| 5020006 | DMER020006: Both of the two paths are abnormal. Check the status of the path. |
| 5020007 | DMER020007: The P-VOL has been defined as a SubLU of a unified LU. Check the status of the LU. |
| 5020009 | DMER020009: There exist maximum number of pairs already. Delete the unnecessary pairs. |
| 502000d | DMER02000D: The P-VOL is in a status other than Split and Failure. Check the pair status of the LU. |
| 502000e | DMER02000E: The status of the P-VOL is other than normal and regressive. Check the pair attribute of the LU. |
| 502000f | DMER02000F: The number of the LU to be paired is different. Check the specified LUN. |
| 5020010 | DMER020010: The primary sequence number is different from the own Array ID. Check the Array ID. |
| 5020011 | DMER020011: Both of the two paths are abnormal. Check the status of the path. |
| 5020012 | DMER020012: The specified P-VOL is in a status other than Synchronizing and Paired. Check the pair status of the LU. |
| 5020014 | DMER020014: The current Array ID differs from the number that was set initially. Check the Array ID. |
| 5020016 | DMER020016: The number of the LU to be paired is different. Check the specified LUN. |
| 5020017 | DMER020017: The primary sequence number is different from the own Array ID. Check the Array ID. |
| 5020018 | DMER020018: The S-VOL pair cancellation instructions to a P-VOL or the pair cancellation instructions to an S-VOL was received. Check the pair status of the LU. |
| 5020020 | DMER020020: The Asynchronous mode is turned on. The Asynchronous mode is not supported. |
| 5020021 | DMER020021: The fence level is STATUS. Make sure of the specified fence level. |

| Error Code | Description |
|---|---|
| 5020023 | DMER020023: The P-VOL is a volume of ShadowImage. It is in the Failure status and cannot accept Read/Write instructions. Check the pair status of the LU. |
| 5020024 | DMER020024: The P-VOL is undergoing the restoration of ShadowImage pair. Check the pair status of the LU. |
| 5020025 | DMER020025: The P-VOL received an instruction to swap pair. Check the pair attribute of the LU. |
| 5020026 | DMER020026: The pair status is not Takeover. Check the pair status. |
| 5020027 | DMER020027: The S-VOL received an instruction to resynchronize pair. Check the pair attribute of the LU. |
| 5020028 | DMER020028: The volume is a P-VOL of ShadowImage. It is in the Failure status and cannot accept Read/Write instructions. Place the P-VOL concerned in the Simplex status and create the pair again. |
| 5020029 | DMER020029: The volume is a P-VOL of ShadowImage and undergoing a reverse copy. Check the pair status of the LU. |
| 502002a | DMER02002A: The P-VOL received an instruction to be taken over. Check the pair status of the LU. |
| 502002b | DMER02002B: It is in the Simplex or Synchronizing status. Check the pair status of the LU. |
| 502002c | DMER02002C: The secondary sequence number is different from the Array ID. Check the Array ID. |
| 502002d | DMER02002D: The S-VOL received an instruction to be taken over. Check the pair status of the LU. |
| 502002e | DMER02002E: The pair status of the P-VOL is Simplex or Synchronizing. Check the pair status of the LU. |
| 502002f | DMER02002F: The primary sequence number is different from the Array ID. Check the Array ID. |
| 5020030 | DMER020030: The S-VOL received the suspension. Check the pair status of the LU. |
| 5020031 | DMER020031: The capacity is beyond the limits of support. Split the unnecessary pairs. |
| 5020032 | DMER020032: The P-VOL is configured as RAID 0. Check the RAID level of the specified LU. |
| 5020033 | DMER020033: The specified LU is an S-VOL of ShadowImage and it is in a pair status other than Split. Check the pair status of the LU. |
| 5020035 | DMER020035: The volume is an S-VOL of ShadowImage and it is in a pair status other than Split. Check the pair status of the LU. |
| 5020036 | DMER020036: The volume is a P-VOL of SnapShot and being restored. Check the pair status of the LU. |
| 5020037 | DMER020037: The volume is a P-VOL of SnapShot It is in the Failure status and cannot accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL concerned to Simplex, and create the pair again. |
| 5020038 | DMER020038: The volume is a P-VOL of SnapShot and the mate to it has already been paired by Remote Replication. Check the pair status of the LU. |
| 5020039 | DMER020039: The volume is a V-VOL of SnapShot and it is in a status other than Split of SnapShot. Check the pair status of the LU. |
| 502003a | DMER02003A: The volume is a V-VOL of SnapShot. The related P-VOL of SnapShot is being restored or has been placed in the Failure status during a restoration. Check the pair status of the LU. |

| Error Code | Description |
|---|---|
| 502003b | DMER02003B: The specified LU is comprised in a SnapShot pair and it has already been cascaded with a Remote Replication pair. Check the pair status of the LU. |
| 502003c | DMER02003C: The specified LU is comprised in a SnapShot pair and it has already been cascaded with a Remote Replication pair. Check the pair status of the LU. |
| 502003d | DMER02003D: The volume is a P-VOL of SnapShot and being restored. Check the pair status of the LU. |
| 502003e | DMER02003E: The volume is a P-VOL of SnapShot. It is in the Failure status and cannot accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL related to Simplex and create the pair again. |
| 502003f | DMER02003F: The volume is a V-VOL of SnapShot and it is in a status other than Split of SnapShot. Check the pair status of the LU. |
| 5020040 | DMER020040: The volume is a P-VOL of SnapShot. It is being restored or in the Failure status and cannot accept Read/Write instructions. Check the pair status of the LU. |
| 5020042 | DMER020042: The RAID level differs between the MainLU and SubLU. Check that the RAID level of the specified LU is the same as that expected. |
| 5020043 | DMER020043: The number of data disks differs between the MainLU and SubLU. Check that the number of data disks of the specified LU is the same as that expected. |
| 5020045 | DMER020045: The specified LU is a V-VOL of SnapShot. The P-VOL of the related SnapShot pair is a unified LU, whose MainLU and SubLU are different in RAID level. Check that the RAID level of the SnapShot P-VOL corresponding to the specified LU is the same as that expected. |
| 5020046 | DMER020046: The specified LU is a V-VOL of SnapShot. The P-VOL of the related SnapShot pair is a unified LU, whose MainLU and SubLU are different in number of data disks. Check that the number of data disks of the SnapShot P-VOL corresponding to the specified LU is the same as that expected. |
| 5020047 | DMER020047: Data of the Remote Replication P-VOL is partially destroyed. Issue the SnapShot instruction (to change the status from Paired to Split) to the SnapShot pair again, and then create the pair again. |
| 5020048 | DMER020048: Data of the Remote Replication P-VOL is partially destroyed. Format the specified LU after getting backup data of it. Then restore the backup data. |
| 502004b | DMER02004B: The specified P-VOL is in the Failure (S-VOL Switch) status of ShadowImage. Request service personnel to replace drives that compose the P-VOL. Format them after the replacement then resynchronize the pair. |
| 502004d | DMER02004D: The DM-LU is not set. Retry after setting the DM-LU. |
| 502004e | DMER02004E: The DM-LU cannot be specified as P-VOL. Check the status of the LU. |
| 502004f | DMER02004F: Validity of the license expired. Purchase the license. |
| 5020052 | DMER020052: The remote SnapShot split request was accepted in the Remote Replication environment. The remote SnapShot split request is not supported in the Remote Replication environment. |
| 5020053 | DMER020053: The specified P-VOL is the reserved LU. Check the status of the LU. |
| 5020054 | DMER020054: The specified P-VOL is undergoing the migration. Check the pair status of the LU. |
| 5020055 | DMER020055: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 5020056 | DMER020056: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |

| Error Code | Description |
|---|---|
| 5020057 | DMER020057: The specified function is not supported in a remote array. Check the remote array. |
| 5020058 | DMER020058: When creating pairs with group is specified, the specified group ID is beyond the limits of supported. Check the specified group ID. |
| 5020059 | DMER020059: The pair status of the specified S-VOL does not allow you to create a pair. Check the pair status of the specified S-VOL on both local and remote arrays. |
| 502005a | DMER02005A: The command was received in unit of group at the time of resynchronization. Check the specified value. |
| 502005b | DMER02005B: When the unit of group is specified, the specified S-VOL is not created pair with group. Check the status of the LU. |
| 502005c | DMER02005C: When the unit of group is specified, there is a P-VOL in the same group. Check the group ID. |
| 502005d | DMER02005D: When the unit of group is specified, there is no pair, which is in the Paired, Split, or Failure status, in the same group. Check the pair status of LU in the group. |
| 502005e | DMER02005E: When the unit of group is specified, the specified P-VOL is not created pair with group. Check the status of the LU. |
| 502005f | DMER02005F: When the unit of group is specified, there is an S-VOL in the same group. Check the group ID. |
| 5020060 | DMER020060: When the unit of group is specified, there is no pair, which is in the Paired, Split, or Failure status, in the same group. Check the pair status of LU in the group. |
| 5020061 | DMER020061: When the unit of group is specified, the specified P-VOL is not created pair with group. Check the status of the LU. |
| 5020062 | DMER020062: When the unit of group is specified, there is an S-VOL in the same group. Check the group ID. |
| 5020063 | DMER020063: When the unit of group is specified, there is no pair, which is in the Synchronizing or Paired status, in the same group. Check the pair status of LU in the group. |
| 5020064 | DMER020064: The pair cancellation instructions was executed for the range that was not supported. Check the specified value. |
| 5020065 | DMER020065: When the unit of group is specified, the specified P-VOL is not created pair with group. Check the status of the LU. |
| 5020066 | DMER020066: When the unit of group is specified, there is an S-VOL in the same group. Check the group ID. |
| 5020067 | DMER020067: When the unit of group is specified, the specified S-VOL is not created pair with group. Check the status of the LU. |
| 5020068 | DMER020068: When the unit of group is specified, there is a P-VOL in the same group. Check the group ID. |
| 5020069 | DMER020069: The remote path connected to the specified remote array does not exist. Retry after creating the remote path from the local array to the remote array of the specified remote Array ID. |
| 502006a | DMER02006A: The command cannot execute because the Auto Migration is undergoing. Check the Migration status. |
| 502006b | DMER02006B: The command cannot execute because the Auto Migration is undergoing. Check the Migration status. |

| Error Code | Description |
|---|---|
| 502006c | DMER02006C: The command cannot execute because the Auto Migration is undergoing. Check the Migration status. |
| 502006d | DMER02006D: There are other pairs in the group, whose fence level is not the same as the one specified. Confirm the fence level of the pair you are creating. |
| 502006e | DMER02006E: There are other pairs in the group, whose P-VOL and S-VOL are swapped. Confirm the array on which you are executing the command. |
| 502006f | DMER02006F: The specified LU is the P-VOL or S-VOL of a ShadowImage pair that the status is Split Pending or Paired Internally Synchronizing. Check the status of the ShadowImage pair. |
| 5020070 | DMER020070: Migration status indicates a status other than Not Started. Check the Migration status. |
| 5020071 | DMER020071: Migration mode indicates Migration. Check the migration mode. |
| 5020072 | DMER020072: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 5020073 | DMER020073: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is used by pairs in the specified group. Retry after the RAID group status becomes Normal. |
| 5020074 | DMER020074: The specified CTG number has been used into other remote replication pair with the remote array. Retry after specifying the number other than specified CTG number. |
| 5020075 | DMER020075: The local array can not execute create pair with the specified remote array because the maximum number of the connected arrays is beyond the limits. Retry after deleting the all remote replication pair with the another remote array. |
| 5020076 | DMER020076: The local array can not execute create pair with the specified remote array because the maximum number of the connected arrays is beyond the limits. Retry after deleting the all remote replication pair with the another remote array. |
| 5020077 | DMER020077: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool. |
| 5020078 | DMER020078: The LU that was specified as P-VOL does not exist. Check the specified LUN. |
| 5020079 | DMER020079: The specified P-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the ShadowImage pair that the specified P-VOL is part of. |
| 502007a | DMER02007A: The specified P-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the ShadowImage pair that the specified P-VOL is part of. |
| 502007b | DMER02007B: The specified P-VOL is an S-VOL of ShadowImage pair those P-VOL is part of another ShadowImage pair that S-VOL is the LU created in DP pool. Confirm all the S-VOL of ShadowImage pair that shares the P-VOL with the ShadowImage pair that specified P-VOL is part of. |
| 502303d | DMER02303D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN. |
| 502403d | DMER02403D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN. |
| 5030000 | DMER030000: The controller that controls the LU cannot be changed because pinned data exists. Retry after eliminating pinned data. |
| 5030001 | DMER030001: The controller that controls the LU cannot be changed temporarily. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 5030002 | DMER030002: The operation to change LU is in progress. Retry after waiting for a while. |
| 5030003 | DMER030003: There is no partition to which the current partition is to be changed. Retry after waiting for a while. |
| 5030004 | DMER030004: The directory configuration is being changed. Reboot the subsystem. |
| 5030005 | DMER030005: The change of a controller that controls the LU resulted in a time-out. Retry after waiting for a while. |
| 5030006 | DMER030006: The pair status of the P-VOL is other than Simplex, or a V-VOL does not exist. Check the pair status of the LU. |
| 5030007 | DMER030007: The pair status is other than Simplex. Check the pair status of the LU. |
| 5030008 | DMER030008: The specified P-VOL is a V-VOL. Check the pair status of the LU. |
| 5030009 | DMER030009: The specified V-VOL is a P-VOL. Check the pair status of the LU. |
| 503000b | DMER03000B: The group ID is out of appropriate range. Make sure of the specified group ID number. |
| 503000d | DMER03000D: The same MU number was specified within the same P-VOL. Make sure of the specified MU number. |
| 503000e | DMER03000E: The process is in progress. Retry after waiting for a while. |
| 5030010 | DMER030010: The pair status is other than Split. Check the pair status of the LU. |
| 5030011 | DMER030011: The object LUN is not the same as the expected one. Check the specified LU. |
| 5030012 | DMER030012: The instruction of forced suspension was received. Make sure of the command. |
| 5030014 | DMER030014: The P-VOL is in a status other than normal and regressive. Check the status of the LU. |
| 5030015 | DMER030015: The data pool LU being used is in a status other than normal and regressive. Check the status of the pool LU. |
| 5030017 | DMER030017: The pair attribute of the P-VOL is V-VOL. Check the status of the LU. |
| 5030018 | DMER030018: The pair attribute of the V-VOL is P-VOL. Check the status of the LU. |
| 503001a | DMER03001A: The same MU number was specified within the same P-VOL. Make sure of the specified MU number. |
| 503001b | DMER03001B: The process is in progress. Retry after waiting for a while. |
| 503001d | DMER03001D: The object LUN is not the same as the expected one. Check the specified LU. |
| 503001e | DMER03001E: The specified V-VOL is not specified to be grouped(Group ID suspension). Check the pair attribute of the LU. |
| 503001f | DMER03001F: The V-VOL, which is an object of the batch suspension, is in a status other than Paired(Group ID suspension). Check the pair status of the LU. |
| 5030020 | DMER030020: The process is in progress. Retry after waiting for a while. |
| 5030021 | DMER030021: The process is in progress. Retry after waiting for a while. |
| 5030022 | DMER030022: The pair status of the V-VOL is illegal. Check the pair status of the LU. |
| 5030023 | DMER030023: The object LUN is not the same as the expected one. Check the specified LU. |

| Error Code | Description |
|---|---|
| 5030028 | DMER030028: The specified MU number is different from that of the specified V-VOL. Make sure of the specified MU number. |
| 5030029 | DMER030029: The specified MU number is different from that of the specified V-VOL. Make sure of the specified MU number. |
| 503002a | DMER03002A: The specified MU number is different from that of the specified V-VOL. Make sure of the specified MU number. |
| 503002b | DMER03002B: The pair status was changed to Failure because the process terminated abnormally. Place the pair concerned in the Simplex status once, and then create the pair again. |
| 503002c | DMER03002C: The specified P-VOL has excess pinned data (at the time of a restoration only). Retry after eliminating pinned data. |
| 503002e | DMER03002E: Navigator was received by the control information on 8-byte form. Check the environment of Navigator. |
| 503002f | DMER03002F: There are 64 or more LUs being restored. Retry after the restoration is completed. |
| 5030030 | DMER030030: The P-VOL is being restored. Retry after the restoration is completed. |
| 5030031 | DMER030031: Data of the V-VOL is partially destroyed. Make a backup from the S-VOL to a tape device, etc. and then restore the data to the P-VOL. |
| 5030032 | DMER030032: The process is in progress. Retry after waiting for a while. |
| 5030033 | DMER030033: Because the process terminated abnormally, the pair status was changed to Failure and the P-VOL became unable to accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL concerned to Simplex, and create the pair again. |
| 5030034 | DMER030034: Because the process terminated abnormally, the pair status was changed to Failure and the P-VOL became unable to accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL concerned to Simplex, and create the pair again. |
| 5030035 | DMER030035: The MU number is other than 0 to 2. Make sure of the specified MU number. |
| 5030036 | DMER030036: The MU number is other than 0 to 2. Make sure of the specified MU number. |
| 5030037 | DMER030037: The MU number is other than 0. Make sure of the specified MU number. |
| 5030038 | DMER030038: The V-VOL is a volume of Remote Replication and in a status other than Simplex. Check the status of the Remote Replication pair. |
| 5030039 | DMER030039: The P-VOL of SnapShot is a P-VOL of Remote Replication. It is in the Split status and prohibited from accepting Write instructions. Check the pair status and pair attribute. |
| 503003a | DMER03003A: The P-VOL of SnapShot is a S-VOL of Remote Replication. It is in the Split status and prohibited from accepting Write instructions. Check the pair status and pair attribute. |
| 503003b | DMER03003B: The P-VOL of SnapShot is a volume of Remote Replication and it is in a status other than Simplex and Split. Check the status of the Remote Replication pair. |
| 503003c | DMER03003C: Among the other V-VOLs of SnapShot, there are LUs of Remote Replication in a status other than Split and Failure. Check the status of the Remote Replication pair. |

| Error Code | Description |
|---|---|
| 503003d | DMER03003D: The V-VOL is a volume of Remote Replication and in a status other than Split and Failure. Check the status of the Remote Replication pair. |
| 503003e | DMER03003E: The V-VOL is a volume of Remote Replication and in a status other than Simplex. Check the status of the Remote Replication pair. |
| 5030044 | DMER030044: The DM-LU is not set. Retry after setting the DM-LU. |
| 5030045 | DMER030045: The DM-LU was specified as P-VOL. Check the status of the LU. |
| 5030046 | DMER030046: The DM-LU was specified as V-VOL. Check the status of the LU. |
| 5030047 | DMER030047: The DM-LU is not set. Retry after setting the DM-LU. |
| 5030048 | DMER030048: The DM-LU was specified as P-VOL. Check the status of the LU. |
| 5030049 | DMER030049: The DM-LU was specified as V-VOL. Check the status of the LU. |
| 503004a | DMER03004A: Validity of the license expired. Purchase the license. |
| 503004b | DMER03004B: Validity of the license expired. Purchase the license. |
| 5030052 | DMER030052: The specified P-VOL is a P-VOL of Remote Replication and the status of the Remote Replication pair is other than Split (at the time of restoration). Check the status of the LU. |
| 5030053 | DMER030053: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and writing to the S-VOL is prohibited (at the time of restoration). Check the status of the LU. |
| 5030054 | DMER030054: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Busy (at the time of restoration). Check the status of the LU. |
| 5030056 | DMER030056: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and reading/writing from/to the S-VOL is prohibited (at the time of restoration). Check the status of the LU. |
| 5030057 | DMER030057: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is other than Simplex or Split (at the time of restoration). Check the status of the LU. |
| 5030058 | DMER030058: The P-VOL of this SnapShot is the S-VOL of the Remote Replication pair. It cannot be executed because the status of this Remote Replication pair is Synchronizing or Paired. Check the status of the LU. |
| 5030059 | DMER030059: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and reading/writing from/to the S-VOL is prohibited. Check the status of the LU. |
| 503005a | DMER03005A: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Synchronizing or Paired. Check the status of the LU. |
| 503005b | DMER03005B: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and reading/writing from/to the S-VOL is prohibited. Check the status of the LU. |
| 503005c | DMER03005C: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Pool Full (at the time of restoration). Check the status of the LU. |
| 503005d | DMER03005D: The specified P-VOL is the reserved LU. Check the status of the LU. |
| 503005e | DMER03005E: The specified P-VOL is the reserved LU. Check the status of the LU. |
| 503005f | DMER03005F: Though the specified P-VOL requires a change of an ownership of LU, it has the pinned data. Contact the service personnel. |

| Error Code | Description |
|---|---|
| 5030060 | DMER030060: The controller that controls the LU that will be P-VOL cannot be changed. Check the status of the LU. |
| 5030061 | DMER030061: The operation to change LU is in progress. Retry after waiting for a while. |
| 5030062 | DMER030062: There is no partition to which the current partition to be changed. Retry after waiting for a while. |
| 5030063 | DMER030063: Though the specified P-VOL requires a change of an ownership of LU, the directory structure is being changed. Check the status of the LU. |
| 5030064 | DMER030064: Though the specified P-VOL requires a change of an ownership of LU, a time-out occurred in the ownership of LU changed. Check the status of the LU. |
| 5030065 | DMER030065: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down (at the time of restoration). Check the status of the RAID group. |
| 5030066 | DMER030066: The specified POOL ID is beyond the limits of supported. Check the specified POOL ID. |
| 5030067 | DMER030067: There is no POOL LU at the specified POOL ID. Check the specified POOL ID. |
| 5030068 | DMER030068: The specified P-VOL is already paired with one or more V-VOLs, and the specified POOL ID is different from the POOL ID, which is already assigned. Check the specified POOL ID. |
| 5030069 | DMER030069: The RAID group, to which the specified P-VOL belongs, is RAID 0. Check the RAID level of the specified LU. |
| 503006a | DMER03006A: The V-VOL has already created the maximum number of pairs for the specified P-VOL. Check the number of V-VOLs which have paired with the P-VOL. |
| 503006b | DMER03006B: The specified P-VOL is a SubLU of a unified LU. Check the status of the LU. |
| 503006c | DMER03006C: The specified P-VOL is a Volume Migration pair. Check the status of the LU. |
| 503006d | DMER03006D: The specified P-VOL is a ShadowImage pair. Check the attribute of the LU. |
| 503006e | DMER03006E: The specified P-VOL has been defined to the command device. Check the attribute of the LU. |
| 503006f | DMER03006F: The maximum supported capacity is beyond the limits. Delete the unnecessary pairs. |
| 5030070 | DMER030070: The maximum supported capacity is beyond the limits. Delete the unnecessary pairs. |
| 5030071 | DMER030071: It is exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Delete the unnecessary pairs. |
| 5030072 | DMER030072: The specified P-VOL is a MainLU of a unified LU, which includes an LU with a capacity smaller than 1 GB. Check the status of the LU. |
| 5030073 | DMER030073: The specified P-VOL has been set to the current Cache Residency LU. Check the status of the LU. |
| 5030074 | DMER030074: The specified P-VOL has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 5030075 | DMER030075: The specified P-VOL is the LU, for which a change of the cache partition(s) had been reserved to other directory. Check the status of the LU. |
| 5030076 | DMER030076: Differential bit map is insufficient. Delete the unnecessary pairs. |

| Error Code | Description |
|---|---|
| 5030077 | DMER030077: When the specified P-VOL is a Remote Replication pair, the specified pool ID and the used pool ID are not the same. Check the specified pool ID. |
| 5030078 | DMER030078: LU capacities of the P-VOL and V-VOL are different. Check the capacity of the LU. |
| 5030079 | DMER030079: The specified V-VOL is an S-VOL of a Remote Replication pair. |
| 503007a | DMER03007A: Among the other V-VOLs of SnapShot, there are S-VOLs of Remote Replication. Check the status of the Remote Replication pair. |
| 503007b | DMER03007B: An unsupported command option was received. Check the specified value. |
| 503007c | DMER03007C: The specified POOL ID is beyond the limits of supported. Check the specified POOL ID. |
| 503007d | DMER03007D: There is no POOL LU at the specified POOL ID. Check the specified POOL ID. |
| 503007e | DMER03007E: An instruction to create a pair was issued to a P-VOL, which has one or more pairs, specifying a POOL ID different from that has been assigned. Check the specified POOL ID. |
| 503007f | DMER03007F: The RAID group, to which the specified P-VOL belongs, is RAID 0. Check the RAID level of the specified LU. |
| 5030080 | DMER030080: The V-VOL has already created the maximum number of pairs for the specified P-VOL. Check the number of V-VOLs which have paired with the P-VOL. |
| 5030081 | DMER030081: The specified P-VOL is a SubLU of a unified LU. Check the status of the LU. |
| 5030082 | DMER030082: The specified P-VOL is a Volume Migration pair. Check the RAID level of the specified LU. |
| 5030083 | DMER030083: The specified P-VOL is a ShadowImage pair. Check the attribute of the LU. |
| 5030084 | DMER030084: The specified P-VOL has been defined to the command device. Check the attribute of the LU. |
| 5030085 | DMER030085: The maximum supported capacity is beyond the limits. Delete the unnecessary pairs. |
| 5030086 | DMER030086: The maximum supported capacity is beyond the limits. Delete the unnecessary pairs. |
| 5030087 | DMER030087: It is exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Delete the unnecessary pairs. |
| 5030088 | DMER030088: The specified P-VOL is a MainLU of a unified LU, which includes an LU with a capacity smaller than 1 GB. Check the status of the LU. |
| 5030089 | DMER030089: The specified P-VOL has been set to the current Cache Residency LU. Check the status of the LU. |
| 503008a | DMER03008A: The specified P-VOL has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 503008b | DMER03008B: The specified P-VOL is the LU, for which a change of the cache partition(s) had been reserved to other directory. Check the status of the LU. |
| 503008c | DMER03008C: Differential bit map is insufficient. Delete the unnecessary pairs. |
| 503008d | DMER03008D: When the specified P-VOL is a Remote Replication pair, the specified pool ID and the used pool ID are not the same. Check the specified pool ID. |

| Error Code | Description |
|---|---|
| 503008e | DMER03008E: LU capacities of the P-VOL and V-VOL are different. Check the capacity of the LU. |
| 503008f | DMER03008F: When creating a pair specifying a group ID, the specified group ID is already used for a ShadowImage pair. Check the specified group ID. |
| 5030090 | DMER030090: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number. |
| 5030091 | DMER030091: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 5030092 | DMER030092: The P-VOL is in a status other than normal or regressive. Check the status of the LU. |
| 5030093 | DMER030093: The used data POOL LU is in the status other than normal or regressive. Check the status of the LU. |
| 5030094 | DMER030094: The Migration status is other than unexecuted. Check the Migration status. |
| 5030095 | DMER030095: The Migration status is other than unexecuted. Check the Migration status. |
| 5030096 | DMER030096: The Migration status is other than unexecuted. Check the Migration status. |
| 5030097 | DMER030097: The Migration status is other than unexecuted. Check the Migration status. |
| 5030098 | DMER030098: The Migration status is other than unexecuted. Check the Migration status. |
| 5030099 | DMER030099: There exist maximum number of pairs already. Delete the unnecessary pairs. |
| 503009a | DMER03009A: There exist maximum number of pairs already. Delete the unnecessary pairs. |
| 503009b | DMER03009B: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered. |
| 503009c | DMER03009C: The RAID group to which the target LU of changing ownership belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 503009d | DMER03009D: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool. |
| 503009e | DMER03009E: A P-VOL that belongs to the RAID group that indicates a status other than Normal is included in the specified group. Retry after the RAID group status becomes Normal. |
| 503009f | DMER03009F: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is used by pairs in the specified group. Retry after the RAID group status becomes Normal. |
| 50300a0 | DMER0300A0: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 50300a1 | DMER0300A1: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is specified when the pair operation or used by specified pair. Retry after the RAID group status becomes Normal. |
| 50300a2 | DMER0300A2: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool. |

| Error Code | Description |
|---|---|
| 50300a3 | DMER0300A3: The LU that was specified as P-VOL does not exist. Check the specified LUN. |
| 50300a4 | DMER0300A4: The LU that was specified as P-VOL does not exist. Check the specified LUN. |
| 50300a5 | DMER0300A5: An LU whose DP optimization status is not Normal is included in the pair and its cascade pairs. Check the DP optimization status of the LUs which are included in the pairs. |
| 50300ef | DMER0300EF: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number. |
| 50300f0 | DMER0300F0: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 50300fa | DMER0300FA: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered. |
| 50300fb | DMER0300FB: The RAID group to which the target LU of changing ownership belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 5031000 | DMER031000: The controller that controls the LU cannot be changed because pinned data exists. Retry after eliminating pinned data. |
| 5031001 | DMER031001: The controller that controls the LU cannot be changed temporarily. Retry after waiting for a while. |
| 5031002 | DMER031002: The operation to change LU is in progress. Retry after waiting for a while. |
| 5031003 | DMER031003: There is no partition to which the current partition is to be changed. Retry after waiting for a while. |
| 5031004 | DMER031004: The directory configuration is being changed. Reboot the subsystem. |
| 5031005 | DMER031005: The change of a controller that controls the LU resulted in a time-out. Retry after waiting for a while. |
| 5031090 | DMER031090: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number. |
| 5031091 | DMER031091: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 503109b | DMER03109B: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered. |
| 503109c | DMER03109C: The RAID group to which the target LU of changing ownership belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 5032000 | DMER032000: The controller that controls the LU cannot be changed because pinned data exists. Retry after eliminating pinned data. |
| 5032001 | DMER032001: The controller that controls the LU cannot be changed temporarily. Retry after waiting for a while. |
| 5032002 | DMER032002: The operation to change LU is in progress. Retry after waiting for a while. |
| 5032003 | DMER032003: There is no partition to which the current partition is to be changed. Retry after waiting for a while. |
| 5032004 | DMER032004: The directory configuration is being changed. Reboot the subsystem. |
| 5032005 | DMER032005: The change of a controller that controls the LU resulted in a time-out. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 5032090 | DMER032090: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number. |
| 5032091 | DMER032091: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 503209b | DMER03209B: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered. |
| 5050001 | DMER050001: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed. |
| 5050002 | DMER050002: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed. |
| 5050003 | DMER050003: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed. |
| 5050004 | DMER050004: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed. |
| 5050005 | DMER050005: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed. |
| 5060001 | DMER060001: The S-VOL is in the S-VOL Disable mode. Cancel the access attribute. |
| 5060002 | DMER060002: The P-VOL is in the S-VOL Disable mode (at the time of restoration). Check the attribute of the LU. |
| 5060003 | DMER060003: The S-VOL Disable is specified for the P-VOL (at the time of a restoration only). Cancel the access attribute. |
| 5060004 | DMER060004: The S-VOL Disable is specified for the S-VOL. Cancel the access attribute. |
| 5060005 | DMER060005: Resynchronization is directed to the ShadowImage pair whose S-VOL is specified as S-VOL Disable. Check the pair attribute of the LU. |
| 5060006 | DMER060006: The S-VOL Disable is specified for the S-VOL (at the time of a restoration only). Check the pair attribute of the LU. |
| 5070001 | DMER070001: The P-VOL or S-VOL has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity. |
| 5070002 | DMER070002: The P-VOL is undergoing the forced restoration by means of parity (at the time of restoration). Retry after the restoration by means of parity is completed. |
| 5070003 | DMER070003: The S-VOL is undergoing the forced restoration by means of parity. Retry after making the restoration by means of parity. |
| 5070011 | DMER070011: The P-VOL has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity. |
| 5070012 | DMER070012: The P-VOL is undergoing the forced restoration by means of parity. Retry after the restoration by means of parity is completed. |
| 5070021 | DMER070021: The P-VOL or data pool LU has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity. |
| 5070022 | DMER070022: The P-VOL is undergoing the forced restoration by means of parity (at the time of a restoration). Retry after parity correction is completed. |
| 5070023 | DMER070023: The data pool LU is undergoing the forced restoration by means of parity. Retry after the restoration by means of parity is completed. |
| 5080001 | DMER080001: More LUs than supportable ones were specified for LUNs of the P-VOL. Make sure of the number of the specified paired LU. |

| Error Code | Description |
|---|---|
| 5080002 | DMER080002: More LUs than supportable ones were specified for LUNs of the S-VOL. Make sure of the number of the specified paired LU. |
| 5080003 | DMER080003: The P-VOL is in the status other than normal and regressive. Check the status of the LU. |
| 5080004 | DMER080004: The S-VOL is in the status other than normal and regressive. Check the status of the LU. |
| 5080005 | DMER080005: The primary sequence number is different from the own Array ID. Check the Array ID. |
| 5080006 | DMER080006: The secondary sequence number is different from the own Array ID. Check the Array ID. |
| 5080007 | DMER080007: The primary port number is not supported. Check the specified port number. |
| 5080008 | DMER080008: The secondary port number is not supported. Check the specified port number. |
| 5080009 | DMER080009: The P-VOL is a volume of ShadowImage and in the status other than Simplex. Check the pair status of the LU. |
| 508000a | DMER08000A: The S-VOL is a volume of ShadowImage and in the status other than Simplex. Check the pair status of the LU. |
| 508000b | DMER08000B: The P-VOL is a Sub LU of a unified LU. Check the status of the LU. |
| 508000c | DMER08000C: The S-VOL is a Sub LU of a unified LU. Check the status of the LU. |
| 508000e | DMER08000E: The P-VOL is a Cache Residency LU. Check the status of the LU. |
| 508000f | DMER08000F: The S-VOL is a Cache Residency LU. Check the status of the LU. |
| 5080010 | DMER080010: The P-VOL is reserved as a Cache Residency LU. Check the status of the LU. |
| 5080011 | DMER080011: The S-VOL is reserved as a Cache Residency LU. Check the status of the LU. |
| 5080012 | DMER080012: The P-VOL is a command device. Check the status of the LU. |
| 5080013 | DMER080013: The S-VOL is a command device. Check the status of the LU. |
| 5080014 | DMER080014: The LUNs of the P-VOL and S-VOL are the same. Check the specified LU. |
| 5080016 | DMER080016: The specified pair is in a status other than Split, Split Pending and Failure. Check the pair status. |
| 5080017 | DMER080017: The LU to be paired with the P-VOL is not an S-VOL. Check the specified LU. |
| 5080018 | DMER080018: The LUN of the P-VOL is higher than 512 (1,023). Make sure of the number of the specified paired LU. |
| 5080019 | DMER080019: The LUN of the S-VOL is higher than 512 (1,023). Make sure of the number of the specified paired LU. |
| 508001a | DMER08001A: The primary sequence number is different from the own Array ID. Check the Array ID. |
| 508001b | DMER08001B: The secondary sequence number is different from the own Array ID. Check the Array ID. |
| 508001c | DMER08001C: The primary port number is not supported. Check the specified port number. |

| Error Code | Description |
|---|---|
| 508001d | DMER08001D: The secondary port number is not supported. Check the specified port number. |
| 508001f | DMER08001F: The S-VOL is a volume of ShadowImage and in the pair status of Simplex or Failure. Check the pair status of the LU. |
| 5080020 | DMER080020: The LU to be paired with the P-VOL is not an S-VOL. Check the specified LU. |
| 5080021 | DMER080021: The status of the P-VOL is other than normal and regressive. Check the status of the LU. |
| 5080022 | DMER080022: The status of the S-VOL is other than normal and regressive. Check the status of the LU. |
| 5080023 | DMER080023: The P-VOL is a Sub LU of a unified LU. Check the status of the LU. |
| 5080024 | DMER080024: The S-VOL is a Sub LU of a unified LU. Check the status of the LU. |
| 5080026 | DMER080026: The P-VOL has been set to the current Cache Residency LU. Check the status of the LU. |
| 5080027 | DMER080027: The S-VOL has been set to the current Cache Residency LU. Check the status of the LU. |
| 5080028 | DMER080028: The P-VOL is reserved as a Cache Residency LU. Check the status of the LU. |
| 5080029 | DMER080029: The S-VOL is reserved as a Cache Residency LU. Check the status of the LU. |
| 508002a | DMER08002A: The P-VOL is defined as a command device. Check the status of the LU. |
| 508002b | DMER08002B: The S-VOL is defined as a command device. Check the status of the LU. |
| 508002c | DMER08002C: The LUNs of the P-VOL and S-VOL are the same. Check the specified LU. |
| 508002d | DMER08002D: The number of the LU to be paired is different. Check the specified LUN. |
| 508002e | DMER08002E: The number of the LU to be paired is different. Check the specified LUN. |
| 508002f | DMER08002F: The pair status of the P-VOL/S-VOL is other than Simplex, Paired, Paired Internally Synchronizing and Synchronizing. Check the pair status of the LU. |
| 5080030 | DMER080030: The LUN of the P-VOL is beyond the limits of support. Check the specified LUN. |
| 5080031 | DMER080031: The LUN of the S-VOL is beyond the limits of support. Check the specified LUN. |
| 5080032 | DMER080032: The pair attribute of the LU specified for a P-VOL is not a P-VOL. Check the specified LUN. |
| 5080033 | DMER080033: The number of the LU to be paired is different. Check the specified LUN. |
| 5080034 | DMER080034: The primary sequence number is different from the Array ID. Check the specified primary sequence number. |
| 5080035 | DMER080035: The secondary sequence number is different from the Array ID. Check the specified secondary sequence number. |
| 5080036 | DMER080036: The primary port number is beyond the limits of support. Check the specified primary port number. |

| Error Code | Description |
|---|---|
| 5080037 | DMER080037: The secondary port number is beyond the limits of support. Check the specified secondary port number. |
| 5080038 | DMER080038: A pair in the Failure (S-VOL Switch) status received an instruction to restore. Request that service personnel replace the drives that compose the P-VOL. Format them after the replacement then resynchronize them. |
| 5080039 | DMER080039: The specified pair is in the Failure (S-VOL Switch) status. Request that service personnel replace the drives that compose the P-VOL. Format them after the replacement and then resynchronize them. |
| 508003a | DMER08003A: The pair in the Failure (S-VOL Switch) status is undergoing resynchronization. Wait until the resynchronization is completed. |
| 508003b | DMER08003B: The pair in the Failure (S-VOL Switch) status is undergoing resynchronization. Wait until the resynchronization is completed. |
| 508003c | DMER08003C: The group ID is out of appropriate range. Make sure of the specified group ID number. |
| 508003d | DMER08003D: The number of pairs having the same group ID exceeded 32. Make sure of the specified group ID number. |
| 508003e | DMER08003E: The specified P-VOL/S-VOL is not specified to be grouped(Group ID suspension). Check the pair status of the LU. |
| 508003f | DMER08003F: A pair that is in a status other than Paired or Paired Internally Synchronizing is included in the specified group. Check the pair status of LU in the group. |
| 5080046 | DMER080046: The DM-LU is not set. Retry after setting the DM-LU. |
| 5080047 | DMER080047: The DM-LU was specified as P-VOL. Check the status of the LU. |
| 5080048 | DMER080048: The DM-LU was specified as S-VOL. Check the status of the LU. |
| 508004b | DMER08004B: The DM-LU is not set. Retry after setting the DM-LU. |
| 508004c | DMER08004C: The DM-LU was specified as P-VOL. Check the status of the LU. |
| 508004d | DMER08004D: The DM-LU was specified as S-VOL. Check the status of the LU. |
| 508004e | DMER08004E: Validity of the license expired. Purchase the license. |
| 508004f | DMER08004F: Validity of the license expired. Purchase the license. |
| 5080050 | DMER080050: An LU, for which a change of the cache partition(s) had been reserved, was specified as a P-VOL. Check the status of the LU. |
| 5080051 | DMER080051: An LU, for which a change of the cache partition(s) had been reserved, was specified as a S-VOL. Check the status of the LU. |
| 5080052 | DMER080052: An LU, for which a change of the cache partition(s) had been reserved, was specified as a P-VOL. Check the status of the LU. |
| 5080053 | DMER080053: An LU, for which a change of the cache partition(s) had been reserved, was specified as a S-VOL. Check the status of the LU. |
| 508005e | DMER08005E: The specified P-VOL is a Remote Replication pair. Check the status of the LU. |
| 508005f | DMER08005F: The specified S-VOL is a Remote Replication pair. Check the status of the LU. |
| 5080060 | DMER080060: The specified P-VOL is a Remote Replication pair. Check the status of the LU. |
| 5080061 | DMER080061: The specified S-VOL is a Remote Replication pair. Check the status of the LU. |

| Error Code | Description |
|---|---|
| 5080064 | DMER080064: The specified MU# is used within the specified P-VOL. Check the specified MU number. |
| 5080065 | DMER080065: One or more volumes of Paired/Synchronizing/Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU. |
| 5080066 | DMER080066: One or more volumes of special Failure are under the specified P-VOL. Check the pair status of the LU. |
| 5080067 | DMER080067: One or more Failure pairs that are not readable/writable (Failure transition due to a failure during restoration) under the specified P-VOL. Check the pair status of the LU. |
| 5080068 | DMER080068: The group ID overlaps within the specified P-VOL at the time of creating the pair of which the group is specified. Make sure of the specified group ID number. |
| 5080069 | DMER080069: The pair attribute of the specified P-VOL is not a P-VOL or the pair attribute of the specified S-VOL is not a S-VOL. Check the pair attribute of the LU. |
| 508006a | DMER08006A: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number. |
| 508006b | DMER08006B: One or more volumes of Paired/Synchronizing/Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU. |
| 508006c | DMER08006C: One or more Failure pairs that are not readable/writable (Failure transition due to a failure during the restoration) under the specified P-VOL. Check the pair status of the LU. |
| 508006d | DMER08006D: The pair attribute of the specified P-VOL is not a P-VOL or the pair attribute of the specified S-VOL is not a S-VOL. Check the pair attribute of the LU. |
| 508006e | DMER08006E: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number. |
| 508006f | DMER08006F: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number. |
| 5080070 | DMER080070: The specified MU# is used within the specified P-VOL. Check the specified MU number. |
| 5080071 | DMER080071: One or more volumes of Paired/Synchronizing/Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU. |
| 5080072 | DMER080072: One or more volumes of special Failure are under the specified P-VOL. Check the pair status of the LU. |
| 5080073 | DMER080073: One or more Failure pairs that are not readable/writable (Failure transition due to a failure during the restoration) under the specified P-VOL. Check the pair status of the LU. |
| 5080074 | DMER080074: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number. |
| 5080075 | DMER080075: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 5080077 | DMER080077: The specified P-VOL is the reserved LU. Check the status of the LU. |
| 5080078 | DMER080078: The specified S-VOL is the reserved LU. Check the status of the LU. |
| 5080079 | DMER080079: The specified S-VOL is undergoing the migration and its status is Split or Failure. Check the pair status of the LU. |
| 5080080 | DMER080080: The specified S-VOL is undergoing the migration and its status is Synchronizing or Split. Check the pair status of the LU. |

| Error Code | Description |
|---|---|
| 5080081 | DMER080081: The specified P-VOL is the reserved LU. Check the pair status of the LU. |
| 5080082 | DMER080082: The specified S-VOL is the reserved LU. Check the pair status of the LU. |
| 5080083 | DMER080083: The specified S-VOL is undergoing the migration and its status is Synchronizing. Check the pair status of the LU. |
| 5080084 | DMER080084: The specified volume is undergoing the migration. Check the pair status of the LU. |
| 5080085 | DMER080085: The specified P-VOL is undergoing the migration. Check the pair status of the LU. |
| 5080086 | DMER080086: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 5080087 | DMER080087: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group. |
| 5080088 | DMER080088: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 5080089 | DMER080089: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group. |
| 508008a | DMER08008A: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 508008b | DMER08008B: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group. |
| 508008c | DMER08008C: When creating a pair specifying a group ID, the specified group ID is already used for a SnapShot pair. Check the specified group ID. |
| 508008d | DMER08008D: The S-VOL is a volume of Remote Replication and in a status other than Split and Failure. Check the status of the Remote Replication pair. |
| 508008e | DMER08008E: The S-VOL is a volume of another Remote Replication pair. Check the status of the Remote Replication pair. |
| 508008f | DMER08008F: An unsupported command option was received. Check the specified value. |
| 5080090 | DMER080090: The specified P-VOL has been set to a ShadowImage S-VOL. Check the status of the LU. |
| 5080091 | DMER080091: The specified P-VOL has been set to a ShadowImage S-VOL. Check the status of the LU. |
| 5080092 | DMER080092: The Migration status is other than unexecuted. Check the Migration status. |
| 5080093 | DMER080093: The Migration status is other than unexecuted. Check the Migration status. |
| 5080094 | DMER080094: The Migration status is other than unexecuted. Check the Migration status. |
| 5080095 | DMER080095: The Migration status is other than unexecuted. Check the Migration status. |
| 5080096 | DMER080096: The Migration status is other than unexecuted. Check the Migration status. |
| 5080097 | DMER080097: The Migration status is other than unexecuted. Check the Migration status. |

| Error Code | Description |
|---|---|
| 5080098 | DMER080098: An invalid array ID is received when INQUIRY serial number conversion mode is on in the host group where a command device is mapped. Check the type of the remote array. |
| 5080099 | DMER080099: An invalid array ID is received when INQUIRY serial number conversion mode is on in the host group where a command device is mapped. Check the type of the remote array. |
| 508009a | DMER08009A: The Migration status is other than unexecuted. Check the Migration status. |
| 508009b | DMER08009B: One or more volumes of Split Pending/Paired Internally Synchronizing are under the specified P-VOL. Check the pair status of the LU. |
| 508009c | DMER08009C: The S-VOL of the specified pair is a part of another Remote Replication pair. Check the status of the Remote Replication pair. |
| 508009d | DMER08009D: One or more volumes of Split Pending/Paired Internally Synchronizing are under the specified P-VOL. Check the pair status of the LU. |
| 508009e | DMER08009E: The specified pair is in the Split Pending status. Retry after the status becomes Split. |
| 508009f | DMER08009F: A pair in the Failure (S-VOL Switch) status received an instruction to resynchronize with Quick mode. Request that service personnel to replace the drives that compose the P-VOL. Format them after the replacement then resynchronize them. |
| 50800a0 | DMER0800A0: One or more Failure pairs that are not readable/writable under the specified P-VOL. Check the pair status of the LU. |
| 50800a1 | DMER0800A1: The capacity is beyond the limits of support. Split the unnecessary pairs. |
| 50800a2 | DMER0800A2: The S-VOL of the specified pair is a part of another Remote Replication pair. Check the status of the Remote Replication pair. |
| 50800a3 | DMER0800A3: The P-VOL or the S-VOL has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity. |
| 50800a4 | DMER0800A4: The S-VOL is undergoing the forced restoration by means of parity. Retry after making the restoration by means of parity. |
| 50800a5 | DMER0800A5: The disk drives that configure a RAID group to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 50800a6 | DMER0800A6: The disk drives that configure a RAID group to which the specified S-VOL belongs have been spun down. Check the status of the RAID group. |
| 50800a7 | DMER0800A7: A pair that is in a status other than Paired, Paired Internally Synchronizing or Synchronizing is included in the specified group. Check the pair status of LU in the group. |
| 50800a8 | DMER0800A8: A pair that shares the P-VOL with another pair that is in Failure status that are not readable/writable is included in the specified group. Check the pair status of LU in the group. |
| 50800a9 | DMER0800A9: The capacity is beyond the limits of support. Split the unnecessary pairs. |
| 50800aa | DMER0800AA: A pair that the S-VOL has been cascaded with a Remote Replication pair is included in the specified group. Check the status of the Remote Replication pair. |
| 50800ab | DMER0800AB: A pair that the P-VOL or the S-VOL has not undergone the forced restoration by means of parity is included in the specified group. Retry after making the restoration by means of parity. |

| Error Code | Description |
|---|---|
| 50800ac | DMER0800AC: A pair that the S-VOL is undergoing the forced restoration by means of parity is included in the specified group. Retry after making the restoration by means of parity. |
| 50800ad | DMER0800AD: A pair that the P-VOL belongs a RAID group configured by the disk drives that have been spun down is in the specified group. Check the status of the RAID group. |
| 50800ae | DMER0800AE: A pair that the S-VOL belongs a RAID group configured by the disk drives that have been spun down is in the specified group. Check the status of the RAID group. |
| 50800af | DMER0800AF: One or more volumes of Split Pending/Paired Internally Synchronizing are under the specified P-VOL. Check the pair status of the LU. |
| 50800b0 | DMER0800B0: The P-VOL or the S-VOL of the specified pair is a volume of another Remote Replication pair. Check the status of the Remote Replication pair. |
| 50800b1 | DMER0800B1: The specified pair is in the Split Pending status. Check the pair status of the LU. |
| 50800b2 | DMER0800B2: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 50800b3 | DMER0800B3: An LU that belongs to the RAID group that indicates a status other than Normal is included in the specified group. Retry after the RAID group status becomes Normal. |
| 50800b4 | DMER0800B4: The specified pair is in a status other than Split and Failure. Check the pair status. |
| 50800b5 | DMER0800B5: The LU that was specified as P-VOL does not exist. Check the specified LUN. |
| 50800b6 | DMER0800B6: The LU that was specified as P-VOL does not exist. Check the specified LUN. |
| 50800b7 | DMER0800B7: The LU that was specified as S-VOL does not exist. Check the specified LUN. |
| 50800b8 | DMER0800B8: The LU that was specified as S-VOL does not exist. Check the specified LUN. |
| 50800b9 | DMER0800B9: DP pool is insufficient. Confirm the capacity of DP pool. |
| 50800ba | DMER0800BA: DP pool is insufficient. Confirm the capacity of DP pool. |
| 50800bb | DMER0800BB: DP pool is insufficient. Confirm the capacity of DP pool. |
| 50800bc | DMER0800BC: DP pool is insufficient. Confirm the capacity of DP pool. |
| 50800bd | DMER0800BD: The specified P-VOL is a volume of Remote Replication pair and the specified S-VOL is an LU created in DP pool. Specify an LU other than the LU created in DP pool to S-VOL. |
| 50800be | DMER0800BE: The specified P-VOL is a volume of Remote Replication pair and the specified S-VOL is an LU created in DP pool. Specify an LU other than the LU created in DP pool to S-VOL. |
| 50800bf | DMER0800BF: The specified S-VOL is an LU created in DP pool and the specified P-VOL already has a pair whose S-VOL is a part of remote replication pair. Retry after deleting the remote replication pair. |
| 50800c0 | DMER0800C0: The specified S-VOL is an LU created in DP pool and the specified P-VOL already has a pair whose S-VOL is a part of remote replication pair. Retry after deleting the remote replication pair. |

| Error Code | Description |
|---|---|
| 50800c1 | DMER0800C1: The DP optimization status of the specified P-VOL is not Normal. Check the DP optimization status of the P-VOL. |
| 50800c2 | DMER0800C2: The DP optimization status of the specified S-VOL is not Normal. Check the DP optimization status of the S-VOL. |
| 50800c3 | DMER0800C3: The DP optimization status of the specified P-VOL is not Normal. Check the DP optimization status of the P-VOL. |
| 50800c4 | DMER0800C4: The DP optimization status of the specified S-VOL is not Normal. Check the DP optimization status of the S-VOL. |
| 50800c5 | DMER0800C5: Management information regarding DP is being updated. Retry after waiting for a while. |
| 50800c6 | DMER0800C6: Management information regarding DP is being updated. Retry after waiting for a while. |
| 50800c7 | DMER0800C7: Management information regarding DP is being updated. Retry after waiting for a while. |
| 50800c8 | DMER0800C8: Management information regarding DP is being updated. Retry after waiting for a while. |
| 50800c9 | DMER0800C9: The specified P-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool. |
| 50800ca | DMER0800CA: The specified P-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool. |
| 50800cb | DMER0800CB: The specified S-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool. |
| 50800cc | DMER0800CC: The specified P-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool. |
| 5090001 | DMER090001: The specified P-VOL is normal or other than regressed. Check the status of the LU. |
| 5090002 | DMER090002: The specified P-VOL has been set to the current Cache Residency LU. Check the attribute of the LU. |
| 5090003 | DMER090003: The specified P-VOL has been set to the reserved Cache Residency LU. Check the attribute of the LU. |
| 5090004 | DMER090004: The specified P-VOL has been defined to the command device. Check the attribute of the LU. |
| 5090005 | DMER090005: The accepted sequence number is different from the Array ID. Check the Array ID. |
| 5090006 | DMER090006: Both of the two paths are abnormal. Check the status of the path. |
| 5090007 | DMER090007: The specified P-VOL is a Sub LU of a unified LU. Check the attribute of the LU. |
| 5090009 | DMER090009: The status of the Remote Replication pair of the specified P-VOL is other than Simplex. Check the pair status of the LU. |
| 509000a | DMER09000A: The specified P-VOL is a ShadowImage pair. Check the attribute of the LU. |
| 509000b | DMER09000B: The specified P-VOL is a SnapShot V-VOL. Check the attribute of the LU. |
| 509000c | DMER09000C: The group ID is beyond the limits of support. Check the group ID. |
| 509000d | DMER09000D: The pair status of the specified P-VOL is other than Split or Failure. Check the pair status of the LU. |

| Error Code | Description |
|---|---|
| 509000e | DMER09000E: The specified P-VOL status is normal or other than regressed. Check the status of the LU. |
| 509000f | DMER09000F: The specified S-VOL is not a pair target LUN. Check the LUN of the S-VOL. |
| 5090010 | DMER090010: The accepted sequence number is different from the Array ID. Check the Array ID. |
| 5090011 | DMER090011: Both of the two paths are abnormal. Check the status of the path. |
| 5090012 | DMER090012: When the unit of pair is specified, the pair status of the specified P-VOL is other than Synchronizing and Paired. Check the pair status of the LU. |
| 5090013 | DMER090013: The capacity is beyond the limits of support. Split the unnecessary pairs. |
| 5090014 | DMER090014: The accepted sequence number is different from the Array ID. Check the Array ID. |
| 5090015 | DMER090015: The process is in progress. Retry after waiting for a while. |
| 5090016 | DMER090016: When the unit of pair is specified, the specified S-VOL is not a pair target LUN. Check the LUN of the specified S-VOL. |
| 5090017 | DMER090017: The accepted sequence number is different from the Array ID. Check the Array ID. |
| 5090018 | DMER090018: The S-VOL pair cancellation instructions was issued to the P-VOL or pair cancellation instructions was issued to the S-VOL. Check the pair attribute of the LU. |
| 5090019 | DMER090019: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while. |
| 5090020 | DMER090020: The pool LU is not defined. Define the pool LU and retry. |
| 5090021 | DMER090021: The specified fence level is STATUS. Make sure of the specified fence level. |
| 5090022 | DMER090022: The capacity is beyond the limits of support. Split the unnecessary pairs. |
| 5090023 | DMER090023: The internal pair status of the specified P-VOL is [under pair deletion]. Check the pair status of the LU. |
| 5090025 | DMER090025: The forced blockade of a P-VOL was accepted. The forced blockade of a P-VOL is not supported. |
| 5090026 | DMER090026: The type of the side file release is other than ordinary splitting. Check the specified value. |
| 5090027 | DMER090027: The S-VOL received an instruction. Check the pair attribute of the LU. |
| 5090029 | DMER090029: The S-VOL received an instruction. Check the pair attribute of the LU. |
| 509002a | DMER09002A: The P-VOL received an instruction. Check the pair attribute of the LU. |
| 509002b | DMER09002B: When the unit of pair is specified, the pair status of the specified S-VOL is Simplex or Synchronizing. Check the pair status of the LU. |
| 509002c | DMER09002C: The accepted sequence number is different from the Array ID. Check the Array ID. |
| 509002d | DMER09002D: The specified MU number is beyond the limits (0 to13) of support. Check the specified MU number. |
| 5090030 | DMER090030: The S-VOL received an instruction. Check the pair attribute of the LU. |

| Error Code | Description |
|---|---|
| 5090032 | DMER090032: The RAID group, to which the specified P-VOL belongs, is RAID 0. Check the RAID level of the specified LU. |
| 5090036 | DMER090036: The specified P-VOL is a SnapShot P-VOL and it is being restored. Check the pair status of the SnapShot. |
| 5090037 | DMER090037: The specified P-VOL is a SnapShot P-VOL and its status was changed to Failure during restoration. Check the pair status of the SnapShot. |
| 5090038 | DMER090038: There is no vacancy in the generation bits. Retry after waiting for a while. |
| 5090039 | DMER090039: There is one or more pair(s) in the status of [under execution of remote SnapShot split] in the target group. Check the pair status of each LU in the target group. It is required to wait until the process is completed. |
| 509003a | DMER09003A: There is one or more pair(s) in the status of [under pair splitting] in the target group. Check the pair status of each LU in the target group. It is required to wait until the process is completed. |
| 509003c | DMER09003C: There is one or more pair(s) in the status of [under pair deletion] in the target group. Check the pair status of each LU in the target group. It is required to wait until the process is completed. |
| 509003d | DMER09003D: The specified P-VOL is a SnapShot P-VOL and it is being restored. Check the pair status of the SnapShot. |
| 509003e | DMER09003E: The specified P-VOL is a SnapShot P-VOL and its status was changed to Failure during restoration. Check the pair status of the SnapShot. |
| 509003f | DMER09003F: There is no pair, which is in the Paired status, in the target group. Check the pair status of each LU in the target group. |
| 5090042 | DMER090042: When the unit of pair is specified, the pair status of the specified pair is Split (no reading/writing allowed). Check the pair status. |
| 5090044 | DMER090044: When the unit of group is specified, there is one or more pair(s) placed in the Split status (no reading/writing allowed) in the group. Check the pair status of each LU in the target group. |
| 5090045 | DMER090045: When the unit of group is specified, there is no pair that is in the Paired, Split, or Failure status in the group. Check the pair status of each LU in the target group. |
| 5090046 | DMER090046: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under pair splitting]. Check the pair status of the LU. It is required to wait until the process is completed. |
| 5090047 | DMER090047: The specified P-VOL has the incomplete DDCB. Check the status of the LU. |
| 5090048 | DMER090048: The specified P-VOL has unwritten data. Contact the service personnel. |
| 5090049 | DMER090049: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under pair deletion]. Check the pair status of the LU. It is required to wait until the process is completed. |
| 509004b | DMER09004B: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under execution of remote SnapShot split]. Check the pair status of the LU. It is required to wait until the process is completed. |
| 509004c | DMER09004C: When the unit of group is specified, there is one or more pair(s) that is in the status of [under pair splitting] in the group. Check the pair status of each LU in the target group. |
| 509004d | DMER09004D: The DM-LU is not defined. Define the DM-LU. |

| Error Code | Description |
|---|---|
| 509004e | DMER09004E: The specified P-VOL has been set to the DM-LU. Check the attribute of the LU. |
| 509004f | DMER09004F: Validity of the license expired. Purchase the license. |
| 5090050 | DMER090050: When the unit of group is specified, there is one or more pair(s) that is in the status of [under pair deletion] in the group. Check the pair status of each LU in the target group. |
| 5090052 | DMER090052: When the unit of group is specified, there is one or more pair(s) that is in the status of [under execution of remote SnapShot split] in the group. Check the pair status of each LU in the target group. |
| 5090053 | DMER090053: When the unit of group is specified, there is no pair, which is in the Synchronizing or Paired status, in the target group. Check the pair status of each LU in the target group. |
| 5090054 | DMER090054: The pair cancellation instructions was executed for the range that was not supported. Check the specified value. |
| 5090055 | DMER090055: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under pair splitting]. Check the pair status of the LU. It is required to wait until the process is completed. |
| 5090057 | DMER090057: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under execution of remote SnapShot split]. Check the pair status of the LU. It is required to wait until the process is completed. |
| 5090059 | DMER090059: When the unit of pair is specified, the internal status of the pair of the specified S-VOL is Busy. Check the pair status of the LU. |
| 509005a | DMER09005A: When the unit of group is specified, there is one or more pair(s) that is in the status of [under pair splitting] in the group. Check the pair status of each LU in the target group. |
| 509005c | DMER09005C: When the unit of group is specified, there is one or more pair(s) that is in the status of [under execution of remote SnapShot split] in the group. Check the pair status of each LU in the target group. |
| 509005e | DMER09005E: When the unit of group is specified, there is one or more pair(s) placed in the Busy status in the group. Check the pair status of each LU in the target group. |
| 5090068 | DMER090068: There is the S-VOL pair whose direction is not correct in the indicated group. Check the group ID. |
| 5090069 | DMER090069: The partition to which the LU belongs is being changed to the other directory. Retry after waiting for a while. |
| 509006b | DMER09006B: There is no pair, which is in the Paired status, in the target group. Check the pair status of each LU in the target group. |
| 509006c | DMER09006C: The subsystem has not been rebooted after the Remote Replication option was unlocked. Reboot the subsystem. |
| 509006d | DMER09006D: The specified P-VOL is a unified LU including an LU with a capacity less than 1 GB. Check the attribute of the LU. |
| 509006e | DMER09006E: The specified P-VOL is the pool LU. Check the attribute of the LU. |
| 509006f | DMER09006F: The pool LU status is normal or other than regressed. Check the status of the pool LU. |
| 5090070 | DMER090070: The pool LU is undergoing the forced parity correction. Check the status of the pool LU. |
| 5090071 | DMER090071: It is exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Delete unnecessary pairs. |

| Error Code | Description |
|---|---|
| 5090072 | DMER090072: The remote SnapShot split request was accepted. Check the firmware version. |
| 5090073 | DMER090073: The pair status of the specified S-VOL does not allow you to create a pair. Check the pair status of the specified S-VOL on both local and remote arrays. |
| 5090074 | DMER090074: The suspension command was accepted with a specification of the unit of pair. The specification of the unit of pair is not supported. |
| 5090075 | DMER090075: The specified P-VOL is a unified LU whose component LUs include an LU for which the format operation is being performed. Check the attribute of the LU. |
| 5090076 | DMER090076: The specified P-VOL is being formatted. Check the attribute of the LU. |
| 5090077 | DMER090077: The state of the forced parity correction for the specified P-VOL is Uncorrected or Uncorrected 2. Check the status of the LU. |
| 5090078 | DMER090078: The specified P-VOL has not undergone the forced parity correction. Retry it after executing the forced parity correction. |
| 509007b | DMER09007B: There is one or more pair(s) in the status of Split or Failure of [under pair deletion] in the target group. Check the pair status of the LU. It is required to wait until the process is completed. |
| 509007c | DMER09007C: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while. |
| 509007d | DMER09007D: The pool LU status is normal or other than regressed. Check the status of the pool LU. |
| 509007e | DMER09007E: The pool LU is undergoing the forced parity correction. Retry after waiting for a while. |
| 509007f | DMER09007F: There is one or more P-VOL(s), the status of the forced parity correction for which is Uncorrected or Uncorrected 2, in the target group. Check the status of each LU in the target group. |
| 5090080 | DMER090080: There is one or more P-VOL(s), status is normal or other than regressed, in the target group. Check the status of each LU in the target group. |
| 5090081 | DMER090081: There is one or more Remote Replication P-VOL(s), which is cascaded with a SnapShot P-VOL being restored, in the target group. Check the status of each LU in the target group. |
| 5090082 | DMER090082: There is one or more Remote Replication P-VOL(s), which is cascaded with a SnapShot P-VOL that was placed in the Failure status during restoration, in the target group. Check the status of each LU in the target group. |
| 5090083 | DMER090083: There is no pair, which is in the Split or Failure status, in the target group. Check the pair status of each LU in the target group. |
| 5090084 | DMER090084: When a pair is created in the new group, the cycle time that has been set is less than [30 x number of groups] seconds. Check the cycle time that has been set. |
| 5090085 | DMER090085: When the unit of pair is specified, the S-VOL of the target pair has not completed the resynchronization after it accepted the resynchronization command. Check the Remote Replication pair status of the remote array. |
| 5090086 | DMER090086: When the unit of group is specified, there is one or more S-VOL(s), which has not completed the resynchronization after it accepted the resynchronization command, in the target group. Check the Remote Replication pair status of the remote array. |
| 5090087 | DMER090087: There are one or more pairs in the status of [under pair splitting] or [under pair competing] in the group. Retry after waiting for a while. |
| 5090088 | DMER090088: The specified P-VOL is the reserved LU. Check the status of the LU. |

| Error Code | Description |
|---|---|
| 5090089 | DMER090089: The specified P-VOL is undergoing the migration. Check the pair status of the LU. |
| 509008a | DMER09008A: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 509008b | DMER09008B: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 509008c | DMER09008C: There are one or more Remote Replication P-VOLs corresponding to a RAID group that belongs to the group concerned and the disk drives that configure the RAID group have been spun down. Check the status of the RAID group. |
| 509008d | DMER09008D: The primary pool ID is beyond the limits of supported. Check the pool ID. |
| 509008e | DMER09008E: The secondary pool ID is beyond the limits of supported. Check the pool ID. |
| 509008f | DMER09008F: The specified pool ID differs from the pool ID in use. Check the pool ID. |
| 5090090 | DMER090090: Swap pair has been issued to the Remote Replication pair with AMS500 or AMS1000. The swap command is not supported in this configuration. |
| 5090091 | DMER090091: The Swap operation was received in the P-VOL. Check the pair attribute of the LU. |
| 5090092 | DMER090092: The Swap operation was received by specifying the pair unit. Please confirm the operation and try again. |
| 5090093 | DMER090093: The LU whose pair status is not Takeover exists in the target group. Check the pair status of each LU in the target group. |
| 5090094 | DMER090094: The LU whose pair status is Busy exists in the target group. Check the pair status of each LU in the target group. |
| 5090095 | DMER090095: There is a pair that is a status of Takeover and also deleted just in the Local Array in the group. Delete the pair, that is a status of Takeover in the group, not only in the Local Array but also in the Remote Array. Then execute again. |
| 5090096 | DMER090096: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while. |
| 5090097 | DMER090097: The pool LU status is normal or other than regressed. Check the status of the pool LU. |
| 5090098 | DMER090098: The pool LU is undergoing the forced parity correction. Check the status of the pool LU. |
| 5090099 | DMER090099: There is one or more S-VOL(s), the status of the forced parity correction for which is Uncorrected or Uncorrected 2, in the target group. Check the status of each LU in the target group. |
| 509009a | DMER09009A: There is one or more S-VOL(s), status is normal or other than regressed, in the target group. Check the status of each LU in the target group. |
| 509009b | DMER09009B: There is one or more Remote Replication S-VOL(s), which is cascaded with a SnapShot P-VOL being restored, in the target group. Check the status of each LU in the target group. |
| 509009c | DMER09009C: There is one or more Remote Replication S-VOL(s), which is cascaded with a SnapShot P-VOL that was placed in the Failure status during restoration, in the target group. Check the status of each LU in the target group. |
| 509009d | DMER09009D: There exists an S-VOL of a Remote Replication pair, the RAID group which belongs to is in Power Saving mode. Check the status of LUs in the group. |

| Error Code | Description |
|---|---|
| 509009e | DMER09009E: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 509009f | DMER09009F: The specified secondary sequence number does not match with the remote side subsystem serial number. Check the specified command device number. |
| 50900a0 | DMER0900A0: The command cannot execute because the Auto Migration is undergoing. Check the Migration status. |
| 50900a1 | DMER0900A1: The command cannot execute because the Auto Migration is undergoing. Check the Migration status. |
| 50900a2 | DMER0900A2: The command cannot execute because the Auto Migration is undergoing. Check the Migration status. |
| 50900a3 | DMER0900A3: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 50900a4 | DMER0900A4: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is specified when the pair operation or used by specified pair. Retry after the RAID group status becomes Normal. |
| 50900a5 | DMER0900A5: An LU that belongs to the RAID group that indicates a status other than Normal is included in the group to which the specified pair belongs. Retry after the RAID group status becomes Normal. |
| 50900a6 | DMER0900A6: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is used by pairs that belong to the same group as the specified pair. Retry after the RAID group status becomes Normal. |
| 50900a7 | DMER0900A7: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool. |
| 50900a8 | DMER0900A8: The LU that was specified as P-VOL does not exist. Check the specified LUN. |
| 50a0001 | DMER0A0001: The Volume Migration optional feature is invalid. Install the Volume Migration optional feature. |
| 50a0002 | DMER0A0002: The temporary key of the Volume Migration was expired. Purchase the license. |
| 50a0003 | DMER0A0003: The status of the specified P-VOL is other than normal and regressive. Check the status of the LU. |
| 50a0004 | DMER0A0004: The status of the specified S-VOL is other than normal and regressive. Check the status of the LU. |
| 50a0005 | DMER0A0005: The status of the parity correction of the specified P-VOL is Uncorrected or Uncorrected 2. Skip the parity correction or execute the parity correction, and wait for the completion of the correction. Re-execute it after performing the operation. |
| 50a0006 | DMER0A0006: The status of the parity correction of the specified S-VOL is correcting, waiting correction, Uncorrected, or Uncorrected 2. Skip the parity correction or execute the parity correction, and wait for the completion of the correction. Re-execute it after performing the operation. |
| 50a0007 | DMER0A0007: The specified P-VOL has created a Volume Migration pair. Check the pair status of the LU. |
| 50a0008 | DMER0A0008: The specified S-VOL has created a Volume Migration pair. Check the pair status of the LU. |
| 50a0009 | DMER0A0009: The specified P-VOL has created a ShadowImage pair. Check the pair status of the LU. |

| Error Code | Description |
|---|---|
| 50a000a | DMER0A000A: The specified S-VOL has created a ShadowImage pair. Check the pair status of the LU. |
| 50a000b | DMER0A000B: The specified P-VOL is a command device. Check the status of the LU. |
| 50a000c | DMER0A000C: The specified S-VOL is a command device. Check the status of the LU. |
| 50a000d | DMER0A000D: The specified P-VOL has created a Remote Replication pair. Check the pair status of the LU. |
| 50a000e | DMER0A000E: The specified S-VOL has created a Remote Replication pair. Check the pair status of the LU. |
| 50a000f | DMER0A000F: The specified P-VOL has created a Remote Replication pair. Check the pair status of the LU. |
| 50a0010 | DMER0A0010: The specified S-VOL has created a Remote Replication pair. Check the pair status of the LU. |
| 50a0011 | DMER0A0011: The P-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 50a0012 | DMER0A0012: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 50a0013 | DMER0A0013: The specified P-VOL has created a SnapShot pair. Check the pair status of the LU. |
| 50a0014 | DMER0A0014: The specified S-VOL has created a SnapShot pair. Check the pair status of the LU. |
| 50a0015 | DMER0A0015: The specified P-VOL is the pool LU. Check the pair status of the LU. |
| 50a0016 | DMER0A0016: The specified S-VOL is the pool LU. Check the pair status of the LU. |
| 50a0017 | DMER0A0017: The specified P-VOL is being formatted. Retry after the formatting is completed. |
| 50a0018 | DMER0A0018: The specified S-VOL is being formatted. Retry after the formatting is completed. |
| 50a0019 | DMER0A0019: The specified P-VOL is the DM-LU. Check the status of the LU. |
| 50a001a | DMER0A001A: The specified S-VOL is the DM-LU. Check the status of the LU. |
| 50a001b | DMER0A001B: The DM-LU is not set. Retry after setting the DM-LU. |
| 50a001c | DMER0A001C: The specified P-VOL has unwritten data. Check the status of the LU. |
| 50a001d | DMER0A001D: The pair cannot be allocated the differential bit map. Split the unnecessary pairs. |
| 50a001e | DMER0A001E: The specified P-VOL is a SubLU of a unified LU. Check the status of the LU. |
| 50a001f | DMER0A001F: The specified S-VOL is a SubLU of a unified LU. Check the status of the LU. |
| 50a0020 | DMER0A0020: The size of the specified P-VOL and the S-VOL are not the same. Specify an LU that the same size. |
| 50a0021 | DMER0A0021: The DIRs in charge of the specified P-VOL and the S-VOL are not the same. Specify an LU that belongs to the same DIR. |
| 50a0022 | DMER0A0022: The LUNs of the specified P-VOL and S-VOL are the same. Check the specified LUN. |

| Error Code | Description |
|---|---|
| 50a0023 | DMER0A0023: There exist maximum number of pairs already (included ShadowImage pairs). Split the unnecessary pairs. |
| 50a0024 | DMER0A0024: The specified P-VOL is the LU, for which a change of the cache partition(s) had been reserved. Retry after releasing the reserved status. |
| 50a0025 | DMER0A0025: The specified S-VOL is the LU, for which a change of the cache partition(s) had been reserved. Retry after releasing the reserved status. |
| 50a0026 | DMER0A0026: The RAID group of the specified P-VOL and S-VOL are the same. Specify a different RAID group. |
| 50a0027 | DMER0A0027: The specified P-VOL is the reserved LU. Check the status of the LU. |
| 50a0028 | DMER0A0028: The specified S-VOL is the reserved LU. Check the status of the LU. |
| 50a0029 | DMER0A0029: The access level of the specified S-VOL is other than the ordinary one. Check the access revel of the LU. |
| 50a002c | DMER0A002C: The specified MU number is 8 or higher. Make sure of the specified MU number. |
| 50a002d | DMER0A002D: The specified primary port number is beyond the limits of support. Check the specified primary port number. |
| 50a002e | DMER0A002E: The specified secondary port number is beyond the limits of support. Check the specified secondary port number. |
| 50a002f | DMER0A002F: The specified primary sequence number is different from the own Array ID. Check the specified primary sequence number. |
| 50a0030 | DMER0A0030: The specified secondary sequence number is different from the own Array ID. Check the specified secondary sequence number. |
| 50a0031 | DMER0A0031: The pair concerned is the one that the instruction to start the migration was issued by Navigator etc. Check the owner ID of the specified pair. |
| 50a0032 | DMER0A0032: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group. |
| 50a0033 | DMER0A0033: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group. |
| 50a0034 | DMER0A0034: The Migration status is [data is being copied], [data copy fails], or [data copy is completed]. Check the Migration status. |
| 50a0035 | DMER0A0035: The Migration status is [access path is being switched] or [access path switching fails]. Check the Migration status. |
| 50a0036 | DMER0A0036: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 5810001 | DMER810001: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5810002 | DMER810002: The process is in progress. Retry after waiting for a while. |
| 5810003 | DMER810003: The process is in progress. Retry after waiting for a while. |
| 5810004 | DMER810004: The process is in progress. Retry after waiting for a while. |
| 581000a | DMER81000A: The remote array is receiving a command. Retry after waiting for a while. |
| 581000f | DMER81000F: The path of the remote array was detached. Check the status of the path. |
| 581002c | DMER81002C: The process is in progress. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 581002d | DMER81002D: The S-VOL of the remote array is being formatted. Retry after waiting for a while. |
| 581002e | DMER81002E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581002f | DMER81002F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5810030 | DMER810030: The S-VOL is undefined. Check the attribute of the LU. |
| 5810031 | DMER810031: The WWN of the remote array is illegal. Check the equipment WWN. |
| 5810033 | DMER810033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5810034 | DMER810034: A command error occurred. Retry after waiting for a while. |
| 5810035 | DMER810035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 5810036 | DMER810036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the LU that will be S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal. |
| 5810037 | DMER810037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number. |
| 5810038 | DMER810038: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5810039 | DMER810039: The process is in progress. Retry after waiting for a while. |
| 581003a | DMER81003A: The remote array is busy. Retry after waiting for a while. |
| 581003e | DMER81003E: The S-VOL command is receiving a command. Retry after waiting. |
| 5810042 | DMER810042: The capacity is beyond the limits of support. Eliminate unnecessary pairs of the remote array. |
| 5810058 | DMER810058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel. |
| 5810060 | DMER810060: The path of the local subsystem is abnormal. Check the status of the path. |
| 5810061 | DMER810061: The path of the local subsystem is abnormal. Check the status of the path. |
| 5810062 | DMER810062: The path of the local subsystem is abnormal. Check the status of the path. |
| 5810063 | DMER810063: The path of the local subsystem is abnormal. Check the status of the path. |
| 58100d4 | DMER8100D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem. |
| 58100d9 | DMER8100D9: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication and the status of the RAID group to which the target LU belongs. Retry after waiting the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 58100e0 | DMER8100E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |

| Error Code | Description |
|---|---|
| 58100e5 | DMER8100E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58100e8 | DMER8100E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array. |
| 5811001 | DMER811001: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5811002 | DMER811002: The process is in progress. Retry after waiting for a while. |
| 5811003 | DMER811003: The process is in progress. Retry after waiting for a while. |
| 5811004 | DMER811004: The process is in progress. Retry after waiting for a while. |
| 581100a | DMER81100A: The remote array is receiving a command. Retry after waiting for a while. |
| 581100f | DMER81100F: The path of the remote array was detached. Check the status of the path. |
| 581102c | DMER81102C: The process is in progress. Retry after waiting for a while. |
| 581102d | DMER81102D: The S-VOL of the remote array is being formatted. Retry after waiting for a while. |
| 581102e | DMER81102E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581102f | DMER81102F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5811030 | DMER811030: The S-VOL is undefined. Check the attribute of the LU. |
| 5811031 | DMER811031: The WWN of the remote array is illegal. Check the remote array WWN. |
| 5811033 | DMER811033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5811034 | DMER811034: A command error occurred. Retry after waiting for a while. |
| 5811035 | DMER811035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 5811036 | DMER811036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the LU that will be S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal. |
| 5811037 | DMER811037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number. |
| 5811038 | DMER811038: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5811039 | DMER811039: The process is in progress. Retry after waiting for a while. |
| 581103a | DMER81103A: The remote array is busy. Retry after waiting for a while. |
| 581103e | DMER81103E: The S-VOL command is receiving a command. Retry after waiting for a while. |
| 5811042 | DMER811042: The capacity is beyond the limits of support. Delete unnecessary pairs of the remote array. |
| 5811058 | DMER811058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel. |

| Error Code | Description |
|---|---|
| 58110d4 | DMER8110D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem. |
| 58110e0 | DMER8110E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58110e5 | DMER8110E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58110e8 | DMER8110E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array. |
| 5812001 | DMER812001: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5812002 | DMER812002: The process is in progress. Retry after waiting for a while. |
| 5812003 | DMER812003: The process is in progress. Retry after waiting for a while. |
| 5812004 | DMER812004: The process is in progress. Retry after waiting for a while. |
| 581200a | DMER81200A: The remote array is receiving a command. Retry after waiting for a while. |
| 581200f | DMER81200F: The path of the remote array was detached. Check the status of the path. |
| 581202c | DMER81202C: The process is in progress. Retry after waiting for a while. |
| 581202d | DMER81202D: The S-VOL of the remote array is being formatted. Retry after waiting for a while. |
| 581202e | DMER81202E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581202f | DMER81202F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5812030 | DMER812030: The S-VOL is undefined. Check the attribute of the LU. |
| 5812031 | DMER812031: The WWN of the remote array is illegal. Check the remote array WWN. |
| 5812033 | DMER812033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5812034 | DMER812034: A command error occurred. Retry after waiting for a while. |
| 5812035 | DMER812035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 5812036 | DMER812036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal. |
| 5812037 | DMER812037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number. |
| 5812038 | DMER812038: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5812039 | DMER812039: The process is in progress. Retry after waiting for a while. |
| 581203a | DMER81203A: The remote array is busy. Retry after waiting for a while. |
| 581203e | DMER81203E: The S-VOL command is receiving a command. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 58120d4 | DMER8120D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem. |
| 58120e0 | DMER8120E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58120e5 | DMER8120E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58120e8 | DMER8120E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array. |
| 5813001 | DMER813001: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5813002 | DMER813002: The process is in progress. Retry after waiting for a while. |
| 5813003 | DMER813003: The process is in progress. Retry after waiting for a while. |
| 5813004 | DMER813004: The process is in progress. Retry after waiting for a while. |
| 581300a | DMER81300A: The remote array is receiving a command. Retry after waiting for a while. |
| 581300f | DMER81300F: The path of the remote array was detached. Check the status of the path. |
| 581301e | DMER81301E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 581302c | DMER81302C: The process is in progress. Retry after waiting for a while. |
| 581302d | DMER81302D: The S-VOL of the remote array is being formatted. Retry after waiting for a while. |
| 581302e | DMER81302E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581302f | DMER81302F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5813030 | DMER813030: The S-VOL is undefined. Check the attribute of the LU. |
| 5813031 | DMER813031: The WWN of the remote array is illegal. Check the remote array WWN. |
| 5813033 | DMER813033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5813034 | DMER813034: A command error occurred. Retry after waiting for a while. |
| 5813035 | DMER813035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 5813036 | DMER813036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal. |
| 5813037 | DMER813037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number. |
| 5813038 | DMER813038: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5813039 | DMER813039: The process is in progress. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 581303a | DMER81103A: The remote array is busy. Retry after waiting for a while. |
| 581303e | DMER81303E: The S-VOL command is receiving a command. Retry after waiting for a while. |
| 58130d4 | DMER8130D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem. |
| 58130d9 | DMER8130D9: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication and the status of the RAID group to which the target LU belongs. Retry after waiting the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 58130de | DMER8130DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58130e0 | DMER8130E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58130e2 | DMER8130E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed. |
| 58130e3 | DMER8130E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58130e5 | DMER8130E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58130e8 | DMER8130E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array. |
| 5814001 | DMER814001: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5814002 | DMER814002: The process is in progress. Retry after waiting for a while. |
| 5814003 | DMER814003: The process is in progress. Retry after waiting for a while. |
| 5814004 | DMER814004: The process is in progress. Retry after waiting for a while. |
| 581400a | DMER81400A: The remote array is receiving a command. Retry after waiting for a while. |
| 581400f | DMER81400F: The path of the remote array was detached. Check the status of the path. |
| 581401e | DMER81401E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status |
| 581402c | DMER81402C: The process is in progress. Retry after waiting for a while. |
| 581402d | DMER81402D: The S-VOL of the remote array is being formatted. Retry after waiting for a while. |
| 581402e | DMER81402E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581402f | DMER81402F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5814030 | DMER814030: The S-VOL is undefined. Check the attribute of the LU. |
| 5814031 | DMER814031: The WWN of the remote array is illegal. Check the remote array WWN. |

| Error Code | Description |
|---|---|
| 5814033 | DMER814033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5814034 | DMER814034: A command error occurred. Retry after waiting for a while. |
| 5814035 | DMER814035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 5814036 | DMER814036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal. |
| 5814037 | DMER814037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number. |
| 5814038 | DMER814038: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5814039 | DMER814039: The process is in progress. Retry after waiting for a while. |
| 581403a | DMER81403A: The remote array is busy. Retry after waiting for a while. |
| 581403e | DMER81403E: The S-VOL command is receiving a command. Retry after waiting for a while. |
| 58140d4 | DMER8140D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem. |
| 58140d9 | DMER8140D9: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication and the status of the RAID group to which the target LU belongs. Retry af |
| 58140de | DMER8140DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58140e0 | DMER8140E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58140e2 | DMER8140E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed. |
| 58140e3 | DMER8140E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58140e5 | DMER8140E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58140e8 | DMER8140E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array. |
| 5815001 | DMER815001: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5815002 | DMER815002: The process is in progress. Retry after waiting for a while. |
| 5815003 | DMER815003: The process is in progress. Retry after waiting for a while. |
| 5815004 | DMER815004: The process is in progress. Retry after waiting for a while. |
| 581500a | DMER81500A: The remote array is receiving a command. Retry after waiting for a while. |
| 581500f | DMER81500F: The path of the remote array was detached. Check the status of the path. |
| 581502c | DMER81502C: The process is in progress. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 581502d | DMER81502D: The S-VOL of the remote array is being formatted. Retry after waiting for a while. |
| 581502e | DMER81502E: The remote arrayis undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581502f | DMER81502F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5815030 | DMER815030: The S-VOL is undefined. Check the attribute of the LU. |
| 5815031 | DMER815031: The WWN of the remote array is illegal. Check the remote array WWN. |
| 5815033 | DMER815033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5815034 | DMER815034: A command error occurred. Retry after waiting for a while. |
| 5815035 | DMER815035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 5815036 | DMER815036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal. |
| 5815037 | DMER815037: The remote array is busy. Retry after waiting for a while. |
| 5815038 | DMER815038: Both of the two paths of the remote array were detached. Check the status of the path. |
| 5815039 | DMER815039: The process is in progress. Retry after waiting for a while. |
| 581503a | DMER81503A: The remote array is busy. Retry after waiting for a while. |
| 581503e | DMER81503E: The S-VOL command is receiving a command. Retry after waiting for a while. |
| 58150d4 | DMER8150D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem. |
| 58150e0 | DMER8150E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58150e5 | DMER8150E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58150e8 | DMER8150E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array. |
| 5816022 | DMER816022: The process is in progress. Retry after waiting for a while. |
| 5816023 | DMER816023: The process is in progress. Retry after waiting for a while. |
| 5816024 | DMER816024: The process is in progress. Retry after waiting for a while. |
| 5816025 | DMER816025: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while. |
| 5816026 | DMER816026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5816027 | DMER816027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5816028 | DMER816028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again. |
| 5816029 | DMER816029: A command error occurred. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 581602a | DMER81602A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature. |
| 581602b | DMER81602B: Both of the two paths of the remote subsystem were detached. Check the status of the path. |
| 581602c | DMER81602C: The process is in progress. Retry after waiting for a while. |
| 581602d | DMER81602D: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while. |
| 581602e | DMER81602E: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581602f | DMER81602F: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5816030 | DMER816030: The S-VOL is undefined. Check the attribute of the LU. |
| 5816031 | DMER816031: The WWN of the remote subsystem is illegal. Check the remote subsystem WWN. |
| 5816032 | DMER816032: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again. |
| 5816033 | DMER816033: The remote subsystem is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5816035 | DMER816035: The optional feature of Remote Replication of the remote array is locked. Unlock and enable the optional feature. |
| 5816038 | DMER816038: Both of the two paths of the remote subsystem were detached. Check the status of the path. |
| 5816041 | DMER816041: The S-VOL of the remote subsystem is doing a duplicate writing. Retry after waiting for a while. |
| 5816042 | DMER816042: The capacity is beyond the limits of support. Delete unnecessary pairs of the remote subsystem. |
| 5816086 | DMER816086: The S-VOL of the remote subsystem is specified as a command device. Specify a volume other than a command device of the remote subsystem as the S-VOL. |
| 5816087 | DMER816087: The S-VOL of the remote subsystem is executing format. Check the status of the remote subsystem and retry after waiting for a while. |
| 5816088 | DMER816088: The S-VOL of the remote subsystem is specified as the DM-LU. Specify a volume other than the DM-LU of the remote subsystem as the S-VOL. |
| 5816089 | DMER816089: The S-VOL of the remote subsystem is in the status of S-VOL Disable. Check the status of the remote subsystem and cancel the access attribute. |
| 581608a | DMER81608A: The S-VOL in the remote array cannot allocate the differential bit of remote replication pair because the capacity is beyond the supported limit. Check the status of the remote array. In addition delete unnecessary pairs of the remote array. |
| 581608b | DMER81608B: The S-VOL in the remote subsystem has no vacancy of the SnapShot cache block. Check the pool LU status of the remote subsystem. In addition delete unnecessary pairs of the remote subsystem. |
| 581608c | DMER81608C: The SnapShot cache block for the S-VOL in the remote subsystem is being deleted. Check the pool LU status of the remote subsystem and retry after waiting for a while. |
| 581608d | DMER81608D: The S-VOL of the remote subsystem does not meet the conditions of cascading with a SnapShot pair. Check the status of the LU in the remote array. |

| Error Code | Description |
|---|---|
| 581608e | DMER81608E: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem. |
| 5816091 | DMER816091: The Array ID of the S-VOL in the remote subsystem is wrong. Check the Array ID of the remote subsystem. |
| 5816094 | DMER816094: The RAID level of the S-VOL in the remote array is RAID 0. Set the RAID level other than RAID 0 in the remote array. |
| 5816095 | DMER816095: The S-VOL in the remote subsystem is undergoing the forced parity correction. Check the status of the remote subsystem and retry after waiting for a while. |
| 5816096 | DMER816096: The S-VOL in the remote subsystem is a SnapShot V-VOL. The Remote Replication and SnapShot V-VOLs cannot be cascaded with each other. Check the LU status of the remote subsystem. |
| 5816097 | DMER816097: The S-VOL in the remote subsystem received an illegal command. Check the status of the remote subsystem. |
| 581609a | DMER81609A: The status of the LU that will be S-VOL in the remote array is normal or other than regressed or the RAID group to which the LU is belongs indicates a status other than Normal or the LU is a virtual LU. Check the LU status of the remote array. Retry after the RAID group status becomes Normal in case that the RAID group indicates a status other than Normal. Specify an LU other than an LU created in DP pool to S-VOL. |
| 581609b | DMER81609B: The S-VOL in the remote subsystem is a unified LU consists of 17 or more LUs. Make the number of the unified LUs that constitute the unified LU of the remote subsystem 16 or less. |
| 581609c | DMER81609C: The LU capacity of the S-VOL in the remote subsystem is not the same as the P-VOL capacity. Make the LU capacity of the remote subsystem the same as that of the P-VOL. |
| 581609d | DMER81609D: The S-VOL in the remote array is set to a Cache Residency LU. Specify an LU other than a Cache Residency LU of the remote array. |
| 581609e | DMER81609E: An LU with a capacity less than 1 GB is included in the LUs in which the S-VOL is unified in the remote subsystem. Check the status of the unified LU of the remote subsystem. |
| 581609f | DMER81609F: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while. |
| 58160a0 | DMER8160A0: The remote subsystem has no pool LU. Make a pool LU for the remote subsystem. |
| 58160a1 | DMER8160A1: The LU specified as the S-VOL in the remote subsystem is a pool LU. The pool LU cannot be set to an S-VOL. Check the pool LU status of the remote subsystem. |
| 58160a2 | DMER8160A2: The LU status of the pool LU in the remote subsystem is normal or other than regressed. Check the pool LU status of the remote subsystem. |
| 58160a3 | DMER8160A3: The pool LU in the remote subsystem is undergoing the forced parity correction. Check the pool LU status of the remote subsystem and retry after waiting for a while. |
| 58160a4 | DMER8160A4: The S-VOL in the remote subsystem exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem. |

| Error Code | Description |
|---|---|
| 58160a5 | DMER8160A5: The Remote Replication pair status of the S-VOL in the remote subsystem is Failure. Check the Remote Replication pair status of the remote subsystem. |
| 58160a6 | DMER8160A6: The Remote Replication pair status of the S-VOL in the remote subsystem is Threshold Over. Check the Remote Replication pair status of the remote subsystem. |
| 58160a7 | DMER8160A7: The Remote Replication pair status of the S-VOL in the remote subsystem is Split (no reading/writing allowed). Check the Remote Replication pair status of the remote subsystem. |
| 58160a8 | DMER8160A8: The Remote Replication pair status of the S-VOL in the remote subsystem is Takeover (including Busy). Check the Remote Replication pair status of the remote subsystem. |
| 58160a9 | DMER8160A9: The Remote Replication pair status of the S-VOL in the remote subsystem is Simplex. Check the Remote Replication pair status of the remote subsystem. |
| 58160aa | DMER8160AA: The Remote Replication pair status of the S-VOL in the remote subsystem is Split. Check the Remote Replication pair status of the remote subsystem. |
| 58160ab | DMER8160AB: The Remote Replication pair status of the S-VOL in the remote subsystem is not Simplex. Check the Remote Replication pair status of the remote subsystem. |
| 58160b4 | DMER8160B4: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote subsystem and retry after waiting for a while. |
| 58160b5 | DMER8160B5: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU change for it has been started. Check the status of the remote subsystem and retry after waiting for a while. |
| 58160b6 | DMER8160B6: The S-VOL in the remote subsystem does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote subsystem and retry after waiting for a while. |
| 58160b7 | DMER8160B7: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU to be changed is blocked. Check the status of the remote subsystem and retry after waiting for a while. |
| 58160b8 | DMER8160B8: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it is using the sequential buffer. Check the status of the remote subsystem and retry after waiting for a while. |
| 58160b9 | DMER8160B9: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 58160ba | DMER8160BA: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it has pinned data. Contact the service personnel. |
| 58160bb | DMER8160BB: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 58160bc | DMER8160BC: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 58160bd | DMER8160BD: The S-VOL in the remote subsystem cannot change an ownership of LU and a time-out occurred. Check the status of the remote subsystem and retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 58160be | DMER8160BE: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, the group# is illegal. Check the status of the remote subsystem. |
| 58160c0 | DMER8160C0: The S-VOL in the remote array does not exist on the default owner controller, and its disk drives are being spun up. Check the status of the remote array and retry after waiting for a while. |
| 58160c1 | DMER8160C1: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is making the system copy. Check the status of the remote subsystem and retry after waiting for a while. |
| 58160c2 | DMER8160C2: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is writing the takeover information. Check the status of the remote subsystem and retry after waiting for a while. |
| 58160c5 | DMER8160C5: The cycle time that has been set for the remote subsystem is less than the minimum interval. Check the cycle time that has been set for the remote subsystem. |
| 58160d2 | DMER8160D2: The S-VOL pool number in the remote subsystem is not same as the one that is being used for SnapShot. Confirm the indicated pool number in the remote subsystem. |
| 58160dd | DMER8160DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 58160e0 | DMER8160E0: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed. |
| 58160e5 | DMER8160E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58160ea | DMER8160EA: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool. |
| 5817022 | DMER817022: The process is in progress. Retry after waiting for a while. |
| 5817023 | DMER817023: The process is in progress. Retry after waiting for a while. |
| 5817024 | DMER817024: The process is in progress. Retry after waiting for a while. |
| 5817025 | DMER817025: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while. |
| 5817026 | DMER817026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5817027 | DMER817027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5817028 | DMER817028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again. |
| 5817029 | DMER817029: A command error occurred. Retry after waiting for a while. |
| 581702a | DMER81702A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature. |
| 581702b | DMER81702B: Both of the two paths of the remote subsystem were detached. Check the status of the path. |
| 581702c | DMER81702C: The process is in progress. Retry after waiting for a while. |
| 581702d | DMER81702D: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 581702e | DMER81702E: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 581702f | DMER81702F: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5817030 | DMER817030: The S-VOL is undefined. Check the attribute of the LU. |
| 5817031 | DMER817031: The WWN of the remote subsystem is illegal. Check the remote subsystem WWN. |
| 5817032 | DMER817032: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again. |
| 5817033 | DMER817033: The remote subsystem is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 5817035 | DMER817035: The optional feature of Remote Replication of the remote array is invalid. Unlock and enable the optional feature. |
| 5817038 | DMER817038: Both of the two paths of the remote subsystem were detached. Check the status of the path. |
| 5817041 | DMER817041: The S-VOL of the remote subsystem is doing a duplicate writing. Retry after waiting for a while. |
| 5817042 | DMER817042: The capacity is beyond the limits of support. Delete unnecessary pairs of the remote subsystem. |
| 5817086 | DMER817086: The S-VOL of the remote subsystem is specified as a command device. Specify a volume other than a command device of the remote subsystem as the S-VOL. |
| 5817087 | DMER817087: The S-VOL of the remote subsystem is executing format. Check the status of the remote subsystem and retry after waiting for a while. |
| 5817088 | DMER817088: The S-VOL of the remote subsystem is specified as the DM-LU. Specify a volume other than the DM-LU of the remote subsystem as the S-VOL. |
| 5817089 | DMER817089: The S-VOL of the remote subsystem is in the status of S-VOL Disable. Check the status of the remote subsystem and cancel the access attribute. |
| 581708a | DMER81708A: The S-VOL in the remote subsystem cannot be allocated the differential bit of Remote Replication. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem. |
| 581708b | DMER81708B: The S-VOL in the remote subsystem has no vacancy of the SnapShot cache block. Check the pool LU status of the remote subsystem. In addition delete unnecessary pairs of the remote subsystem. |
| 581708c | DMER81708C: The SnapShot cache block for the S-VOL in the remote subsystem is being deleted. Check the pool LU status of the remote subsystem and retry after waiting for a while. |
| 581708d | DMER81708D: The S-VOL of the remote subsystem does not meet the conditions of cascading with a SnapShot pair. Check the status of the LU in the remote array. |
| 581708e | DMER81708E: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem. |
| 5817091 | DMER817091: The Array ID of the S-VOL in the remote subsystem is wrong. Check the Array ID of the remote subsystem. |
| 5817094 | DMER817094: The RAID level of the S-VOL in the remote array is RAID 0. Make the RAID level of the remote array other than RAID 0. |

| Error Code | Description |
|---|---|
| 5817095 | DMER817095: The S-VOL in the remote subsystem is undergoing the forced parity correction. Check the status of the remote subsystem and retry after waiting for a while. |
| 5817096 | DMER817096: The S-VOL in the remote subsystem is a SnapShot V-VOL. The Remote Replication and SnapShot V-VOLs cannot be cascaded with each other. Check the LU status of the remote subsystem. |
| 5817097 | DMER817097: The S-VOL in the remote subsystem received an illegal command. Check the status of the remote subsystem. |
| 5817098 | DMER817098: The S-VOL in the remote array is changing the cache partition. Check the status of the remote array and retry after waiting for a while. |
| 581709a | DMER81709A: The status of the LU that will be S-VOL in the remote array is normal or other than regressed or the RAID group to which the LU is belongs indicates a status other than Normal or the LU is a virtual LU. Check the LU status of the remote array. Retry after the RAID group status becomes Normal in case that the RAID group indicates a status other than Normal. Specify an LU other than an LU created in DP pool to S-VOL. |
| 581709b | DMER81709B: The S-VOL in the remote subsystem is a unified LU consists of 17 or more LUs. Make the number of the unified LUs that constitute the unified LU of the remote subsystem 16 or less. |
| 581709c | DMER81709C: The LU capacity of the S-VOL in the remote subsystem is not the same as the P-VOL capacity. Make the LU capacity of the remote subsystem the same as that of the P-VOL. |
| 581709d | DMER81709D: The S-VOL in the remote array is set to a Cache Residency LU. Specify an LU other than a Cache Residency LU of the remote array. |
| 581709e | DMER81709E: An LU with a capacity less than 1 GB is included in the LUs in which the S-VOL is unified in the remote subsystem. Check the status of the unified LU of the remote subsystem. |
| 581709f | DMER81709F: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while. |
| 58170a0 | DMER8170A0: The remote subsystem has no pool LU. Make a pool LU for the remote subsystem. |
| 58170a1 | DMER8170A1: The LU specified as the S-VOL in the remote subsystem is a pool LU. The pool LU cannot be set to an S-VOL. Check the pool LU status of the remote subsystem. |
| 58170a2 | DMER8170A2: The LU status of the pool LU in the remote subsystem is normal or other than regressed. Check the pool LU status of the remote subsystem. |
| 58170a3 | DMER8170A3: The pool LU in the remote subsystem is undergoing the forced parity correction. Check the pool LU status of the remote subsystem and retry after waiting for a while. |
| 58170a4 | DMER8170A4: The S-VOL in the remote subsystem exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem. |
| 58170a5 | DMER8170A5: The Remote Replication pair status of the S-VOL in the remote subsystem is Failure. Check the Remote Replication pair status of the remote subsystem. |
| 58170a6 | DMER8170A6: The Remote Replication pair status of the S-VOL in the remote subsystem is Threshold Over. Check the Remote Replication pair status of the remote subsystem. |

| Error Code | Description |
|---|---|
| 58170a7 | DMER8170A7: The Remote Replication pair status of the S-VOL in the remote subsystem is Split (no reading/writing allowed). Check the Remote Replication pair status of the remote subsystem. |
| 58170a8 | DMER8170A8: The Remote Replication pair status of the S-VOL in the remote subsystem is Takeover (including Busy). Check the Remote Replication pair status of the remote subsystem. |
| 58170a9 | DMER8170A9: The Remote Replication pair status of the S-VOL in the remote subsystem is Simplex. Check the Remote Replication pair status of the remote subsystem. |
| 58170aa | DMER8170AA: The Remote Replication pair status of the S-VOL in the remote subsystem is Split. Check the Remote Replication pair status of the remote subsystem. |
| 58170ab | DMER8170AB: The Remote Replication pair status of the S-VOL in the remote subsystem is not Simplex. Check the Remote Replication pair status of the remote subsystem. |
| 58170b4 | DMER8170B4: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170b5 | DMER8170B5: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU change for it has been started. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170b6 | DMER8170B6: The S-VOL in the remote subsystem does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170b7 | DMER8170B7: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU to be changed is blocked. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170b8 | DMER8170B8: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it is using the sequential buffer. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170b9 | DMER8170B9: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 58170ba | DMER8170BA: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it has pinned data. Contact the service personnel. |
| 58170bb | DMER8170BB: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 58170bc | DMER8170BC: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 58170bd | DMER8170BD: The S-VOL in the remote subsystem cannot change an ownership of LU and a time-out occurred. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170be | DMER8170BE: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, the group# is illegal. Check the status of the remote subsystem. |
| 58170c0 | DMER8170C0: The S-VOL in the remote array does not exist on the default owner controller and, at the same time, its disk drives are being spun up. Check the status of the remote array and retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 58170c1 | DMER8170C1: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is making the system copy. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170c2 | DMER8170C2: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is writing the takeover information. Check the status of the remote subsystem and retry after waiting for a while. |
| 58170c5 | DMER8170C5: The cycle time that has been set for the remote subsystem is less than the minimum interval. Check the cycle time that has been set for the remote subsystem. |
| 58170d2 | DMER8170D2: The S-VOL pool number in the remote subsystem is not same as the one that is being used for SnapShot. Confirm the indicated pool number in the remote subsystem. |
| 58170dd | DMER8170DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 58170e0 | DMER8170E0: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed. |
| 58170e5 | DMER8170E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58170ea | DMER8170EA: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool. |
| 5819022 | DMER819022: The process is in progress. Retry after waiting for a while. |
| 5819023 | DMER819023: The process is in progress. Retry after waiting for a while. |
| 5819024 | DMER819024: The process is in progress. Retry after waiting for a while. |
| 5819025 | DMER819025: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while. |
| 5819026 | DMER819026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5819027 | DMER819027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5819028 | DMER819028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again. |
| 5819029 | DMER819029: A command error occurred. Retry after waiting for a while. |
| 581902a | DMER81902A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature. |
| 581902b | DMER81902B: Both of the two paths of the remote subsystem were detached. Check the status of the path. |
| 58190de | DMER8190DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed. |
| 581a022 | DMER81A022: Now executing. Wait a while and execute again. |
| 581a023 | DMER81A023: Now executing. Wait a while and execute again. |
| 581a024 | DMER81A024: Now executing. Wait a while and execute again. |
| 581a025 | DMER81A025: The S-VOL in the remote subsystem is being formatted now. Wait a while and execute again. |
| 581a026 | DMER81A026: The remote subsystem is undergoing the pseudo deliberate shutdown. Execute again after the pseudo deliberate shutdown. |

| Error Code | Description |
|---|---|
| 581a027 | DMER81A027: The remote subsystem is after the pseudo deliberate shutdown. Wait a while and execute again. |
| 581a028 | DMER81A028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again. |
| 581a029 | DMER81A029: Command error was occurred. Wait a while and execute again. |
| 581a02a | DMER81A02A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature. |
| 581a02b | DMER81A02B: Both of the two paths of the remote subsystem were detached. Check the status of the path. |
| 581a02c | DMER81A02C: Now executing. Wait a while and execute again. |
| 581a02d | DMER81A02D: The S-VOL in the remote subsystem is being formatted now. Wait a while and execute again. |
| 581a02e | DMER81A02E: The remote subsystem is undergoing the pseudo deliberate shutdown. Execute again after the pseudo deliberate shutdown. |
| 581a02f | DMER81A02F: The remote subsystem is undergoing the pseudo deliberate shutdown. Wait a while and execute again. |
| 581a030 | DMER81A030: The S-VOL is undefined. Check the attribute of the LU. |
| 581a032 | DMER81A032: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again. |
| 581a033 | DMER81A033: The remote subsystem is undergoing hot replacement of the firmware. Wait a while and execute again. |
| 581a035 | DMER81A035: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature. |
| 581a038 | DMER81A038: Both of the two paths of the remote subsystem were detached. Check the status of the path. |
| 581a041 | DMER81A041: Now executing. Wait a while and execute again. |
| 581a089 | DMER81A089: The S-VOL of the remote subsystem is in the status of S-VOL Disable. Check the status of the remote subsystem and cancel the access attribute. |
| 581a08b | DMER81A08B: The S-VOL in the remote subsystem has no vacancy of the SnapShot cache block. Check the pool LU status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem. |
| 581a08c | DMER81A08C: The SnapShot cache block for the S-VOL in the remote subsystem is being deleted. Check the pool LU status of the remote subsystem and retry after waiting for a while. |
| 581a08d | DMER81A08D: The S-VOL of the remote subsystem does not meet the conditions of cascading with a SnapShot pair. Retry after checking the LU status of the remote subsystem and satisfying the conditions stated in the User's Guide. |
| 581a090 | DMER81A090: Now executing. Wait a while and execute again. |
| 581a091 | DMER81A091: The indicated Array ID is not same as the actual one for remote subsystem. Confirm the Array ID for the remote subsystem. |
| 581a095 | DMER81A095: The S-VOL in the remote subsystem is undergoing the forced parity correction. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a097 | DMER81A097: The S-VOL in the remote subsystem received an illegal command. Check the status of the remote subsystem. |

| Error Code | Description |
|---|---|
| 581a099 | DMER81A099: The array can not execute the operation because the target P-VOL of the specified LU does not exist. Delete the pair regarding the P-VOL in the remote array and create a remote replication pair. |
| 581a09a | DMER81A09A: The LU status of the S-VOL in the remote array is normal or other than regressed or the RAID group to which the LU is belongs indicates a status other than Normal. Check the LU status of the remote array. Retry after the RAID group status becomes Normal in case that the RAID group indicates a status other than Normal. |
| 581a09f | DMER81A09F: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while. |
| 581a0a0 | DMER81A0A0: The remote subsystem has no pool LU. Make a pool LU for the remote subsystem. |
| 581a0a1 | DMER81A0A1: The LU specified as the S-VOL in the remote subsystem is a pool LU. The pool LU cannot be set to an S-VOL. Check the pool LU status of the remote subsystem. |
| 581a0a2 | DMER81A0A2: The LU status of the S-VOL in the remote subsystem is normal or other than regressed. Check the pool LU status of the remote subsystem. |
| 581a0a3 | DMER81A0A3: The pool LU in the remote subsystem is undergoing the forced parity correction. Check the pool LU status of the remote subsystem and retry after waiting for a while. |
| 581a0a4 | DMER81A0A4: The S-VOL in the remote subsystem exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem. |
| 581a0a5 | DMER81A0A5: The Remote Replication pair status of the S-VOL in the remote subsystem is Failure. Check the Remote Replication pair status of the remote subsystem. |
| 581a0a6 | DMER81A0A6: The Remote Replication pair status of the S-VOL in the remote subsystem is Threshold Over. Check the Remote Replication pair status of the remote subsystem. |
| 581a0a7 | DMER81A0A7: The Remote Replication pair status of the S-VOL in the remote subsystem is Split (no reading/writing allowed). Check the Remote Replication pair status of the remote subsystem. |
| 581a0a8 | DMER81A0A8: The Remote Replication pair status of the S-VOL in the remote subsystem is Takeover (including Busy). Check the Remote Replication pair status of the remote subsystem. |
| 581a0a9 | DMER81A0A9: The Remote Replication pair status of the S-VOL in the remote subsystem is Simplex. Check the Remote Replication pair status of the remote subsystem. |
| 581a0aa | DMER81A0AA: The Remote Replication pair status of the S-VOL in the remote subsystem is Split. Check the Remote Replication pair status of the remote subsystem. |
| 581a0ab | DMER81A0AB: The Remote Replication pair status of the S-VOL in the remote subsystem is not Simplex. Check the Remote Replication pair status of the remote subsystem. |
| 581a0b4 | DMER81A0B4: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote subsystem and retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 581a0b5 | DMER81A0B5: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU change for it has been started. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a0b6 | DMER81A0B6: The S-VOL in the remote subsystem does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a0b7 | DMER81A0B7: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU to be changed is blocked. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a0b8 | DMER81A0B8: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it is using the sequential buffer. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a0b9 | DMER81A0B9: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 581a0ba | DMER81A0BA: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it has pinned data. Contact the service personnel. |
| 581a0bb | DMER81A0BB: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 581a0bc | DMER81A0BC: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 581a0bd | DMER81A0BD: The S-VOL in the remote subsystem cannot change an ownership of LU and a time-out occurred. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a0be | DMER81A0BE: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, the group# is illegal. Check the status of the remote subsystem. |
| 581a0c1 | DMER81A0C1: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is making the system copy. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a0c2 | DMER81A0C2: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is writing the takeover information. Check the status of the remote subsystem and retry after waiting for a while. |
| 581a0d2 | DMER81A0D2: The S-VOL pool number in the remote subsystem is not same as the one that is being used for SnapShot. Confirm the indicated pool number in the remote subsystem. |
| 581a0d3 | DMER81A0D3: The license validity of the remote subsystem is expired. Purchase the license. |
| 581a0dd | DMER81A0DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 581a0e0 | DMER81A0E0: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed. |
| 581a0e5 | DMER81A0E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 5820005 | DMER820005: The LU of the remote array is being formatted. Retry after waiting for a while. |
| 5820006 | DMER820006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |

| Error Code | Description |
|---|---|
| 5820007 | DMER820007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5820008 | DMER820008: The S-VOL is undefined. Check the status of the LU. |
| 5820009 | DMER820009: The WWN of the remote array is illegal. Check the equipment WWN. |
| 582000b | DMER82000B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 582000c | DMER82000C: A command error occurred. Retry after waiting for a while. |
| 582000d | DMER82000D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 582000e | DMER82000E: The status of the S-VOL cannot be changed. Retry after waiting for a while. |
| 5820011 | DMER820011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays or the maximum number of the connected arrays is beyond the limits. Check the pair status of the LU and Array ID or number of the connected arrays. |
| 5820012 | DMER820012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs. |
| 5820015 | DMER820015: The status of the object LU is other than normal and regressive or the specified S-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Make the status of the LU normal or regressive and confirm the ShadowImage pair that the specified S-VOL is part of. |
| 5820017 | DMER820017: The S-VOL is configured as RAID 0. Check the RAID level of the specified LU. |
| 5820019 | DMER820019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL. |
| 582001a | DMER82001A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 582001c | DMER82001C: The object LU is a command device. Specify an LU other than a command device. |
| 582001d | DMER82001D: The change of the default owner controller is reserved for the object LU. Cancel the reservation for changing the default owner controller or specify the LU for which the change of the default owner controller is not reserved. |
| 582001e | DMER82001E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 5820021 | DMER820021: The object LU has already been cascaded with a ShadowImage pair. Check the pair status of the LU and check that its pair attribute is P-VOL. |
| 5820032 | DMER820032: The remote array is receiving a command. Retry after waiting. |
| 582003d | DMER82003D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN. |
| 582003f | DMER82003F: The LU assigned to a Remote Replication pair has already been paired by ShadowImage. Check the pair status of the LU. |
| 5820040 | DMER820040: The S-VOL of the specified pair cannot accept Read/Write instructions or is a part of ShadowImage whose status is Reverse Synchronizing. Check the status of the S-VOL or the pair status of the ShadowImage pair. |

| Error Code | Description |
|---|---|
| 5820041 | DMER820041: The process is in progress. Retrying after waiting. |
| 5820045 | DMER820045: The stripe size of the object LU of the remote array is other than 64KB. Make the stripe size of the LU of the remote array 64KB. |
| 5820046 | DMER820046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair which comprises the LU of the remote array in the Simplex status once and then operate the pair. |
| 5820048 | DMER820048: The specified LU is an S-VOL of ShadowImage. Split the ShadowImage pair that comprises an LU of the remote array. |
| 5820049 | DMER820049: The object LU of the remote array is being formatted. Create the pair again after the formatting is completed. |
| 582004a | DMER82004A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote array. |
| 5820050 | DMER820050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status which concerns the forced restoration by means of parity of the LU of the remote array to Restored or Skip. |
| 5820053 | DMER820053: The number of unified LUs of the remote array is 17 or more. Make the number of unified LUs of the remote array 16 or less. |
| 5820054 | DMER820054: The V-VOL which is paired with a SnapShot P-VOL of the remote array has already been organized into a Remote Replication pair. Split the Remote Replication pair comprising a SnapShot V-VOL that is an LU of the remote array. |
| 5820055 | DMER820055: The object LU of the remote array is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote array to a volume other than a V-VOL of SnapShot. |
| 5820058 | DMER820058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel. |
| 5820059 | DMER820059: The license validity of the remote array is expired. Purchase the license. |
| 582005a | DMER82005A: The DM-LU is not set of the remote array or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU. |
| 582005b | DMER82005B: The specified S-VOL is the pool LU. Check the status of the LU. |
| 582005c | DMER82005C: The specified S-VOL is the NAS LU. Check the status of the LU. |
| 58200c6 | DMER8200C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair. |
| 58200c7 | DMER8200C7: The specified S-VOL is the reserved LU. Re-execute the migration specifying an LU other than the reserved LU for the S-VOL. |
| 58200cf | DMER8200CF: The disk drives that configure a RAID group to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 58200d4 | DMER8200D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array. |
| 58200d9 | DMER8200D9: The status of the remote array is in an inappropriate condition to create or resynchronize the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication. See the User's Guide for their detail information. |
| 58200de | DMER8200DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |

| Error Code | Description |
|---|---|
| 58200e2 | DMER8200E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed. |
| 58200e3 | DMER8200E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58200e9 | DMER8200E9: The specified S-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the ShadowImage pair that the specified S-VOL is part of. |
| 5821005 | DMER821005: The LU of the remote array is being formatted. Retry after waiting for a while. |
| 5821006 | DMER821006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5821007 | DMER821007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5821008 | DMER821008: The S-VOL is undefined. Check the status of the LU. |
| 5821009 | DMER821009: The WWN of the remote array is illegal. Check the equipment WWN. |
| 582100b | DMER82100B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 582100c | DMER82100C: A command error occurred. Retry after waiting for a while. |
| 582100d | DMER82100D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 582100e | DMER82100E: The status of the S-VOL cannot be changed. Retry after waiting for a while. |
| 5821011 | DMER821011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays or the maximum number of the connected arrays is beyond the limits. Check the pair status of the LU and Array ID or number of the connected Array. |
| 5821012 | DMER821012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs. |
| 5821015 | DMER821015: The status of the object LU is other than normal and regressive or the specified S-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Make the status of the LU normal or regressive and confirm the ShadowImage pair that the specified S-VOL is part of. |
| 5821017 | DMER821017: The S-VOL is configured as RAID 0. Check the RAID level of the specified LU. |
| 5821019 | DMER821019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL. |
| 582101a | DMER82101A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 582101c | DMER82101C: The object LU is a command device. Specify an LU other than a command device. |
| 582101d | DMER82101D: The change of the default owner controller is reserved for the object LU. Cancel the reservation for changing the default owner controller or specify the LU for which the change of the default owner controller is not reserved. |
| 582101e | DMER82101E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status |

| Error Code | Description |
|---|---|
| 5821021 | DMER821021: The object LU has already been cascaded with a ShadowImage pair. Check the pair status of the LU and check that its pair attribute is P-VOL. |
| 5821032 | DMER821032: The remote array is receiving a command. Retry after waiting for a while. |
| 582103f | DMER82103F: The LU assigned to a Remote Replication pair has already been paired by ShadowImage. Check the pair status of the LU. |
| 5821040 | DMER821040: The object LU of the remote array is being restored as a volume of ShadowImage or cannot accept Read/Write instructions. Check the pair status of the LU. |
| 5821041 | DMER821041: The process is in progress. Retry after waiting for a while. |
| 5821045 | DMER821045: The stripe size of the object LU of the remote array is other than 64KB. Make the stripe size of the LU of the remote array 64KB. |
| 5821046 | DMER821046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote array in the Simplex status once and then operate the pair. |
| 5821048 | DMER821048: The specified LU is an S-VOL of ShadowImage. Split the ShadowImage pair that comprises an LU of the remote array. |
| 5821049 | DMER821049: The object LU of the remote array is being quick formatted. Create the pair again after the quick formatting is completed. |
| 582104a | DMER82104A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote array. |
| 5821050 | DMER821050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote array to Restored or Skip. |
| 5821053 | DMER821053: The number of unified LUs of the remote array is 17 or more. Make the number of unified LUs of the remote array 16 or less. |
| 5821054 | DMER821054: The V-VOL, which is paired with a SnapShot P-VOL of the remote array has already been organized into a Remote Replication pair. Split the Remote Replication pair comprising a SnapShot V-VOL that is an LU of the remote array. |
| 5821055 | DMER821055: The object LU of the remote array is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote array to a volume other than a V-VOL of SnapShot. |
| 5821058 | DMER821058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel. |
| 582105a | DMER82105A: The DM-LU is not set of the remote array or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU. |
| 582105b | DMER82105B: The specified S-VOL is the pool LU. Check the status of the LU. |
| 582105c | DMER82105C: The specified S-VOL is the NAS LU. Check the status of the LU. |
| 58210c6 | DMER8210C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair. |
| 58210c7 | DMER8210C7: The specified S-VOL is the reserved LU. Re-execute the migration specifying an LU other than the reserved LU for the S-VOL. |
| 58210cf | DMER8210CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |

| Error Code | Description |
|---|---|
| 58210d4 | DMER8210D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array. |
| 58210de | DMER8210DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58210e2 | DMER8210E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed. |
| 58210e3 | DMER8210E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58210e9 | DMER8210E9: The specified S-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the ShadowImage pair that the specified S-VOL is part of. |
| 5822005 | DMER822005: The LU of the remote array is being formatted. Retry after waiting for a while. |
| 5822006 | DMER822006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5822007 | DMER822007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5822008 | DMER822008: The S-VOL is undefined. Check the status of the LU. |
| 5822009 | DMER822009: The WWN of the remote array is illegal. Check the equipment WWN. |
| 582200b | DMER82200B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 582200c | DMER82200C: A command error occurred. Retry after waiting for a while. |
| 582200d | DMER82200D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 582200e | DMER82200E: The status of the S-VOL cannot be changed. Retry after waiting for a while. |
| 5822011 | DMER822011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID. |
| 5822014 | DMER822014: The current Array ID differs from the number that was set initially. Check the Array ID. |
| 5822015 | DMER822015: The status of the object LU is other than normal and regressive. Make the status of the LU normal or regressive. |
| 582201e | DMER82201E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 5822020 | DMER822020: The object LU of the remote array is being restored as a volume of ShadowImage or cannot accept Read/Write instructions. Check the pair status of the LU. |
| 5822032 | DMER822032: The remote array is receiving a command. Retry after waiting for a while. |
| 582203d | DMER82203D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN. |
| 5822041 | DMER822041: The process is in progress. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 5822046 | DMER822046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote array, in the Simplex status once and then operate the pair. |
| 582204a | DMER82204A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote array. |
| 5822050 | DMER822050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote array to Restored or Skip. |
| 5822059 | DMER822059: The license validity of the remote array is expired. Purchase the license. |
| 58220cf | DMER8220CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 58220d4 | DMER8220D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array. |
| 58220d7 | DMER8220D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status in the remote array be Split or Simplex. |
| 58220d8 | DMER8220D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status in the remote array be Split or Simplex. |
| 58220de | DMER8220DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58220e2 | DMER8220E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed. |
| 58220e3 | DMER8220E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 5823005 | DMER823005: The LU of the remote array is being formatted. Retry after waiting for a while. |
| 5823006 | DMER823006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5823007 | DMER823007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5823008 | DMER823008: The S-VOL is undefined. Check the status of the LU. |
| 5823009 | DMER823009: The WWN of the remote array is illegal. Check the equipment WWN. |
| 582300b | DMER82300B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 582300c | DMER82300C: A command error occurred. Retry after waiting for a while. |
| 582300d | DMER82300D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 582300e | DMER82300E: The status of the S-VOL cannot be changed. Retry after waiting for a while. |
| 5823011 | DMER823011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID. |

| Error Code | Description |
|---|---|
| 582301e | DMER82301E: The object LU has been organized into a Remote Replication pair. Check the pair status of the LU. |
| 5823032 | DMER823032: The remote array is receiving a command. Retry after waiting for a while. |
| 5823041 | DMER823041: The process is in progress. Retry after waiting for a while. |
| 5823046 | DMER823046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote array, in the Simplex status once and then operate the pair. |
| 58230d4 | DMER8230D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array. |
| 58230d7 | DMER8230D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status in the remote array be Split or Simplex. |
| 58230d8 | DMER8230D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status in the remote array be Split or Simplex. |
| 58230d9 | DMER8230D9: The status of the remote array is in an inappropriate condition to create or resynchronize the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication. See the User's Guide for their detail information. |
| 5824005 | DMER824005: The LU of the remote array is being formatted. Retry after waiting for a while. |
| 5824006 | DMER824006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5824007 | DMER824007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5824008 | DMER824008: The S-VOL is undefined. Check the status of the LU. |
| 5824009 | DMER824009: The WWN of the remote array is illegal. Check the equipment WWN. |
| 582400b | DMER82400B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 582400c | DMER82400C: A command error occurred. Retry after waiting for a while. |
| 582400d | DMER82400D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 582400e | DMER82400E: The status of the S-VOL cannot be changed. Retry after waiting for a while. |
| 5824011 | DMER824011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID. |
| 582401e | DMER82401E: The object LU has been organized into a Remote Replication pair. Check the pair status of the LU. |
| 5824032 | DMER824032: The remote array is receiving a command. Retry after waiting for a while. |
| 5824041 | DMER824041: The process is in progress. Retry after waiting for a while. |
| 5824046 | DMER824046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair which comprises the LU of the remote array in the Simplex status once and then operate the pair. |

| Error Code | Description |
|---|---|
| 58240d4 | DMER8240D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array. |
| 58240d7 | DMER8240D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status in the remote array be Split or Simplex. |
| 58240d8 | DMER8240D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status in the remote array be Split or Simplex. |
| 58240d9 | DMER8240D9: The status the remote array is in an inappropriate condition to create the Remote Replication pair. Confirm the Array ID, pair status of Remote Replication and status of SnapShot and ShadowImage. See the User's Guide for their detail information. |
| 5825005 | DMER825005: The LU of the remote array is being formatted. Retry after waiting for a while. |
| 5825006 | DMER825006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5825007 | DMER825007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 5825008 | DMER825008: The S-VOL is undefined. Check the status of the LU. |
| 5825009 | DMER825009: The WWN of the array array is illegal. Check the equipment WWN. |
| 582500b | DMER82500B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while. |
| 582500c | DMER82500C: A command error occurred. Retry after waiting for a while. |
| 582500d | DMER82500D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. |
| 582500e | DMER82500E: The status of the S-VOL cannot be changed. Retry after waiting for a while. |
| 5825011 | DMER825011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID. |
| 5825014 | DMER825014: The current Array ID differs from the number that was set initially. Check the Array ID. |
| 5825015 | DMER825015: The status of the object LU is other than normal and regressive. Make the status of the LU normal or regressive. |
| 582501e | DMER82501E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 5825020 | DMER825020: The object LU of the remote array is being restored as a volume of ShadowImage or cannot accept Read/Write instructions. Check the pair status of the LU. |
| 5825032 | DMER825032: The remote array is receiving a command. Retry after waiting for a while. |
| 582503d | DMER82503D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN. |
| 5825041 | DMER825041: The process is in progress. Retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 5825046 | DMER825046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair which comprises the LU of the remote array in the Simplex status once and then operate the pair. |
| 5825047 | DMER825047: The specified LU is an S-VOL of ShadowImage. Specify an LU other than a ShadowImage S-VOL that comprises the LU of the remote array. |
| 582504b | DMER82504B: Check the pair status of the LU. Cancel the S-VOL Disable specified for the LU of the remote array (at the time of a swap). |
| 5825050 | DMER825050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status which concerns the forced restoration by means of parity of the LU of the remote array to Restored or Skip. |
| 5825056 | DMER825056: The target LU of the remote array is a V-VOL of SnapShot (at the time of swap). Specify the LU of the remote array other than a V-VOL of SnapShot. |
| 5825059 | DMER825059: The license validity of the remote array is expired. Purchase the license. |
| 58250cf | DMER8250CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 58250d4 | DMER8250D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array. |
| 58250d7 | DMER8250D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status Split or Simplex. |
| 58250d8 | DMER8250D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status Split or Simplex. |
| 58250de | DMER8250DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed. |
| 58250e2 | DMER8250E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed. |
| 58250e3 | DMER8250E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 5826011 | DMER826011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote subsystems. Check the pair status of the LU and Array ID. |
| 5826012 | DMER826012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs. |
| 5826015 | DMER826015: The status of the object LU is other than normal and regressive or the specified S-VOL is an LU created in DP pool. Make the status of the LU normal or regressive and specify an LU other than an LU created in DP pool to S-VOL. |
| 5826017 | DMER826017: The S-VOL resides in the RAID group of RAID 0. Choose a RAID group of RAID level other than RAID 0. |
| 5826019 | DMER826019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL. |
| 582601a | DMER82601A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 582601c | DMER82601C: The object LU is a command device. Specify an LU other than a command device. |

| Error Code | Description |
|---|---|
| 582601e | DMER82601E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 5826026 | DMER826026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5826027 | DMER826027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 582602a | DMER82602A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature. |
| 5826040 | DMER826040: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem. |
| 5826045 | DMER826045: The stripe size of the object LU of the remote subsystem is other than 64KB. Make the stripe size of the LU of the remote subsystem 64KB. |
| 5826046 | DMER826046: The object LU of the remote subsystem is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote subsystem, in the Simplex status once and then operate the pair. |
| 5826049 | DMER826049: The object LU of the remote subsystem is being formatted. Create the pair again after the formatting is completed. |
| 582604a | DMER82604A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote subsystem. |
| 5826050 | DMER826050: The object LU of the remote subsystem has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote subsystem to Restored or Skip. |
| 5826053 | DMER826053: The number of unified LUs of the remote subsystem is 17 or more. Make the number of unified LUs of the remote subsystem 16 or less. |
| 5826055 | DMER826055: The object LU of the remote subsystem is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote subsystem to a volume other than a V-VOL of SnapShot. |
| 5826059 | DMER826059: The license validity of the remote subsystem is expired. Purchase the license. |
| 582605a | DMER82605A: The DM-LU is not set of the remote subsystem or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU. |
| 582605b | DMER82605B: The specified S-VOL is the pool LU. Check the status of the LU. |
| 58260b3 | DMER8260B3: The specified S-VOL is a unified LU including a SubLU with a capacity less than 1 GB. Check whether the LU with a capacity less than 1 GB is included in each LU of the specified unified LU. |
| 58260c4 | DMER8260C4: When a new pair of a group is created, the cycle time that has been set for the local and remote array is less than the minimum interval. Check the cycle time that has been set for the local and remote array. |
| 58260c6 | DMER8260C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair. |
| 58260c7 | DMER8260C7: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL. |

| Error Code | Description |
|---|---|
| 58260ca | DMER8260CA: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair. |
| 58260cb | DMER8260CB: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL. |
| 58260cf | DMER8260CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 58260d1 | DMER8260D1: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 58260d2 | DMER8260D2: The specified data pool number in the remote array is not same as the one that is being used for SnapShot. Confirm the indicated data pool number in the remote array. |
| 58260db | DMER8260DB: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number. |
| 58260dd | DMER8260DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 58260de | DMER8260DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed. |
| 58260e1 | DMER8260E1: The operation to change LU has become timeout while the controller in the remote array is recovering. Retry the operation after the controller is recovered. |
| 58260e3 | DMER8260E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58260e9 | DMER8260E9: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool. |
| 5827011 | DMER827011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote subsystems. Check the pair status of the LU and Array ID. |
| 5827012 | DMER827012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs. |
| 5827015 | DMER827015: The status of the object LU is other than normal and regressive or the specified S-VOL is an LU created in DP pool. Make the status of the LU normal or regressive and specify an LU other than an LU created in DP pool to S-VOL. |
| 5827017 | DMER827017: The S-VOL is configured as RAID 0. Check the RAID level of the specified LU. |
| 5827019 | DMER827019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL. |
| 582701a | DMER82701A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU. |
| 582701c | DMER82701C: The object LU is a command device. Specify an LU other than a command device. |
| 582701e | DMER82701E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |

| Error Code | Description |
|---|---|
| 5827026 | DMER827026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5827027 | DMER827027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 582702a | DMER82702A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature. |
| 5827040 | DMER827040: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem. |
| 5827045 | DMER827045: The stripe size of the object LU of the remote subsystem is other than 64KB. Make the stripe size of the LU of the remote subsystem 64KB. |
| 5827046 | DMER827046: The object LU of the remote subsystem is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote subsystem, in the Simplex status once and then operate the pair. |
| 5827049 | DMER827049: The object LU of the remote subsystem is being formatted. Create the pair again after the formatting is completed. |
| 582704a | DMER82704A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote subsystem. |
| 5827050 | DMER827050: The object LU of the remote subsystem has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote subsystem to Restored or Skip. |
| 5827053 | DMER827053: The number of unified LUs of the remote subsystem is 17 or more. Make the number of unified LUs of the remote subsystem 16 or less. |
| 5827055 | DMER827055: The object LU of the remote subsystem is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote subsystem to a volume other than a V-VOL of SnapShot. |
| 5827059 | DMER827059: The license validity of the remote subsystem is expired. Purchase the license. |
| 582705a | DMER82705A: The DM-LU is not set of the remote subsystem or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU. |
| 582705b | DMER82705B: The specified S-VOL is the pool LU. Check the status of the LU. |
| 58270b3 | DMER8270B3: The specified S-VOL is a unified LU including a SubLU with a capacity less than 1 GB. Check whether the LU with a capacity less than 1 GB is included in each LU of the specified unified LU. |
| 58270c4 | DMER8270C4: When a new pair of a group is created, the cycle time that has been set for the local and remote array is less than the minimum interval. Check the cycle time that has been set for the local and remote array. |
| 58270c6 | DMER8270C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair. |
| 58270c7 | DMER8270C7: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL. |
| 58270ca | DMER8270CA: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair. |
| 58270cb | DMER8270CB: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL. |

| Error Code | Description |
|---|---|
| 58270cf | DMER8270CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 58270d1 | DMER8270D1: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 58270d2 | DMER8270D2: The specified data pool number in the remote array is not same as the one that is being used for SnapShot. Confirm the indicated data pool number in the remote array. |
| 58270db | DMER8270DB: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number. |
| 58270dd | DMER8270DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 58270de | DMER8270DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed. |
| 58270e1 | DMER8270E1: The operation to change LU has become timeout while the controller in the remote array is recovering. Retry the operation after the controller is recovered. |
| 58270e3 | DMER8270E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |
| 58270e9 | DMER8270E9: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool. |
| 582901e | DMER82901E: The object LU has been organized into a Remote Replication pair. Check the pair status of the LU. |
| 5829026 | DMER829026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed. |
| 5829027 | DMER829027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while. |
| 582902a | DMER82902A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature. |
| 582903d | DMER82903D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN. |
| 582905e | DMER82905E: There is a SnapShot pair, which has an MU number specified for a SnapShot P-VOL, has not been placed in the Paired or Split status, and whose S-VOL is one of the S-VOLs with the specified group numbers. Check the pair status of the SnapShot. |
| 582905f | DMER82905F: There is no pair, which is in the Paired status, in the target group. Check the pair status of each LU in the target group. |
| 58290de | DMER8290DE: Auto Migration is being executed in the remote array just now. Execute again after the Migration is completed. |
| 582a011 | DMER82A011: The indicated LU is in the Remote Replication pair for another subsystem. Confirm the pair status for the LU and also the Array ID. |
| 582a015 | DMER82A015: The status of the object LU is other than normal and regressive. Make the LU status be normal or regressive. |

| Error Code | Description |
|---|---|
| 582a01e | DMER82A01E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. |
| 582a026 | DMER82A026: The remote subsystem is undergoing the pseudo deliberate shutdown. Execute again after the pseudo deliberate shutdown. |
| 582a027 | DMER82A027: The remote subsystem is after the pseudo deliberate shutdown. Wait a while and execute again. |
| 582a02a | DMER82A02A: The optional feature of Remote Replication of the remote array is disabled. Unlock and enable the optional feature. |
| 582a02b | DMER82A02B: Both of the two remote paths of the local array were detached. Check the status of the path. |
| 582a030 | DMER82A030: The S-VOL is undefined. Check the attribute of the LU. |
| 582a031 | DMER82A031: The WWN of the remote array is illegal. Check the equipment WWN. |
| 582a035 | DMER82A035: The optional feature of Remote Replication of the remote array is locked. Unlock and enable the optional feature. |
| 582a038 | DMER82A038: Both of the two paths of the remote array were detached. Check the status of the path. |
| 582a046 | DMER82A046: The indicated LU in the remote subsystem is being restored for SnapShot or can not be executed the Read and Write command for the SnapShot pair. Execute again after having the SnapShot pair status in the remote subsystem be Simplex. |
| 582a04a | DMER82A04A: The S-VOL is 'S-VOL Disable' status. Release the indication for the 'S-VOL Disable' in the remote subsystem. |
| 582a050 | DMER82A050: The indicated LU in the remote subsystem is in the forced parity correction, or has not executed the forced parity correction yet. Make the LU status for the forced parity correction in remote subsystem be Restored or Skip. |
| 582a059 | DMER82A059: The license of the remote subsystem expires. Purchase the license. |
| 582a05d | DMER82A05D: Now executing. Wait a while and execute again. |
| 582a089 | DMER82A089: The S-VOL of the remote array is in the status of S-VOL Disable. Check the status of the remote array and cancel the access attribute. |
| 582a08b | DMER82A08B: The S-VOL in the remote array has no SnapShot cache block available. Check the data pool LU status of the remote array. In addition, delete unnecessary pairs of the remote array. |
| 582a08c | DMER82A08C: The SnapShot cache block for the S-VOL in the remote array is being deleted. Check the data pool LU status of the remote array and retry after waiting for a while. |
| 582a08d | DMER82A08D: The status of S-VOL in the remote array does not satisfy the condition to cascade with SnapShot pair. Check the status of the LU in the remote array. |
| 582a090 | DMER82A090: The status of S-VOL in the remote array does not satisfy the condition to cascade with SnapShot pair. Check the status of the LU in the remote array. |
| 582a091 | DMER82A091: The indicated Array ID is not same as the actual one for remote array. Confirm the Array ID for the remote array. |
| 582a095 | DMER82A095: The S-VOL in the remote array is undergoing the forced parity correction. Check the status of the remote array and retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 582a097 | DMER82A097: The S-VOL in the remote array received an illegal command. Check the status of the remote array. |
| 582a09a | DMER82A09A: The LU status of the S-VOL in the remote array is normal or other than regressed. Check the LU status of the remote array. |
| 582a09f | DMER82A09F: Splitting or deleting SnapShot pair is in progress. Retry after waiting for a while. |
| 582a0a0 | DMER82A0A0: The remote array has no data pool. Create a data pool in the remote array. |
| 582a0a1 | DMER82A0A1: The LU specified as the S-VOL in the remote array is a data pool LU. The data pool LU cannot be set to an S-VOL. Check the data pool LU status of the remote array. |
| 582a0a2 | DMER82A0A2: The LU status of the S-VOL in the remote array is normal or other than regressed. Check the pool LU status of the remote array. |
| 582a0a3 | DMER82A0A3: The data pool LU in the remote array is undergoing the forced parity correction. Check the pool LU status of the remote array and retry after waiting for a while. |
| 582a0a4 | DMER82A0A4: The S-VOL in the remote array exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote array. In addition, delete unnecessary pairs of the remote array. |
| 582a0a5 | DMER82A0A5: The Remote Replication pair status of the S-VOL in the remote array is Failure. Check the Remote Replication pair status of the remote array. |
| 582a0a6 | DMER82A0A6: The Remote Replication pair status of the S-VOL in the remote array is Pool Full. Check the Remote Replication pair status of the remote array. |
| 582a0a7 | DMER82A0A7: The Remote Replication pair status of the S-VOL in the remote array is Split (no read/write allowed). Check the Remote Replication pair status of the remote array. |
| 582a0a8 | DMER82A0A8: The Remote Replication pair status of the S-VOL in the remote array is Takeover (including Busy). Check the Remote Replication pair status of the remote array. |
| 582a0a9 | DMER82A0A9: The Remote Replication pair status of the S-VOL in the remote array is Simplex. Check the Remote Replication pair status of the remote array. |
| 582a0aa | DMER82A0AA: The Remote Replication pair status of the S-VOL in the remote array is Split. Check the Remote Replication pair status of the remote array. |
| 582a0ab | DMER82A0AB: The Remote Replication pair status of the S-VOL in the remote array is not Simplex. Check the Remote Replication pair status of the remote array. |
| 582a0b4 | DMER82A0B4: The S-VOL in the remote array does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote array and retry after waiting for a while. |
| 582a0b5 | DMER82A0B5: The S-VOL in the remote array does not exist on the default owner controller and at the same time an ownership of LU change for it has been started. Check the status of the remote array and retry after waiting for a while. |
| 582a0b6 | DMER82A0B6: The S-VOL in the remote array does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote array and retry after waiting for a while. |
| 582a0b7 | DMER82A0B7: The S-VOL in the remote array does not exist on the default owner controller and at the same time an ownership of LU to be changed is blocked. Check the status of the remote array and retry after waiting for a while. |

| Error Code | Description |
|---|---|
| 582a0b8 | DMER82A0B8: The S-VOL in the remote array cannot change an ownership of LU and at the same time it is using the sequential buffer. Check the status of the remote array and retry after waiting for a while. |
| 582a0b9 | DMER82A0B9: The S-VOL in the remote array cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 582a0ba | DMER82A0BA: The S-VOL in the remote array cannot change an ownership of LU and at the same time it has pinned data. Contact the service personnel. |
| 582a0bb | DMER82A0BB: The S-VOL in the remote array cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 582a0bc | DMER82A0BC: The S-VOL in the remote array cannot change an ownership of LU temporarily. Retry after waiting for a while. |
| 582a0bd | DMER82A0BD: The S-VOL in the remote array cannot change an ownership of LU and a time-out occurred. Check the status of the remote array and retry after waiting for a while. |
| 582a0be | DMER82A0BE: The S-VOL in the remote array cannot change an ownership of LU, and the group number is illegal. Check the status of the remote array. |
| 582a0c0 | DMER82A0C0: The S-VOL in the remote array does not exist on the default owner controller, and its disk drives are being spun up. Check the status of the remote array and retry after waiting for a while. |
| 582a0c1 | DMER82A0C1: The S-VOL in the remote array does not exist on the default owner controller, and the array is performing the system copy. Check the status of the remote array and retry after waiting for a while. |
| 582a0c2 | DMER82A0C2: The S-VOL in the remote array does not exist on the default owner controller, and the array is writing the configuration information. Check the status of the remote array and retry after waiting for a while. |
| 582a0d1 | DMER82A0D1: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group. |
| 582a0d2 | DMER82A0D2: The S-VOL pool number in the remote array is not same as the one that is being used for SnapShot. Confirm the indicated data pool number in the remote array. |
| 582a0d3 | DMER82A0D3: The license has expired. Purchase the license. |
| 582a0db | DMER82A0DB: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number. |
| 582a0dd | DMER82A0DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel. |
| 582a0de | DMER82A0DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed. |
| 582a0e1 | DMER82A0E1: The operation to change LU has become timeout while the controller in the remote array is recovering. Retry the operation after the controller is recovered. |
| 582a0e3 | DMER82A0E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal. |

7

# Alerts Produced by Hitachi Device Manager Software

Hitachi Device Manager outputs alerts to the event log or to the syslog file on the Device Manager Server. This chapter lists and describes those alerts.


- ☐ Alerts Output by Hitachi Device Manager
- ☐ Trap Information Output by Storage Subsystems
- ☐ Alerts about Storage Subsystem Components

# Alerts Output by Hitachi Device Manager

The Hitachi Device Manager outputs alerts to the event log or to the syslog file on the Device Manager Server. These alerts are categorized into the following seven types:

- **Trap information output by storage subsystems** (see Trap Information Output by Storage Subsystems):
  - Trap information output by both the Lightning 9900V and 9900 subsystems:

    Alert IDs KAID00001 to KAID00372 (see Table 7-1).
  - Trap information output for only the Lightning 9900:

    Alert IDs KAID00501 to KAID00509 (see Table 7-2).
  - Trap information output for only the Lightning 9900V:

    Alert IDs KAID00701 to KAID00893 (see Table 7-3).
  - Trap information output for the Hitachi USP:

    Alert IDs KAID00901 to KAID00978 (see Table 7-4).
  - Trap information output for the Universal Storage Platform V/VM:

    Alert IDs KAID01001 to KAID01177 (see Table 7-5).
- **Alerts about storage subsystem components** (see Alerts about Storage Subsystem Components):
  - Alerts about components for the Universal Storage Platform V/VM, Hitachi USP, Lightning 9900V and Lightning 9900 subsystems:

    Alert IDs KAID10001 to KAID10012 (see Table 7-6).
  - Alerts about components for the Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200 subsystems:

    Alert IDs KAID11001 to KAID11023 (see Table 7-7).

An alert level is added to each alert ID as follows:

- I (Informational): Normal.
- W (Warning): Moderate or Service.
- E (Error): Acute or Serious.

# Trap Information Output by Storage Subsystems

This section contains:

- Trap Information output by both the Lightning 9900V and 9900 subsystems:

  Alert IDs KAID00001 to KAID00372 (Table 7-1)
- Trap information output for only the Lightning 9900:

  Alert IDs KAID00501 to KAID00509 (Table 7-2)
- Trap information output for only the Lightning 9900V:

  Alert IDs KAID00701 to KAID00893 (Table 7-3)
- Trap information output for only the Hitachi USP:

  Alert IDs KAID00901 to KAID00978 (Table 7-4)
- Trap information output for only the Universal Storage Platform V/VM:

  Alert IDs KAID01001 to KAID01177 (Table 7-5)

**Table 7-1 KAID00001 to KAID00399: Trap Information Output by Lightning 9900V and 9900 Subsystems**

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00001 | LCP ERROR | LCM HARDWARE ERROR |
| KAID00002 | LCP ERROR | ADP PERMANENT ERROR |
| KAID00003 | FCP ERROR | AL_PA VALUE CONFLICT |
| KAID00004 | PROCESSOR(CHA) ERROR | CHK1A THRESHOLD OVER |
| KAID00005 | PROCESSOR(CHA) ERROR | CHK1B THRESHOLD OVER |
| KAID00006 | PROCESSOR(CHA) ERROR | CHK3 THRESHOLD OVER |
| KAID00007 | PROCESSOR(CHA) ERROR | PROCESSOR BLOCKING |
| KAID00008 | PROCESSOR(CHA) ERROR | FM THRESHOLD OVER |
| KAID00009 | PROCESSOR(CHA) ERROR | FM ERROR |
| KAID00010 | PROCESSOR(CHA) ERROR | INCORRECT FM SUM |
| KAID00011 | PROCESSOR(CHA) ERROR | LDEV BLOCKADE(EFFECT OF PROCESSOR BLOCKADE) |
| KAID00012 | PROCESSOR(CHA) ERROR | P/S OFF IMPOSSIBLE |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00013 | PROCESSOR(CHA) ERROR | P/S OFF IMPOSSIBLE(DEVICE RESERVED) |
| KAID00014 | PROCESSOR(CHA) ERROR | UNDEFINED PCB IS MOUNTED |
| KAID00015 | PROCESSOR(CHA) ERROR | V-R OR SERIAL NUMBER IS INCONSISTENT |
| KAID00016 | PROCESSOR(CHA) ERROR | RAID5 BOOSTER IS INCONSISTENT |
| KAID00017 | PROCESSOR(CHA) ERROR | REPLACE FAILED |
| KAID00018 | PROCESSOR(CHA) ERROR | MICROCODE VERSION UP |
| KAID00019 | PROCESSOR(CHA) ERROR | MICROCODE VERSION UP IMPOSSIBLE |
| KAID00020 | PROCESSOR(CHA) ERROR | PACKAGE TYPE CHANGED |
| KAID00021 | PROCESSOR(CHA) ERROR | PACKAGE TYPE EXCHANGE IMPOSSIBLE |
| KAID00022 | PROCESSOR(CHA) ERROR | PACKAGE TYPE EXCHANGE IMPOSSIBLE |
| KAID00023 | PROCESSOR(CHA) ERROR | PACKAGE TYPE CHANGED |
| KAID00024 | PROCESSOR(CHA) ERROR | WARNING OF SM DISABLE |
| KAID00025 | PROCESSOR(CHA) ERROR | SMA SLAVE ERROR |
| KAID00026 | PROCESSOR(CHA) ERROR | MPA SLAVE ERROR |
| KAID00027 | PROCESSOR(CHA) ERROR | INJUSTICE DC VOLTAGE CONTROL |
| KAID00028 | PROCESSOR(CHA) ERROR | INJUSTICE CE MODE |
| KAID00029 | PROCESSOR(CHA) ERROR | CHT PCB EXCHANGE IMPOSSIBLE (4GL<->4GS) |
| KAID00030 | PROCESSOR(DKA) ERROR | CHK1A THRESHOLD OVER |
| KAID00031 | PROCESSOR(DKA) ERROR | CHK1B THRESHOLD OVER |
| KAID00032 | PROCESSOR(DKA) ERROR | CHK3 THRESHOLD OVER |
| KAID00033 | PROCESSOR(DKA) ERROR | PROCESSOR BLOCKING |
| KAID00034 | PROCESSOR(DKA) ERROR | FM THRESHOLD OVER |
| KAID00035 | PROCESSOR(DKA) ERROR | FM ERROR |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00036 | PROCESSOR(DKA) ERROR | INCORRECT FM SUM |
| KAID00037 | PROCESSOR(DKA) ERROR | LDEV BLOCKADE(EFFECT OF PROCESSOR BLOCKADE) |
| KAID00038 | PROCESSOR(DKA) ERROR | P/S OFF IMPOSSIBLE |
| KAID00039 | PROCESSOR(DKA) ERROR | P/S OFF IMPOSSIBLE(DEVICE RESERVED) |
| KAID00040 | PROCESSOR(DKA) ERROR | UNDEFINED PCB IS MOUNTED |
| KAID00041 | PROCESSOR(DKA) ERROR | V-R OR SERIAL NUMBER IS INCONSISTENT |
| KAID00042 | PROCESSOR(DKA) ERROR | RAID5 BOOSTER IS INCONSISTENT |
| KAID00043 | PROCESSOR(DKA) ERROR | REPLACE FAILED |
| KAID00044 | PROCESSOR(DKA) ERROR | MICROCODE VERSION UP |
| KAID00045 | PROCESSOR(DKA) ERROR | MICROCODE VERSION UP IMPOSSIBLE |
| KAID00046 | PROCESSOR(DKA) ERROR | PACKAGE TYPE CHANGED |
| KAID00047 | PROCESSOR(DKA) ERROR | WARNING OF SM DISABLE |
| KAID00048 | PROCESSOR(DKA) ERROR | SMA SLAVE ERROR |
| KAID00049 | PROCESSOR(DKA) ERROR | MPA SLAVE ERROR |
| KAID00050 | PROCESSOR(DKA) ERROR | INJUSTICE DC VOLTAGE CONTROL |
| KAID00051 | PROCESSOR(DKA) ERROR | INJUSTICE CE MODE |
| KAID00052 | PROCESSOR(DKA) ERROR | FSW LED BUS TEST ERROR |
| KAID00053 | PROCESSOR(DKA) ERROR | TACHYON ERROR |
| KAID00054 | SHSN ERROR | LOGICAL PATH BLOCKADE(CHA) |
| KAID00055 | SHSN ERROR | LOGICAL PATH BLOCKADE(DKA) |
| KAID00056 | CHSN ERROR | LOGICAL PATH BLOCKADE(CHA CARB0) |
| KAID00057 | CHSN ERROR | LOGICAL PATH BLOCKADE(CHA CARB1) |
| KAID00058 | CHSN ERROR | LOGICAL PATH BLOCKADE(DKA-DRR CARB0) |
| KAID00059 | CHSN ERROR | LOGICAL PATH BLOCKADE(DKA-DRR CARB1) |
| KAID00060 | CHSN ERROR | LOGICAL PATH BLOCKADE(DKA-FCA CARB0) |
| KAID00061 | CHSN ERROR | LOGICAL PATH BLOCKADE(DKA-FCA CARB1) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00062 | CHSN ERROR | LOGICAL PATH BLOCKADE(DKA-SCA1 CARB0) |
| KAID00063 | CHSN ERROR | LOGICAL PATH BLOCKADE(DKA-SCA1 CARB1) |
| KAID00064 | CHA CHK2 | RCHA TEMPORARY ERROR |
| KAID00065 | CHA CHK2 | RCHA BLOCKING |
| KAID00066 | DKA CHK2 | PINNED SLOT |
| KAID00067 | DKA CHK2 | DRR TEMPORARY ERROR |
| KAID00068 | DKA CHK2 | FCA TEMPORARY ERROR |
| KAID00069 | DKA CHK2 | DRR BLOCKING |
| KAID00070 | DKA CHK2 | FCA BLOCKING |
| KAID00071 | DKA CHK2 | FIBRE LOOP BLOCKING(EFFECT OF PATH INLINE FAILED) |
| KAID00072 | DKA CHK2 | LDEV BLOCKADE(EFFECT OF FCA BLOCKADE) |
| KAID00073 | CACHE ERROR | CORRECTABLE ERROR |
| KAID00074 | CACHE ERROR | CACHE TEMPORARY ERROR |
| KAID00075 | CACHE ERROR | MODULE GROUP BLOCKING |
| KAID00076 | CACHE ERROR | PACKAGE BLOCKING |
| KAID00077 | CACHE ERROR | AREA BLOCKING |
| KAID00078 | CACHE ERROR | PINNED SLOT |
| KAID00079 | CACHE ERROR | BOTH AREA FAILED |
| KAID00080 | CACHE ERROR | COEXISTENCE OF CACHE SIMM SIZES |
| KAID00081 | CACHE ERROR | AREA IS VOLATILED |
| KAID00082 | CACHE ERROR | PACKAGE IS VOLATILED |
| KAID00083 | CACHE ERROR | MODULE GROUP IS VOLATILED |
| KAID00084 | CACHE ERROR | INJUSTICE DC VOLTAGE CONTROL |
| KAID00085 | CACHE ERROR | INJUSTICE CE MODE |
| KAID00086 | CACHE ERROR | CORRECTABLE ERROR(2 BITS ERROR) |
| KAID00087 | CACHE ERROR | ON DEMAND FAILURE CMG DETECTED |
| KAID00088 | SHARED MEMORY ERROR | CORRECTABLE ERROR |
| KAID00089 | SHARED MEMORY ERROR | UNCORRECTABLE ERROR |
| KAID00090 | SHARED MEMORY ERROR | AREA BLOCKING |
| KAID00091 | SHARED MEMORY ERROR | REAL MEMORY SIZE INCONSISTENT |
| KAID00092 | SHARED MEMORY ERROR | REPLACE FAILED |
| KAID00093 | SHARED MEMORY ERROR | BOTH SIDE INVALID |
| KAID00094 | SHARED MEMORY ERROR | CONFIGURATION INFORMATION COMPARE ERROR |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00095 | SHARED MEMORY ERROR | SHARED MEMORY IS VOLATILED |
| KAID00096 | SHARED MEMORY ERROR | CONFIGURATION UNMATCH |
| KAID00097 | SHARED MEMORY ERROR | DKCMAIN MICRO LOST |
| KAID00098 | SHARED MEMORY ERROR | CHK3 THRESHOLD OVER |
| KAID00099 | SHARED MEMORY ERROR | ON DEMAND FAILURE CMG DETECTED |
| KAID00100 | SHARED MEMORY ERROR | AREA TEMPORARY BLOCKING |
| KAID00101 | SHARED MEMORY ERROR | REBOOTED WITHOUT VOLATILIZATION |
| KAID00102 | SHARED MEMORY ERROR | CONFIGURATION CHECK |
| KAID00103 | SHARED MEMORY ERROR | LOSS OF DUPLICATED INFORMATION |
| KAID00104 | SHARED MEMORY ERROR | ONE SIDE AREA IS VOLATILED |
| KAID00105 | DRIVE ERROR(NORMAL R/W) | DRIVE PORT TEMPORARY ERROR(PATH 0) |
| KAID00106 | DRIVE ERROR(NORMAL R/W) | DRIVE PORT TEMPORARY ERROR(PATH 1) |
| KAID00107 | DRIVE ERROR(NORMAL R/W) | DRIVE TEMPORARY ERROR |
| KAID00108 | DRIVE ERROR(NORMAL R/W) | DRIVE MEDIA ERROR |
| KAID00109 | DRIVE ERROR(NORMAL R/W) | DRIVE PORT BLOCKADE(PATH 0) |
| KAID00110 | DRIVE ERROR(NORMAL R/W) | DRIVE PORT BLOCKADE(PATH 1) |
| KAID00111 | DRIVE ERROR(NORMAL R/W) | DRIVE BLOCKADE(DRIVE ERROR) |
| KAID00112 | DRIVE ERROR(NORMAL R/W) | DRIVE BLOCKADE(EFFECT OF DRIVE COPY NORMAL END) |
| KAID00113 | DRIVE ERROR(NORMAL R/W) | DRIVE BLOCKADE(MEDIA) |
| KAID00114 | DRIVE ERROR(NORMAL R/W) | LDEV BLOCKADE(EFFECT OF FIBRE BLOCKADE)(PATH 0) |
| KAID00115 | DRIVE ERROR(NORMAL R/W) | LDEV BLOCKADE(EFFECT OF FIBRE BLOCKADE)(PATH 1) |
| KAID00116 | DRIVE ERROR(NORMAL R/W) | LDEV BLOCKADE(EFFECT OF DRIVE BLOCKADE) |
| KAID00117 | DRIVE ERROR(NORMAL R/W) | CORRECTION COPY START |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00118 | DRIVE ERROR(NORMAL R/W) | CORRECTION COPY NORMAL END |
| KAID00119 | DRIVE ERROR(NORMAL R/W) | CORRECTION COPY ABNORMAL END |
| KAID00120 | DRIVE ERROR(NORMAL R/W) | CORRECTION COPY DISCONTINUED |
| KAID00121 | DRIVE ERROR(NORMAL R/W) | CORRECTION COPY WARNING END |
| KAID00122 | DRIVE ERROR(NORMAL R/W) | DYNAMIC SPARING(DRIVE COPY)START |
| KAID00123 | DRIVE ERROR(NORMAL R/W) | DYNAMIC SPARING(DRIVE COPY)NORMAL END |
| KAID00124 | DRIVE ERROR(NORMAL R/W) | DYNAMIC SPARING(DRIVE COPY)ABNORMAL END |
| KAID00125 | DRIVE ERROR(NORMAL R/W) | DYNAMIC SPARING(DRIVE COPY)DISCONTINUED |
| KAID00126 | DRIVE ERROR(NORMAL R/W) | DYNAMIC SPARING(DRIVE COPY)WARNING END |
| KAID00127 | DRIVE ERROR(NORMAL R/W) | INCORRECT SERIAL NUMBER IN MICRO EXCHANGE |
| KAID00128 | DRIVE ERROR(NORMAL R/W) | PINNED SLOT |
| KAID00129 | DRIVE ERROR(NORMAL R/W) | LDEV READ ONLY |
| KAID00130 | PAIR VOLUME STATUS ERROR | REMOTE COPY START |
| KAID00131 | PAIR VOLUME STATUS ERROR | REMOTE COPY START |
| KAID00132 | PAIR VOLUME STATUS ERROR | REMOTE COPY START |
| KAID00133 | PAIR VOLUME STATUS ERROR | REMOTE COPY NORMAL END |
| KAID00134 | PAIR VOLUME STATUS ERROR | REMOTE COPY NORMAL END |
| KAID00135 | PAIR VOLUME STATUS ERROR | REMOTE COPY NORMAL END |
| KAID00136 | PAIR VOLUME STATUS ERROR | PAIR END |
| KAID00137 | PAIR VOLUME STATUS ERROR | PAIR END |
| KAID00138 | PAIR VOLUME STATUS ERROR | PAIR END |
| KAID00139 | PAIR VOLUME STATUS ERROR | PAIR STATUS CHANGED |
| KAID00140 | PAIR VOLUME STATUS ERROR | PAIR STATUS CHANGED |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00141 | PAIR VOLUME STATUS ERROR | PAIR STATUS CHANGED |
| KAID00142 | PAIR VOLUME STATUS ERROR | PAIR END |
| KAID00143 | PAIR VOLUME STATUS ERROR | PAIR END |
| KAID00144 | PAIR VOLUME STATUS ERROR | PAIR END |
| KAID00145 | PAIR VOLUME STATUS ERROR | SUSPEND END |
| KAID00146 | PAIR VOLUME STATUS ERROR | SUSPEND END |
| KAID00147 | PAIR VOLUME STATUS ERROR | SUSPEND END |
| KAID00148 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(MCU COMMAND) |
| KAID00149 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(MCU COMMAND) |
| KAID00150 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(MCU COMMAND) |
| KAID00151 | PAIR VOLUME STATUS ERROR | HRC PAIR SUSPEND(HOST COMMAND) |
| KAID00152 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(MCU COMMAND) |
| KAID00153 | PAIR VOLUME STATUS ERROR | HRC PAIR SUSPEND(HOST COMMAND) |
| KAID00154 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(HOST COMMAND) |
| KAID00155 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(HOST COMMAND) |
| KAID00156 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(HOST COMMAND) |
| KAID00157 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(HOST COMMAND) |
| KAID00158 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(HOST COMMAND) |
| KAID00159 | PAIR VOLUME STATUS ERROR | HRC PAIR STATUS CHANGE(HOST COMMAND) |
| KAID00160 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND END(HOST COMMAND) |
| KAID00161 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND END(HOST COMMAND) |
| KAID00162 | PAIR VOLUME STATUS ERROR | PAIR END(HOST COMMAND) |
| KAID00163 | PAIR VOLUME STATUS ERROR | PAIR END(HOST COMMAND) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00164 | PAIR VOLUME STATUS ERROR | MIGRATION COPY START |
| KAID00165 | PAIR VOLUME STATUS ERROR | MIGRATION COPY NORMAL END |
| KAID00166 | PAIR VOLUME STATUS ERROR | PAIR END(HODM) |
| KAID00167 | PAIR VOLUME STATUS ERROR | ERASE START(HODM) |
| KAID00168 | PAIR VOLUME STATUS ERROR | ERASE END(HODM) |
| KAID00169 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(RIO PATH CLOSED) |
| KAID00170 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(RIO PATH CLOSED) |
| KAID00171 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(RIO PATH CLOSED) |
| KAID00172 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(M-VOL ERROR) |
| KAID00173 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(M-VOL ERROR) |
| KAID00174 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(M-VOL ERROR) |
| KAID00175 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(R-VOL ERROR) |
| KAID00176 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(R-VOL ERROR) |
| KAID00177 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(R-VOL ERROR) |
| KAID00178 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(DFW/DRV CACHE OFF) |
| KAID00179 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(DFW/DRV CACHE OFF) |
| KAID00180 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(DFW/DRV CACHE OFF) |
| KAID00181 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(SUSPEND REPORT) |
| KAID00182 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(SUSPEND REPORT) |
| KAID00183 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(SUSPEND REPORT) |
| KAID00184 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(SIMPLEX REPORT) |
| KAID00185 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(SIMPLEX REPORT) |
| KAID00186 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(SIMPLEX REPORT) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00187 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(PATH CLOSED) |
| KAID00188 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(PATH CLOSED) |
| KAID00189 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(PATH CLOSED) |
| KAID00190 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(ERROR) |
| KAID00191 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(ERROR) |
| KAID00192 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(ERROR) |
| KAID00193 | PAIR VOLUME STATUS ERROR | ERASE FAIL(HODM) |
| KAID00194 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(MCU P/S OFF) |
| KAID00195 | PAIR VOLUME STATUS ERROR | PAIR SUSPEND(MCU P/S OFF) |
| KAID00196 | PAIR VOLUME STATUS ERROR | SIM REPORT(SERVICE) |
| KAID00197 | PAIR VOLUME STATUS ERROR | SIM REPORT(SERVICE) |
| KAID00198 | PAIR VOLUME STATUS ERROR | SIM REPORT(SERVICE) |
| KAID00199 | PAIR VOLUME STATUS ERROR | SIM REPORT(MODERATE) |
| KAID00200 | PAIR VOLUME STATUS ERROR | SIM REPORT(MODERATE) |
| KAID00201 | PAIR VOLUME STATUS ERROR | SIM REPORT(MODERATE) |
| KAID00202 | PAIR VOLUME STATUS ERROR | SIM REPORT(ACUTE/SERIOUS) |
| KAID00203 | PAIR VOLUME STATUS ERROR | SIM REPORT(ACUTE/SERIOUS) |
| KAID00204 | PAIR VOLUME STATUS ERROR | SIM REPORT(ACUTE/SERIOUS) |
| KAID00205 | PAIR VOLUME STATUS ERROR | PAIR STATUS INCORRECT |
| KAID00206 | PAIR VOLUME STATUS ERROR | PAIR STATUS INCORRECT |
| KAID00207 | PAIR VOLUME STATUS ERROR | PAIR STATUS INCORRECT |
| KAID00208 | HMRCF/HOMRCF ERROR | COPY START |
| KAID00209 | HMRCF/HOMRCF ERROR | COPY COMPLETE |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00210 | HMRCF/HOMRCF ERROR | SPLIT START |
| KAID00211 | HMRCF/HOMRCF ERROR | SPLIT COMPLETE |
| KAID00212 | HMRCF/HOMRCF ERROR | PAIR RESYNC START |
| KAID00213 | HMRCF/HOMRCF ERROR | PAIR RESYNC END |
| KAID00214 | HMRCF/HOMRCF ERROR | BACKUP SERVER ERROR(BACKUP FAILED) |
| KAID00215 | HMRCF/HOMRCF ERROR | BACKUP SERVER ERROR(LACK OF TAPE MEDIA) |
| KAID00216 | HMRCF/HOMRCF ERROR | BACKUP SERVER ERROR(LACK OF TAPE DEVICE) |
| KAID00217 | HMRCF/HOMRCF ERROR | BACKUP SERVER ERROR(MULTIPLE PROCESS ERROR) |
| KAID00218 | HMRCF/HOMRCF ERROR | PAIR COMPLETE |
| KAID00219 | HMRCF/HOMRCF ERROR | PAIR SUSPEND |
| KAID00220 | HMRCF/HOMRCF ERROR | PAIR SUSPEND |
| KAID00221 | HMRCF/HOMRCF ERROR | COPY WARNING END |
| KAID00222 | HMRCF/HOMRCF ERROR | COPY ABNORMAL END(S-VOL CLOSED) |
| KAID00223 | HMRCF/HOMRCF ERROR | COPY ABNORMAL END(T-VOL CLOSED) |
| KAID00224 | HMRCF/HOMRCF ERROR | COPY ABNORMAL END |
| KAID00225 | HMRCF/HOMRCF ERROR | RESERVE VOL DECREASE TO 1 (LDEV FAILED) |
| KAID00226 | HMRCF/HOMRCF ERROR | RESERVE VOL DECREASE TO 0 (LDEV FAILED) |
| KAID00227 | HMRCF/HOMRCF ERROR | ALL SP-PEND SUSPEND BY SM VOLATILE |
| KAID00228 | HMRCF/HOMRCF ERROR | IMPOSSIBLE TO CONTINUE HMRCF/HOMRCF COPY |
| KAID00229 | HMRCF/HOMRCF ERROR | INITIALIZE OF EXTENDED TABLE START |
| KAID00230 | HMRCF/HOMRCF ERROR | INITIALIZE OF EXTENDED TABLE COMPLETE |
| KAID00231 | HMRCF/HOMRCF ERROR | INITIALIZE OF EXTENDED TABLE ABEND |
| KAID00232 | HIHSM | VOLUME MIGRATION FAILED(CU#=0) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00233 | HIHSM | VOLUME MIGRATION FAILED(CU#=1) |
| KAID00234 | HIHSM | VOLUME MIGRATION FAILED(CU#=2) |
| KAID00235 | HIHSM | VOLUME MIGRATION FAILED(CU#=3) |
| KAID00236 | HIHSM | VOLUME MIGRATION FAILED |
| KAID00237 | HXRC ERROR | SIDE FILE 40% OVER |
| KAID00238 | DRIVE ERROR(ORM) | FIBRE TEMPORARY ERROR(PATH 0) |
| KAID00239 | DRIVE ERROR(ORM) | FIBRE TEMPORARY ERROR(PATH 1) |
| KAID00240 | DRIVE ERROR(ORM) | DRIVE TEMPORARY ERROR |
| KAID00241 | DRIVE ERROR(ORM) | DRIVE MEDIA ERROR |
| KAID00242 | POWER ERROR | HDU POWER-OFF DETECTED |
| KAID00243 | POWER ERROR | HDU POWER RECOVERY |
| KAID00244 | POWER ERROR | POWER FAILURE MODE SET |
| KAID00245 | POWER ERROR | POWER FAILURE MODE RESET |
| KAID00246 | POWER ERROR | DESTAGING STARTUP NORMAL |
| KAID00247 | POWER ERROR | DESTAGING STARTUP FAILED |
| KAID00248 | POWER ERROR | AC LINE OFF |
| KAID00249 | POWER ERROR | AC LINE OFF RECOVER |
| KAID00250 | POWER ERROR | UPS BATTERY FAIL |
| KAID00251 | POWER ERROR | URGENT DESTAGING START |
| KAID00252 | POWER ERROR | URGENT DESTAGING END |
| KAID00253 | SVP I/F ERROR (CHA) | ETHERNET ERROR FOR SVP |
| KAID00254 | SVP I/F ERROR (CHA) | SIM TRANSFER FAILURE TO SVP |
| KAID00255 | SVP I/F ERROR (DKA) | ETHERNET ERROR FOR SVP |
| KAID00256 | SVP I/F ERROR (DKA) | SIM TRANSFER FAILURE TO SVP |
| KAID00257 | CSW ERROR | INJUSTICE DC VOLTAGE CONTROL |
| KAID00258 | CSW ERROR | INJUSTICE CE MODE |
| KAID00259 | ENVIRONMENTAL ERROR | TEMPERATURE(OVER 60 DEGREE) |
| KAID00260 | ENVIRONMENTAL ERROR | TEMPERATURE(OVER 60 DEGREE) |
| KAID00261 | ENVIRONMENTAL ERROR | TEMPERATURE(OVER 45 DEGREE) |
| KAID00262 | ENVIRONMENTAL ERROR | TEMPERATURE(OVER 45 DEGREE) |
| KAID00263 | ENVIRONMENTAL ERROR | 5 VOLTAGE ALARM |
| KAID00264 | ENVIRONMENTAL ERROR | 3 VOLTAGE ALARM |
| KAID00266 | ENVIRONMENTAL ERROR | VOLTAGE(SM 3V) WARNING |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00267 | ENVIRONMENTAL ERROR | VOLTAGE(CM 3V) WARNING |
| KAID00268 | ENVIRONMENTAL ERROR | 5/3V PS WARNING |
| KAID00269 | ENVIRONMENTAL ERROR | 5/3V PS WARNING |
| KAID00270 | ENVIRONMENTAL ERROR | 3V PS WARNING |
| KAID00271 | ENVIRONMENTAL ERROR | 3V PS WARNING |
| KAID00272 | ENVIRONMENTAL ERROR | 3V PS WARNING |
| KAID00273 | ENVIRONMENTAL ERROR | 3V PS WARNING |
| KAID00274 | ENVIRONMENTAL ERROR | SUB PS WARNING |
| KAID00276 | ENVIRONMENTAL ERROR | HDD MPS1 WARNING |
| KAID00277 | ENVIRONMENTAL ERROR | BATTERY WARNING |
| KAID00278 | ENVIRONMENTAL ERROR | BATTERY WARNING |
| KAID00279 | ENVIRONMENTAL ERROR | BATTERY WARNING |
| KAID00280 | ENVIRONMENTAL ERROR | BATTERY WARNING |
| KAID00281 | ENVIRONMENTAL ERROR | BATTERY WARNING |
| KAID00283 | ENVIRONMENTAL ERROR | BATTERY WARNING (DIAG) |
| KAID00284 | ENVIRONMENTAL ERROR | BATTERY WARNING (DIAG) |
| KAID00285 | ENVIRONMENTAL ERROR | BATTERY WARNING (DIAG) |
| KAID00286 | ENVIRONMENTAL ERROR | BATTERY WARNING (DIAG) |
| KAID00287 | ENVIRONMENTAL ERROR | AC WARNING |
| KAID00289 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN12B |
| KAID00290 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN21B |
| KAID00291 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN12A |
| KAID00292 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN21A |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00293 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN11B |
| KAID00294 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN22B |
| KAID00295 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN11A |
| KAID00296 | ENVIRONMENTAL ERROR | FAN ABNORMALITY FLGFAN22A |
| KAID00297 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN11B |
| KAID00298 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN22B |
| KAID00299 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN11A |
| KAID00300 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN22A |
| KAID00301 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN12B |
| KAID00302 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN21B |
| KAID00303 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN12A |
| KAID00304 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RLGFAN21A |
| KAID00305 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN11B |
| KAID00306 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN22B |
| KAID00307 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN11A |
| KAID00308 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN22A |
| KAID00309 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN12B |
| KAID00310 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN21B |
| KAID00311 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN12A |
| KAID00312 | ENVIRONMENTAL ERROR | FAN ABNORMALITY RPSFAN21A |
| KAID00313 | ENVIRONMENTAL ERROR | JP SETTING FAILURE (DKC ALARM INHIBITION JP) |
| KAID00314 | ENVIRONMENTAL ERROR | JP SETTING FAILURE (HDU0-3 ALARM INHIBITION JP) |
| KAID00315 | ENVIRONMENTAL ERROR | JP SETTING FAILURE (HDU4-7 ALARM INHIBITION JP) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00316 | ENVIRONMENTAL ERROR | JP SETTING FAILURE (SVP PS OFF/ON INHIBITION JP) |
| KAID00317 | ENVIRONMENTAL MONITOR ERROR | ENVIRONMENT MONITOR ACCESS ERROR |
| KAID00318 | ENVIRONMENTAL MONITOR ERROR | ENVIRONMENT MONITOR ACCESS ERROR DKCMN1 |
| KAID00319 | ENVIRONMENTAL MONITOR ERROR | ENVIRONMENT MONITOR ACCESS ERROR DKCMN2 |
| KAID00320 | ENVIRONMENTAL MONITOR ERROR | ENVIRONMENT MONITOR BUSY |
| KAID00321 | ENVIRONMENTAL MONITOR ERROR | DIAGNOSTIC MODE SETTING FAILURE |
| KAID00322 | ENVIRONMENTAL MONITOR ERROR | INCORRECT DKCMN TYPE |
| KAID00323 | ENVIRONMENTAL MONITOR ERROR | ALARM DISAGREEMENT ERROR |
| KAID00324 | ENVIRONMENTAL MONITOR ERROR | ALARM DISAGREEMENT ERROR DKCMN1 |
| KAID00325 | ENVIRONMENTAL MONITOR ERROR | ALARM DISAGREEMENT ERROR DKCMN2 |
| KAID00326 | ENVIRONMENTAL MONITOR ERROR | DISAGREEMENT ERROR OF P/S |
| KAID00327 | ENVIRONMENTAL MONITOR ERROR | DISAGREEMENT ERROR OF P/S DKCMN1 |
| KAID00328 | ENVIRONMENTAL MONITOR ERROR | DISAGREEMENT ERROR OF P/S DKCMN2 |
| KAID00329 | SVP ERROR | LOGICAL INCONSISTENCY |
| KAID00330 | SVP ERROR | HEAP ERROR |
| KAID00331 | SVP ERROR | FILE ERROR |
| KAID00332 | SVP ERROR | LAN ERROR |
| KAID00333 | SVP ERROR | S-SVP ERROR |
| KAID00334 | SVP ERROR | WINDOWS ERROR |
| KAID00335 | SVP ERROR | CUDG3 DETECTED ERROR |
| KAID00336 | SVP ERROR | LCDG3 DETECTED ERROR |
| KAID00337 | SVP ERROR | BOOT DETECTED ERROR(CHA) |
| KAID00338 | SVP ERROR | BOOT DETECTED ERROR(DKA) |
| KAID00339 | SVP ERROR | ROUTER ERROR |
| KAID00340 | SVP ERROR | FD REMAINS IN FDD |
| KAID00341 | PERIODIC CHECK ERROR | OVER LIFE SPAN OF BATTERY |
| KAID00342 | END STATUS OF REMOTE MICRO EXCHANGE | NORMAL END |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00343 | END STATUS OF REMOTE MICRO EXCHANGE | ABNORMAL END(SVP) |
| KAID00344 | END STATUS OF REMOTE MICRO EXCHANGE | ABNORMAL END(MP) |
| KAID00345 | END STATUS OF REMOTE MICRO EXCHANGE | VERSION CHK ERROR |
| KAID00346 | END STATUS OF REMOTE MICRO EXCHANGE | SUM CHK ERROR |
| KAID00347 | END STATUS OF REMOTE MICRO EXCHANGE | LCP PATCH ERROR |
| KAID00348 | END STATUS OF REMOTE MICRO EXCHANGE | WARNING(CONFIGURATION INCONSISTENCY) |
| KAID00349 | END STATUS OF REMOTE MICRO EXCHANGE | WARNING(S-SVP BUSY) |
| KAID00350 | END STATUS OF REMOTE MICRO EXCHANGE | WARNING(LCP BUSY) |
| KAID00351 | DKC INTERNAL ERROR | SSB(24 BYTE FORM) REPORTED |
| KAID00352 | DKC INTERNAL ERROR | SSB(32 BYTE FORM) REPORTED |
| KAID00353 | HOST I/F ERROR | BUSOUT PARITY ERROR |
| KAID00354 | HOST I/F ERROR | DATA OVERRUN |
| KAID00355 | HOST I/F ERROR | OFFLINE SEQUENCE |
| KAID00356 | HOST I/F ERROR | INCIDENT |
| KAID00357 | SVP ERROR | FLASH MEMORY ERROR |
| KAID00358 | TRIAL KEY | WARNING OF TRIAL PERIOD |
| KAID00359 | SIM RESTRAINT | DUMMY |
| KAID00360 | DUMP RECEIVED | WCHK1 DUMP(CHA) |
| KAID00361 | DUMP RECEIVED | ABEND DUMP(CHA) |
| KAID00362 | DUMP RECEIVED | WCHK1 DUMP(DKA) |
| KAID00363 | DUMP RECEIVED | ABEND DUMP(DKA) |
| KAID00364 | BACKUP SERVER | BACKUP SERVER FAILURE DETECTED BY SVP |
| KAID00365 | BACKUP SERVER | ATL FAILURE |
| KAID00366 | BACKUP SERVER | MT FAILURE |
| KAID00367 | BACKUP SERVER | OS FAILURE |
| KAID00368 | BACKUP SERVER | NETWORKER ERROR |
| KAID00369 | BACKUP SERVER | APPLICATION ERROR |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field (all or part of the displayed information) |
|---|---|---|
| KAID00370 | DRIVE ERROR | PRE STAGING START |
| KAID00371 | DRIVE ERROR | PRE STAGING NORMAL END |
| KAID00372 | DRIVE ERROR | PRE STAGING ABNORMAL END |

### Table 7-2 KAID00501 to KAID00599: Trap Information Output by the Lightning 9900 Subsystem

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID00501 | LCP ERROR | ADP TEMPORARY ERROR |
| KAID00502 | LCP ERROR | ADP BLOCKING |
| KAID00503 | LCP ERROR | RIO PATH CLOSED |
| KAID00504 | LCP ERROR | RIO PATH AUTOMATICALLY RECOVERED |
| KAID00505 | LCP ERROR | LOGICAL PATH(REMOTE COPY) CLOSED |
| KAID00506 | ENVIRONMENTAL ERROR | 12 VOLTAGE ALARM |
| KAID00507 | ENVIRONMENTAL ERROR | HDD MPS0 WARNING |
| KAID00508 | ENVIRONMENTAL ERROR | BATTERY WARNING (DIAG) |
| KAID00509 | ENVIRONMENTAL ERROR | FAN ABNORMALITY |

### Table 7-3 KAID00701 to KAID00899: Trap Information Output by the Lightning 9900V Subsystem

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID00701 | LCP ERROR | ADP TEMPORARY ERROR |
| KAID00702 | LCP ERROR | ADP BLOCKING |
| KAID00703 | LCP ERROR | RIO PATH CLOSED |
| KAID00704 | LCP ERROR | RIO PATH AUTOMATICALLY RECOVERED |
| KAID00710 | HTP ERROR | HTP HARD ERROR |
| KAID00711 | HTP ERROR | HTP PATH BLOCKAGE |
| KAID00712 | HTP ERROR | HTP BLOCKAGE |
| KAID00730 | HMRCF/HOMRCF ERROR | ShadowImage ABNORMAL END BY SM VOLATILE |
| KAID00731 | HMRCF/HOMRCF ERROR | ShadowImage ABNORMAL END |
| KAID00751 | ENVIRONMENT ERROR | ABNORMAL SVP PS Cluster-1 |
| KAID00752 | ENVIRONMENT ERROR | ABNORMAL SVP PS Cluster-2 |
| KAID00801 | SVP DETECTED ERROR | ABNORMAL AC |
| KAID00802 | SVP DETECTED ERROR | ABNORMAL AC RECOVERING |
| KAID00803 | SVP DETECTED ERROR | ABNORMAL UPS BATTERY |
| KAID00804 | SVP DETECTED ERROR | EMERGENCY DESTAGE START |
| KAID00805 | SVP DETECTED ERROR | EMERGENCY DESTAGE END |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID00820 | PROCESSOR (NAS OS CHA) ERROR | PROCESSOR FOR NAS OS ERROR |
| KAID00821 | PROCESSOR (NAS OS CHA) ERROR | PROCESSOR FOR NAS OS ENVIRONMENT ERROR |
| KAID00822 | PROCESSOR (NAS OS CHA) ERROR | NAS OS ERROR |
| KAID00823 | PROCESSOR (NAS OS CHA) ERROR | BUS FOR NAS OS ERROR |
| KAID00824 | PROCESSOR (NAS OS CHA) ERROR | NETWORK PORT ERROR |
| KAID00850 | PAIR VOLUME STATUS ERROR | P-VOL SUSPEND (continue) |
| KAID00851 | PAIR VOLUME STATUS ERROR | P-VOL SUSPEND (complete) |
| KAID00852 | PAIR VOLUME STATUS ERROR | SUSPENDED (complete) P-VOL ACCEPT UPDATE IO |
| KAID00880 | SHARED MEMORY ERROR | HPAV MICRO LOST |
| KAID00890 | ENVIRONMENTAL ERROR | 12 VOLTAGE ALARM |
| KAID00891 | ENVIRONMENTAL ERROR | HDD MPS0 WARNING |
| KAID00892 | ENVIRONMENTAL ERROR | BATTERY WARNING (DIAG) |
| KAID00893 | ENVIRONMENTAL ERROR | FAN ABNORMALITY |

## Table 7-4 KAID00901 to KAID00999: Trap Information Output by the Hitachi USP Subsystem

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID00901 | LCP/FCP/HTP error | ADP temporary error |
| KAID00902 | LCP/FCP/HTP error | ADP blocking |
| KAID00903 | LCP/FCP/HTP error | HTP hardware error |
| KAID00904 | LCP/FCP/HTP error | HTP path temporary error |
| KAID00905 | LCP/FCP/HTP error | HTP path blockage |
| KAID00906 | LCP/FCP/HTP error | HTP blockage |
| KAID00907 | CHA Processor error | CHA patrol check error |
| KAID00908 | CHA Processor error | CHA memory correctable error |
| KAID00909 | CHA NAS OS Processor failure | NAS OS Processor failure |
| KAID00910 | CHA NAS OS Processor failure | NAS OS Processor Environmental Error |
| KAID00911 | CHA NAS OS Processor failure | NAS OS failure : Occurrence of a failover or a resource (failure part not reported) |
| KAID00912 | CHA NAS OS Processor failure | NAS OS failure |
| KAID00913 | CHA NAS OS Processor failure | NAS OS bus error |
| KAID00914 | CHA NAS OS Processor failure | Network port failure |
| KAID00915 | DKA Processor error | DKA patrol check error |
| KAID00916 | DKA Processor error | DKA memory correctable error |
| KAID00917 | CHSN error | Logical path blockage (CHA-DMA1/CARB0) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID00918 | CHSN error | Logical path blockage (CHA-DMA1/CARB1) |
| KAID00919 | CHSN error | Logical path blockage (CHA-PMA/CARB0) |
| KAID00920 | CHSN error | Logical path blockage (CHA-PMA/CARB1) |
| KAID00921 | Shared memory error | SMA patrol check error |
| KAID00922 | Shared memory error | Duplicated information lost |
| KAID00923 | Shared memory error | One side volatilized |
| KAID00924 | Shared memory error | HPAV micro lost |
| KAID00925 | Shared memory error | Incorrect DC voltage controller |
| KAID00926 | Shared memory error | Incorrect CE MODE |
| KAID00927 | Drive error (normal R/W) | Drive blockage by incompatible DKU type |
| KAID00928 | Drive microcode exchange (OEM drive) | OEM drive microcode exchange start |
| KAID00929 | Drive microcode exchange (OEM drive) | OEM drive microcode exchange normal end |
| KAID00930 | Drive microcode exchange (OEM drive) | OEM drive microcode exchange abnormal end |
| KAID00931 | Drive microcode exchange (OEM drive) | OEM drive microcode exchange discontinued |
| KAID00932 | CSW error | CARB patrol check error |
| KAID00933 | CSW error | CARB memory correctable error |
| KAID00934 | SVP interface error (CHA side) | Ethernet error for SVP |
| KAID00935 | SVP interface error (CHA side) | SIM transfer failure to SVP |
| KAID00936 | SVP interface error (DKA side) | Ethernet error for SVP |
| KAID00937 | SVP interface error (DKA side) | SIM transfer failure to SVP |
| KAID00938 | Server error | DB validation error |
| KAID00939 | LCP/FCP error (Remote Control Port) | Remote copy logical path blockage (due to error status) |
| KAID00940 | LCP/FCP error (Remote Control Port) | Remote copy logical path recovery |
| KAID00941 | Pair volume error | M-VOL has been suspended (continue) |
| KAID00942 | Pair volume error | M-VOL has been suspended (complete) |
| KAID00943 | Pair volume error | The suspended (complete) M-VOL has accepted the update I/O |
| KAID00944 | LCP/FCP/HTP error | Link failure 1 |
| KAID00945 | LCP/FCP/HTP error | Link failure 2 |
| KAID00946 | Cache error | Cache Module Blockade Processing end |
| KAID00947 | Cache error | Cache Package Blockade Processing end |
| KAID00948 | Shared memory error | Recovery of area blocked temporarily was completed |
| KAID00949 | Drive error(normal R/W) | Drive blockade (drive)(RAID6 1drive blockade) |
| KAID00950 | Drive error(normal R/W) | Drive blockade (media)(RAID6 1drive blockade) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID00951 | LCP/FCP error (Remote Control Port) | MCU has received the notification of communication line error detection from extender. |
| KAID00952 | Pair volume status error | None. |
| KAID00953 | Pair volume status error | None. |
| KAID00954 | HMRCF error or HOMRCF error | ShadowImage-FlashCopy(R) Option abnormal end |
| KAID00955 | HMRCF error or HOMRCF error | ShadowImage-FlashCopy(R) version2 Option abnormal end |
| KAID00956 | HMRCF error or HOMRCF error | All ShadowImage-FlashCopy(R) version2 Option abnormal end by SM volatile |
| KAID00957 | HMRCF error or HOMRCF error | Forcible suspend by SM volatile |
| KAID00958 | Hi-Copy error | Copy abnormal end |
| KAID00959 | Copy-on Write Snapshot error | Forcible suspend by SM volatile |
| KAID00960 | Copy-on Write Snapshot error | Copy-on Write Snapshot Option abnormal end |
| KAID00961 | Pool error | Pool utilization threshold excess |
| KAID00962 | Pool error | Pool blocking |
| KAID00963 | External Subsystem Connection | External Subsystem path response time out threshold over |
| KAID00964 | Environmental error | ACDC alarm |
| KAID00965 | Environmental error | P/S warning DKU-XXX |
| KAID00966 | Environmental error | HDD-PL 56V Voltage fall 56V Voltage fall 1 |
| KAID00967 | Environmental error | HDD-PL 56V Voltage fall 56V Voltage fall 2 |
| KAID00968 | Environmental error | Battery warning |
| KAID00969 | Environmental error | AC warning (1-phase/50A) AC-BOX1 |
| KAID00970 | Environmental error | AC warning (1-phase/50A) AC-BOX2 |
| KAID00971 | Environmental error | AC warning (1-phase/30A) AC-BOX1 |
| KAID00972 | Environmental error | AC warning (1-phase/30A) AC-BOX2 |
| KAID00973 | Environmental error | Fan abnormality |
| KAID00974 | Environmental error | Fan abnormality FAN fuse blow out |
| KAID00975 | Virus detected | Clean virus from file |
| KAID00976 | Virus detected | Quarantine infected file |
| KAID00977 | Virus detected | Leave alone |
| KAID00978 | External Subsystem path blockade | External Subsystem path blockade |

## Table 7-5 KAID01001 to KAID01177: Trap Information Output by the Universal Storage Platform V/VM Subsystem

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID01001 | LCP/FCP/HTP error | ADP permanent error |
| KAID01002 | LCP/FCP/HTP error | ADP blocking |
| KAID01003 | LCP/FCP/HTP error | Link failure 1 |
| KAID01004 | LCP/FCP/HTP error | Link failure 2 |
| KAID01005 | LCP/FCP/HTP error | LCP/FCP/HTP hard error |
| KAID01006 | LCP/FCP/HTP error | LCP/FCP/HTP path blocking |
| KAID01007 | LCP/FCP/HTP error | LCP/FCP/HTP blocking |
| KAID01008 | CHA Processor error | Processor blocking |
| KAID01009 | CHA Processor error | FM error |
| KAID01010 | DKA Processor error | Processor blocking |
| KAID01011 | DKA Processor error | FM error |
| KAID01012 | CHA CHK2 | RCHA blocking |
| KAID01013 | DKA CHK2 | DRR blocking |
| KAID01014 | DKA CHK2 | FCA blocking |
| KAID01015 | Cache error | Cache Module Blockade Processing end |
| KAID01016 | Cache error | Cache Package Blockade Processing end |
| KAID01017 | Cache error | Cache temporary error |
| KAID01018 | Cache error | Module group blocking |
| KAID01019 | Cache error | Package blocking |
| KAID01020 | Cache error | Area blocking |
| KAID01021 | Shared memory error | HPAV micro lost |
| KAID01022 | Shared memory error | Recovery of area blocked temporarily was completed |
| KAID01023 | Drive error (normal R/W) | Drive blockade (drive) (with redundancy) |
| KAID01024 | Drive error (normal R/W) | Drive blockade (drive) (without redundancy) |
| KAID01025 | Drive error (normal R/W) | Drive blockade (media) (with redundancy) |
| KAID01026 | Drive error (normal R/W) | Drive blockade (media) (without redundancy) |
| KAID01027 | Drive error (normal R/W) | Correction copy warning end (With blockade LDEV or some error) |
| KAID01028 | Drive error (normal R/W) | Dynamic sparing warning end (With blockade LDEV or some error) (Drive copy) |
| KAID01029 | SVP interface error (CHA side) | Ethernet error for SVP |
| KAID01030 | SVP interface error (CHA side) | SIM transfer failure to SVP |
| KAID01031 | SVP interface error (DKA side) | Ethernet error for SVP |
| KAID01032 | SVP interface error (DKA side) | SIM transfer failure to SVP |
| KAID01033 | Power error | HDU power off |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID01034 | LCP/FCP error (Remote Control Port) | Logical path(s) on the remote copy connections was logically blocked (Due to an error conditions) |
| KAID01035 | LCP/FCP error (Remote Control Port) | The logical path has been recovered from blocked condition on the remote copy conditions. |
| KAID01036 | LCP/FCP error (Remote Control Port) | MCU has received the notification of communication line error detection from extender. |
| KAID01037 | Pair volume status error | HRC started the initial copy or out of sync for this volume. |
| KAID01038 | Pair volume status error | HRC completed the initial copy for this volume. |
| KAID01039 | Pair volume status error | HRC for this volume was deleted. (Operation from an SVP/remote console or a host processor) |
| KAID01040 | Pair volume status error | Pair formation completion by HRC(NO copy suspension) |
| KAID01041 | Pair volume status error | Status of the R-VOL is changed. |
| KAID01042 | Pair volume status error | HODM started the migration copy or out of sync for this volume. |
| KAID01043 | Pair volume status error | HODM completed the migration copy for this volume. |
| KAID01044 | Pair volume status error | HODM for this volume was deleted. (Operation from an SVP/remote console) |
| KAID01045 | Pair volume status error | HRC/HODM for this volume was suspended (Due to an unrecoverable failure on the remote copy connections.) |
| KAID01046 | Pair volume status error | HRC/HODM for this volume was suspended (Due to an unrecoverable failure on the M-VOL or the remote copy connections) |
| KAID01047 | Pair volume status error | HRC/HODM for this volume was suspended (Due to an unrecoverable failure on the R-VOL) |
| KAID01048 | Pair volume status error | HRC for this volume was suspended (Caused by DFW to the R-VOL was prohibited) |
| KAID01049 | Pair volume status error | HRC for this volume was suspended (Due to an internal error condition detected by the RCU) |
| KAID01050 | Pair volume status error | HRC for this volume was suspended (Caused by Delete pair operation was issued to the R-VOL) |
| KAID01051 | Pair volume status error | Erase operation for this volume was not completed. (Due to error conditions) |
| KAID01052 | Pair volume status error | MCU detected a Moderate Level SIM for RCU. |
| KAID01053 | Pair volume status error | MCU detected an Acute or Serious Level SIM for RCU. |
| KAID01054 | Pair volume status error | Status of the M-VOL was not consistent with the R-VOL. |
| KAID01055 | Pair volume status error | HRC started the initial copy or out of sync for this volume. |
| KAID01056 | Pair volume status error | HRC completed the initial copy for this volume. |
| KAID01057 | Pair volume status error | HRC for this volume was accepted delete pair operation. (Operation from an SVP/remote console or a host processor) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID01058 | Pair volume status error | HRC for this volume was accepted suspend pair operation. (Operation from an SVP/remote console or a host processor) |
| KAID01059 | Pair volume status error | Delete pair operation for this HRC volume has completed. |
| KAID01060 | Pair volume status error | Suspend pair operation for this HRC volume has completed. |
| KAID01061 | Pair volume status error | Pair formation completion by HRC(NO copy suspension) |
| KAID01062 | Pair volume status error | The R-VOL status has changed as requested by MCU. |
| KAID01063 | Pair volume status error | The M-VOL has suspended. (Due to an unrecoverable failure on the remote copy connections.) |
| KAID01064 | Pair volume status error | The M-VOL has suspended. (Due to an unrecoverable failure on the M-VOL or the remote copy connections) |
| KAID01065 | Pair volume status error | The M-VOL has suspended. (Due to an unrecoverable failure on the R-VOL) |
| KAID01066 | Pair volume status error | The M-VOL has suspended. (Caused by DFW to the R-VOL was prohibited) |
| KAID01067 | Pair volume status error | The M-VOL has suspended. (Caused by Suspend pair operation was issued to the R-VOL) |
| KAID01068 | Pair volume status error | The M-VOL has suspended. (Caused by Delete pair operation was issued to the R-VOL) |
| KAID01069 | Pair volume status error | The R-VOL has suspended. (Due to an unrecoverable failure on the remote copy connections) |
| KAID01070 | Pair volume status error | The R-VOL has suspended. (Due to an unrecoverable failure on the R-VOL) |
| KAID01071 | Pair volume status error | MCU detected a Service Level SIM for RCU. |
| KAID01072 | Pair volume status error | MCU detected a Moderate Level SIM for RCU. |
| KAID01073 | Pair volume status error | MCU detected an Acute or Serious Level SIM for RCU. |
| KAID01074 | Pair volume status error | Status of the M-VOL was not consistent with the R-VOL. |
| KAID01075 | Pair volume status error | A volume being used by an M-VOL changed status to suspend (continue). |
| KAID01076 | Pair volume status error | A volume being used by an M-VOL changed status to suspend (complete). |
| KAID01077 | Pair volume status error | The volume of suspension (complete) did update I/O acceptance with M-VOL and it suspended it. (Accept in complete update I/O.) |
| KAID01078 | HMRCF error or HOMRCF error | Copy abnormal end |
| KAID01079 | HMRCF error or HOMRCF error | ShadowImage-FlashCopy (R) Option abnormal end |
| KAID01080 | HMRCF error or HOMRCF error | All ShadowImage-FlashCopy (R) Option abnormal end by SM volatile |
| KAID01081 | HMRCF error or HOMRCF error | ShadowImage-FlashCopy (R) version2 Option abnormal end |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID01082 | HMRCF error or HOMRCF error | All ShadowImage-FlashCopy (R) version2 Option abnormal end by SM volatile |
| KAID01083 | HMRCF error or HOMRCF error | Forcible suspend by SM volatile |
| KAID01084 | HXRC/HRCA error | Sidefile 'sleep wait' threshold over |
| KAID01085 | Hi-Copy error | Copy abnormal end |
| KAID01086 | Copy-on-Write Snapshot error | Forcible suspend by SM volatile |
| KAID01087 | Copy-on-Write Snapshot error | Copy-on Write Snapshot Option abnormal end |
| KAID01088 | Pool error | Pool utilization threshold excess |
| KAID01089 | Pool error | Pool blocking |
| KAID01090 | External Subsystem Connection | External Subsystem Connection Path Failure |
| KAID01091 | External Subsystem Connection | External Subsystem path response time out threshold over |
| KAID01092 | External Subsystem Connection | External Subsystem Device failure |
| KAID01093 | Pair volume failure | A volume to be used by the UR was defined |
| KAID01094 | Pair volume failure | The volume being used by the UR began a copying |
| KAID01095 | Pair volume failure | The volume being used by the UR completed a copying |
| KAID01096 | Pair volume failure | The volume being used by the UR received a request for suspension |
| KAID01097 | Pair volume failure | The volume being used by the UR completed a suspension transaction |
| KAID01098 | Pair volume failure | The volume being used by the UR received a request for deletion |
| KAID01099 | Pair volume failure | The volume being used by the UR completed the deletion |
| KAID01100 | Pair volume failure | The volume being used by the UR was defined (placed in the PSUS status immediately) |
| KAID01101 | Pair volume failure | A change to an SVOL was received from the MCU |
| KAID01102 | Pair volume failure | A volume being used by a P-VOL was suspended (Path recovery was impossible) |
| KAID01103 | Pair volume failure | A volume being used by a P-VOL was suspended (A failure on the MCU side was detected) |
| KAID01104 | Pair volume failure | A volume being used by a P-VOL was suspended (Suspension of an S-VOL was detected) |
| KAID01105 | Pair volume failure | A volume being used by a P-VOL was suspended (Deletion of an S-VOL pair was detected) |
| KAID01106 | Pair volume failure | A volume being used by an S-VOL was suspended (Path recovery was impossible) |
| KAID01107 | Pair volume failure | A volume being used by an S-VOL was suspended (A failure on the RCU side was detected) |
| KAID01108 | Environmental error | Temperature Abnormal Alarm Front of cabinet Left Side (TH11 detect) |
| KAID01109 | Environmental error | Temperature Abnormal Alarm Front of cabinet Right Side (TH12 detect) |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID01110 | Environmental error | Temperature Abnormal Alarm Back of cabinet Left Side (TH21 detect) |
| KAID01111 | Environmental error | Temperature Abnormal Alarm Back of cabinet Right Side (TH22 detect) |
| KAID01112 | Environmental error | Temperature Abnormal Warning Front of cabinet Left Side (TH11 detect) |
| KAID01113 | Environmental error | Temperature Abnormal Warning Front of cabinet Right Side (TH12 detect) |
| KAID01114 | Environmental error | Temperature Abnormal Warning Back of cabinet Left Side (TH21 detect) |
| KAID01115 | Environmental error | Temperature Abnormal Warning Back of cabinet Right Side (TH22 detect) |
| KAID01116 | Environmental error | Voltage alarm (LOGIC) Cluster-1 |
| KAID01117 | Environmental error | Voltage alarm (LOGIC) Cluster-2 |
| KAID01118 | Environmental error | Voltage alarm (MEMORY) Cluster-1 |
| KAID01119 | Environmental error | Voltage alarm (MEMORY) Cluster-2 |
| KAID01120 | Environmental error | ACDC alarm |
| KAID01121 | Environmental error | P/S warning PS11 |
| KAID01122 | Environmental error | P/S warning PS21 |
| KAID01123 | Environmental error | P/S warning PS12 |
| KAID01124 | Environmental error | P/S warning PS22 |
| KAID01125 | Environmental error | P/S warning PS13 |
| KAID01126 | Environmental error | P/S warning PS23 |
| KAID01127 | Environmental error | P/S warning PS14 |
| KAID01128 | Environmental error | P/S warning PS24 |
| KAID01129 | Environmental error | P/S warning PS15 |
| KAID01130 | Environmental error | P/S warning PS25 |
| KAID01131 | Environmental error | P/S warning PS16 |
| KAID01132 | Environmental error | P/S warning PS26 |
| KAID01133 | Environmental error | P/S warning BAT-REG(MN1) |
| KAID01134 | Environmental error | P/S warning BAT-REG(MN2) |
| KAID01135 | Environmental error | P/S warning PS Warning |
| KAID01136 | Environmental error | HDD-PL Voltage fall 56V Voltage fall |
| KAID01137 | Environmental error | HDD-PL Voltage fall 37V Voltage fall |
| KAID01138 | Environmental error | Battery warning BATTERY-11 |
| KAID01139 | Environmental error | Battery warning BATTERY-21 |
| KAID01140 | Environmental error | Battery warning BATTERY-12 |
| KAID01141 | Environmental error | Battery warning BATTERY-22 |
| KAID01142 | Environmental error | Battery warning BATTERY-13 |
| KAID01143 | Environmental error | Battery warning BATTERY-23 |

| Alert ID | Error Contents | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID01144 | Environmental error | Battery warning BATTERY-14 |
| KAID01145 | Environmental error | Battery warning BATTERY-24 |
| KAID01146 | Environmental error | Battery warning BATTERY-15 |
| KAID01147 | Environmental error | Battery warning BATTERY-25 |
| KAID01148 | Environmental error | Battery warning DKUBATTERY |
| KAID01149 | Environmental error | AC warning (3-phase) AC-BOX1 |
| KAID01150 | Environmental error | AC warning (3-phase) AC-BOX2 |
| KAID01151 | Environmental error | AC warning (1-phase) AC-BOX1 |
| KAID01152 | Environmental error | AC warning (1-phase) AC-BOX2 |
| KAID01153 | Environmental error | Fan abnormality FFAN1 |
| KAID01154 | Environmental error | Fan abnormality RFAN1 |
| KAID01155 | Environmental error | Fan abnormality FFAN2 |
| KAID01156 | Environmental error | Fan abnormality RFAN2 |
| KAID01157 | Environmental error | Fan abnormality FFAN3 |
| KAID01158 | Environmental error | Fan abnormality RFAN3 |
| KAID01159 | Environmental error | Fan abnormality FFAN4 |
| KAID01160 | Environmental error | Fan abnormality RFAN4 |
| KAID01161 | Environmental error | Fan abnormality FAN WARNING |
| KAID01162 | Environmental error | Fan abnormality FAN fuse blow out |
| KAID01163 | Environmental error | JP remains PS ON JP |
| KAID01164 | Environmental error | JP remains SVP PS ON/OFF (Basic SVP) |
| KAID01165 | Environmental error | JP remains SVP PS ON/OFF (Optional SVP) |
| KAID01166 | Environmental error | Duplex SVP Setup fail |
| KAID01167 | SVP failure | ISDN Router failure |
| KAID01168 | SVP failure License key | The term of validity is over |
| KAID01169 | Virus detected | Clean virus from file |
| KAID01170 | Virus detected | Quarantine infected file |
| KAID01171 | Virus detected | Leave alone |
| KAID01172 | Pair volume failure | A volume being used by a P-VOL was suspended (Suspension of an S-VOL failure was detected) |
| KAID01173 | Pool error | DP Pool utilization threshold excess 1 |
| KAID01174 | Pool error | DP Pool utilization threshold excess 2 |
| KAID01175 | Pool error | DP Pool overflow |
| KAID01176 | Pool error | DP Pool fail |
| KAID01177 | Pool error | DP VOL utilization threshold excess |

# Alerts about Storage Subsystem Components

This section contains:

- Alerts about components for the Universal Storage Platform V/VM, Hitachi USP, Lightning 9900V, and 9900 subsystems:

  Alert IDs KAID10001 to KAID10012 (see Table 7-6)

- Alerts about components for the Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200 subsystems:

  Alert IDs KAID11001 to KAID11023 (see Table 7-7)

**Table 7-6 KAID10001 to KAID10099: Alerts about components for Universal Storage Platform V/VM, Hitachi USP, Lightning 9900V, and Lightning 9900 subsystems**

| Alert ID | Information Displayed in COMPONENT Field (indicating the alert part of a storage subsystem) | Information Displayed in DESCRIPTION Field |
|---|---|---|
| KAID10001 | DKC Processor | The information displayed in the DESCRIPTION field depends on the alert level.<br>The information displayed in the DESCRIPTION field is as follows:<br>▪ When the alert level has been changed from another level to Normal:<br>This indicates that the cause of an Acute, Serious, Moderate, or Service status has been corrected, and the status has returned to normal.<br>▪ When the alert level is Acute, Serious, Moderate, or Service:<br>Any Acute, Serious, Moderate, or Service, the error is reported in COMPONENT. |
| KAID10002 | DKC Cache Switch | |
| KAID10003 | DKC Cache | |
| KAID10004 | DKC Shared Memory | |
| KAID10005 | DKC Power Supply | |
| KAID10006 | DKC Battery | |
| KAID10007 | DKC Fan | |
| KAID10008 | DKC Environment | |
| KAID10009 | DKU Power Supply | |
| KAID10010 | DKU Fan | |
| KAID10011 | DKU Environment | |
| KAID10012 | DKU Drive | |

## Table 7-7 KAID11001 to KAID11099: Alerts about components for Hitachi AMS2000/AMS/WMS/SMS, Thunder 9500V, and Thunder 9200 subsystems

| Alert ID | Information displayed in the COMPONENT field (indicating the alert part of a storage subsystem) | Information displayed in DESCRIPTION field |
|---|---|---|
| KAID11001 | Cache | The information displayed in the DESCRIPTION field depends on the alert level.<br>The information displayed in the DESCRIPTION field is as follows:<br>▪ When the alert level has been changed from another level to Normal:<br>This indicates that the cause of an Acute, Serious, Moderate, or Service status has been corrected, and the status has returned to normal.<br>▪ When the alert level is Acute, Serious, Moderate, or Service:<br>Any Acute, Serious, Moderate, or Service, the error is reported in COMPONENT. |
| KAID11002 | Power Supply | |
| KAID11003 | Fan | |
| KAID11004 | AC | |
| KAID11005 | Battery | |
| KAID11006 | Backup Battery | |
| KAID11007 | Controller | |
| KAID11008 | Enclosure | |
| KAID11009 | Loop | |
| KAID11010 | Disk Drive | |
| KAID11011 | CTU Power Supply | |
| KAID11012 | CTU Fan | |
| KAID11013 | CTU Enclosure | |
| KAID11014 | Connector | |
| KAID11015 | NNC | |
| KAID11016 | NNC Dimm | |
| KAID11017 | NNC Power Supply | |
| KAID11018 | NNC Fan | |
| KAID11019 | NNC Connector | |
| KAID11020 | NNC Type | |
| KAID11021 | NNC Base | |
| KAID11022 | NNC ExCard | |
| KAID11023 | NNC ExSlot HCT | |

# 8

# Error Messages from the Hitachi Storage Command Suite Common Component

This chapter lists and describes the error messages output by the Hitachi Storage Command Suite Common Component:


- Error Messages Output by Hitachi Storage Command Suite Common Component

# Error Messages Output by Hitachi Storage Command Suite Common Component

This chapter lists and describes the error messages output by the Hitachi Storage Command Suite Common Component. An error message from the Hitachi Storage Command Suite Common Component consists of a message ID and the error message text. The format is as follows:

- **Format:**

  KAPM*mmmmm-z message-text* (see Table 8-1)

  KDJE*mmmmm-z message-text* (see Table 8-2)

  *KEHGmmmmm-z message-text* (see Table 8-3)

  *mmmmm* is a message number, and *z* is one of the following message levels:

  – **I**: Information

  – **W**: Warning

  – **E**: Error

- **Output destination:**

  – Output level 0

    The error message is output to syslog or the event log, integrated trace, and original log trace.

  – Output level 10

    The error message is output to the original log trace.

    Some of the error messages might be output to the integrated log trace for UNIX.

Table 8-1, Table 8-2, and Table 8-3 list the Hitachi Storage Command Suite Common Component error messages, and provide recommended actions for resolving the error conditions. If the problem cannot be resolved, collect maintenance information, and then contact the Hitachi Data Systems Support Center (see Calling the Hitachi Data Systems Support Center for contact information).

## Table 8-1 Hitachi Storage Command Suite Common Component Messages (KAPM)

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00001-E | ID=*aa...aa*,LogTraceLibrary error. Trace START failed. *bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: Error message output by the log trace library when the system failed to start the trace<br>Output destinations: syslog/Eventlog | An attempt to start the log trace has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM00002-E | ID=*aa...aa*,LogtraceLibrary error. Trace STOP failed. *bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: Error message output by the log trace library when the system failed to stop the trace<br>Output destinations: syslog/Eventlog | An attempt to start the log trace has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM00003-W | ID=*aa...aa*,Trace output error.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | An attempt to output the log trace has failed.<br>Check whether the log file is read only. |
| KAPM00004-W | ID=*aa...aa*,Integrated trace output error.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | An attempt to output an integrated log trace has failed.<br>Check whether the Hitachi Network Objectplaza Trace Monitor 2 service is running. |
| KAPM00005-E | File I/O failed.(filename=*aa...aa*).<br>*aa...aa*: Name of the version file<br>Output destinations: syslog/Eventlog | An attempt to create a version file has failed.<br>Check whether the version file specified for *aa...aa* can be written. |
| KAPM00006-E | ID=*aa...aa*,Invalid eventlog source. Eventlog's config not found in the registry(source name="HiCommand Log")<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | The registry for Eventlog was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM00011-E | ID=*aa...aa*,Versionfile name is null.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | The version file name has not been specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM00012-E | ID=*aa...aa*,PP version is null.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | The version of each PP has not been specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM00013-E | ID=*aa...aa*,Trace log file name is null.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | The name of the individual log trace has not been specified.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00014-E | ID=*aa...aa*,Class name is null.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | The class name of the program to be used to output the log has not been specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM00015-E | ID=*aa...aa*,Kind of Event is null.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | The value that indicates the type of message event for output has not been specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM00016-E | ID=*aa...aa*,Message-ID is null.<br>*aa...aa*: ID of the program using the log<br>Output destinations: syslog/Eventlog | The message ID for the message to be output has not been specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM00017-E | *aa...aa*<br>*aa...aa*: NullPointerException message<br>Output destinations: syslog/Eventlog | A NullPointerException occurred in LogTraceManager.<br>Collect maintenance information and contact the Support Center. |
| KAPM00018-E | *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: syslog/Eventlog | An unexpected exception occurred in LogTraceManager.<br>Collect maintenance information and contact the Support Center. |
| KAPM00019-E | ID=*aa...aa*,SyslogID size error:idEnt=*bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: Eventlog ID<br>Output destinations: syslog/Eventlog | The ID (*bb...bb*) length attached to Eventlog is too long.<br>Collect maintenance information and contact the Support Center. |
| KAPM00020-E | ID=*aa...aa*,Invalid version length:version=*bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: Version character string<br>Output destinations: syslog/Eventlog | The version character string is too long.<br>Collect maintenance information and contact the Support Center. |
| KAPM00021-E | ID=*aa...aa*,Invalid log file number:logNum=*bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: Number of individual log trace files<br>Output destinations: syslog/Eventlog | The number of individual log trace files is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM00022-E | ID=*aa...aa*,Invalid log file size:logSize=*bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: File size of the individual log trace<br>Output destinations: syslog/Eventlog | The size of an individual log trace file is invalid.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00023-E | ID=*aa...aa*,Invalid message type:kind=*bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: Message type<br>Output destinations: syslog/Eventlog | A value indicating the message type is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM00024-E | ID=*aa...aa*,Invalid output level:level=*bb...bb*<br>*aa...aa*: ID of the program using the log<br>*bb...bb*: Output level<br>Output destinations: syslog/Eventlog | An invalid log output level exists in the code.<br>Collect maintenance information and contact the Support Center. |
| KAPM00025-E | The value of the encoding setting *bb...bb* of the unique log output of *aa...aa* is invalid.<br>*aa...aa*: Program name request to output log<br>*bb...bb*: Encoding<br>Output destinations: syslog/Eventlog | The value of the encoding setting *bb...bb* of the unique log output of *aa...aa* is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM00090-I | The SSO server started successfully.<br>Output destinations: syslog/Eventlog | The SSO server started successfully. |
| KAPM00091-E | An attempt to start the SSO server has failed.<br>Output destinations: syslog/Eventlog | An attempt to start the SSO server has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM00092-I | The SSO server was stopped successfully.<br>Output destinations: syslog/Eventlog | The SSO server was stopped successfully. |
| KAPM00101-E | An authentication error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An authentication error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM00102-E | An error occurred during DBMS access processing.<br>Output destinations: Destinations for output level 10. | An error occurred during DBMS access processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM00103-E | The DBMS is not running.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS is not running.<br>Make sure the DBMS has started. |
| KAPM00104-E | The product name is not specified.<br>Output destinations: Destinations for output level 10. | The product name is not specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM00105-E | An unexpected value was returned from the integrated authentication server. (*aa...aa*)<br>*aa...aa*: Unexpected return value<br>Output destinations: Destinations for output level 10. | An unexpected value was returned from the integrated authentication server.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00106-E | An attempt to update the authentication data has failed.<br>Output destinations: Destinations for output level 10. | An attempt to update the authentication data has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM00107-E | An attempt to delete the authentication data has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to delete the authentication data has failed.<br>Retry execution. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM00108-E | An attempt to print the authentication data has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to print the authentication data has failed.<br>Retry execution. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM00110-E | The HSSOContext value is invalid.<br>Output destinations: Destinations for output level 10. | The HSSOContext value is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM00111-I | The authentication data was successfully updated.<br>Output destinations: Destinations for output level 10. | The authentication data was successfully updated. |
| KAPM00112-I | The authentication data was successfully deleted. (*aa...aa*)<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | The authentication data was successfully deleted. |
| KAPM00113-I | The authentication data is already deleted. (*aa...aa*)<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | The authentication data is already deleted. |
| KAPM00114-I | The authentication data was successfully displayed.<br>Output destinations: Destinations for output level 10. | The authentication data was successfully displayed. |
| KAPM00115-E | An attempt to communicate with the SSO server has failed.<br>Output destinations: Destinations for output level 10. | An attempt to communicate with the SSO server has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM00116-E | An attempt to update authentication data has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to update authentication data fails.<br>Please restart the Single Sign On server. |
| KAPM00117-E | The RD area of HBase is blocked.<br>Output destinations: Destinations for output level 10. | The RD area of HBase is blocked.<br>Remove the cause of the HiRDB blockage, and then try again. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00119-E | Deletion of the license event data has failed.<br>Output destinations: Destinations for output level 10. | Deletion of the license event data has failed.<br>Make sure the DBMS has started, and then retry the operation. If you cannot solve the problem, collect the maintenance information, and then contact the Support Center. |
| KAPM00130-E | There is no value in the request.<br>Output destinations: Destinations for output level 10. | There is no value in the request.<br>Collect maintenance information and contact the Support Center. |
| KAPM00131-E | A required token is not specified.<br>Output destinations: Destinations for output level 10. | A required token is not specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM00132-E | The event name is invalid.<br>Output destinations: Destinations for output level 10. | The event name is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM00133-E | The DBMS is not running.<br>Output destinations: Destinations for output level 10. | The DBMS is not running.<br>Make sure the DBMS has started. |
| KAPM00134-E | An error occurred during a DBMS access.<br>Output destinations: Destinations for output level 10. | An error occurred during a DBMS access.<br>Collect maintenance information and contact the Support Center. |
| KAPM00137-E | An authentication error occurred.<br>Output destinations: Destinations for output level 10. | An authentication error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM00138-E | Authentication data for delete processing is invalid.<br>Output destinations: Destinations for output level 10. | Authentication data for delete processing is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM00139-I | Deletion of authentication data for all products will now start.<br>Output destinations: Destinations for output level 10. | Deletion of authentication data for all products will now start. |
| KAPM00140-I | Deletion of authentication data will now start.<br>Application name: *aa...aa*<br>Service name: *bb...bb*<br>*aa...aa*: Application name<br>*bb...bb*: Service name<br>Output destinations: Destinations for output level 10. | Deletion of authentication data will now start. |
| KAPM00141-E | An attempt to lock the table has failed.<br>Output destinations: Destinations for output level 10. | An attempt to lock the table has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM00145-E | The RD area of HBase is blocked.<br>Output destinations: Destinations for output level 10. | The RD area of HBase is blocked.<br>Remove the cause of the HiRDB blockage, and then try again. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00162-E | There is an error in the protocol. (element = *aa...aa*)<br>*aa...aa*: Element<br>Output destinations: Destinations for output level 10. | There is an error in the protocol.<br>Collect maintenance information and contact the Support Center. |
| KAPM00163-E | There is an error in the protocol. (element = *aa...aa*, attribute = *bb...bb*, value = *cc...cc*)<br>*aa...aa*: Element<br>*bb...bb*: Attribute<br>*cc...cc*: Value<br>Output destinations: Destinations for output level 10. | There is an error in the protocol.<br>Collect maintenance information and contact the Support Center. |
| KAPM00192-E | An exception was detected.<br>Output destinations: Destinations for output level 10. | An exception was detected.<br>Collect maintenance information and contact the Support Center. |
| KAPM00199-E | *aa...aa*<br>*aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object<br>Output destinations: Destinations for output level 10. | Detailed information for KAPMxxxxx-E. This indicates the thrown exception object and the backtrace for that object.<br>See the message KAPMxxxxx-E. |
| KAPM00203-E | The DBMS is not running.<br>Output destinations: Destinations for output level 10. | The DBMS is not running.<br>Make sure the DBMS has started. |
| KAPM00204-E | The RD area of HBase is blocked.<br>Output destinations: Destinations for output level 10. | The RD area of HBase is blocked.<br>Remove the cause of the HiRDB blockage, and then try again. |
| KAPM00205-E | An error occurred during access to the DBMS.<br>Output destinations: Destinations for output level 10. | An error occurred during access to the DBMS.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00206-E | The specified event data has already been registered. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*)<br>*aa...aa*: Application type<br>*bb...bb*: Event type<br>*cc...cc*: Event code<br>Output destinations: Destinations for output level 10. | The specified event data has already been registered.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00207-E | Event data cannot be updated because no event data exists. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*)<br>*aa...aa*: Application type<br>*bb...bb*: Event type<br>*cc...cc*: Event code<br>Output destinations: Destinations for output level 10. | Event data cannot be updated because no event data exists.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00208-E | Communication with the SSO server has failed.<br>Output destinations: Destinations for output level 10. | Communication with the SSO server has failed.<br>Make sure the following have started: the HBase Storage Mgmt Common Service or HBase Storage Mgmt Web Service, and the database. |
| KAPM00209-E | Authentication has failed.<br>Output destinations: Destinations for output level 10. | Authentication has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00210-E | A program type specified for TNB_SoftwareFeature is not registered. (application type = *aa...aa*)<br>*aa...aa*: Application type<br>Output destinations: Destinations for output level 10. | A program type specified for TNB_SoftwareFeature is not registered.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00211-E | Associated data does not exist. (application type = *aa...aa*)<br>*aa...aa*: Application type<br>Output destinations: Destinations for output level 10. | Associated data does not exist.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00212-E | An event management object cannot be deleted because the specified parameter is invalid. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*)<br>*aa...aa*: Application type<br>*bb...bb*: Event type<br>*cc...cc*: Event code<br>Output destinations: Destinations for output level 10. | An event management object cannot be deleted because the specified parameter is invalid.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00213-E | The value registered in the database is invalid. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*)<br>*aa...aa*: Application type<br>*bb...bb*: Event type<br>*cc...cc*: Event code<br>Output destinations: Destinations for output level 10. | The value registered in the database is invalid.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00214-E | The same information is already registered in the database. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*)<br>*aa...aa*: Application type<br>*bb...bb*: Event type<br>*cc...cc*: Event code<br>Output destinations: Destinations for output level 10. | The same information is already registered in the database.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00215-E | An attribute value is invalid. (attribute = *aa...aa*)<br>*aa...aa*: Attribute<br>Output destinations: Destinations for output level 10. | An attribute value is invalid.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00216-W | The attribute length exceeds the maximum limit. (attribute = *aa...aa*, value = *bb...bb*, maximum limit = *cc...cc*)<br>*aa...aa*: Attribute<br>*bb...bb*: Value<br>*cc...cc*: Maximum limit<br>Output destinations: Destinations for output level 10. | The attribute length exceeds the maximum limit.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00217-E | An invalid parameter is specified.<br>Output destinations: Destinations for output level 10. | An invalid parameter is specified.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00252-E | The license information file does not exist. (license information file = *aa...aa*)<br>*aa...aa*: License information file<br>Output destinations: Destinations for output level 10. | The license information file does not exist.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00253-E | The license information file might be corrupted. (license information file = *aa...aa*)<br>*aa...aa*: License information file<br>Output destinations: Destinations for output level 10. | The license information file might be corrupted.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00254-E | An attempt to read the license information file has failed. (license information file = *aa...aa*)<br>*aa...aa*: License information file<br>Output destinations: Destinations for output level 10. | An attempt to read the license information file has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM00255-E | The license information file cannot be accessed. (license information file = *aa...aa*)<br>aa...aa: License information file<br>Output destinations: Destinations for output level 10. | The license information file cannot be accessed.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM00900-I | The SSO server started successfully.<br>Output destinations: syslog/Eventlog | The SSO server started successfully. |
| KAPM00901-E | An attempt to start the SSO server has failed.<br>Output destinations: syslog/Eventlog | An attempt to start the SSO server has failed. |
| KAPM00902-I | The SSO server was stopped successfully.<br>Output destinations: syslog/Eventlog | The SSO server was stopped successfully. |
| KAPM01001-I | Initializing HssoServer configuration.<br>Output destinations: Destinations for output level 10. | Servlet initialization has started. |
| KAPM01002-E | The system property indicated by hcmds.home could not be found.<br>Output destinations: Destinations for output level 0. | The system property indicated by hcmds.home could not be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM01003-E | HssoServerRes1_0.dtd was not found. path = *aa...aa*<br>*aa...aa*: Path of file HssoServerRes1_0.dtd<br>Output destinations: Destinations for output level 0. | HssoServerRes1_0.dtd was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM01004-E | Can't read DTD files.<br>Output destinations: Destinations for output level 0. | An attempt to read the DTD file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01005-W | Failed to close FileStream.<br>Output destinations: Destinations for output level 10. | An attempt to close FileStream has failed. |
| KAPM01008-I | HTTP:POST from *aa...aa*<br>*aa...aa*: IP address<br>Output destinations: Destinations for output level 10. | The IP address of the requesting client. |
| KAPM01010-E | Can't get InputStream from Request.<br>Output destinations: Destinations for output level 0. | An attempt to acquire an InputStream from a client's request has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01013-E | Unsupported command was requested.<br>Output destinations: Destinations for output level 0. | The requested command name is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM01017-E | Unsupported method was requested.<br>Output destinations: Destinations for output level 0. | The requested method name is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM01019-E | Unsupported method was requested.<br>Output destinations: Destinations for output level 0. | The requested method name is invalid.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01024-I | Request Information: Version = *aa...aa*, Command = *bb...bb*, ID = *cc...cc*<br>*aa...aa*: Version<br>*bb...bb*: Command<br>*cc...cc*: ID<br>Output destinations: Destinations for output level 10. | The request information will be displayed. |
| KAPM01025-E | A fatal error occurred.<br>Output destinations: Destinations for output level 0. | A fatal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM01026-E | An attempt to initialize the HSSO Server configuration has failed.<br>Output destinations: Destinations for output level 0. | An attempt to initialize the HSSO server configuration has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01028-E | The file "*aa...aa*" could not be read. Path = *bb...bb*<br>*aa...aa*: File name<br>*bb...bb*: File path name<br>Output destinations: Destinations for output level 0. | The file "*aa...aa*" could not be read.<br>Check the specified file path and the permission for reading the specified file. |
| KAPM01034-E | Can't get the required information from request. Request is invalid.<br>Output destinations: Destinations for output level 0. | The request format is invalid (analysis was successful).<br>Collect maintenance information and contact the Support Center. |
| KAPM01036-E | Request XML can't parse to DOM. - *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | The format of the request is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM01040-E | XML version *aa...aa* for HssoClient is not supported.<br>*aa...aa*: Request version<br>Output destinations: Destinations for output level 0. | The version of the specified request is not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM01042-E | An attempt to parse the request has failed.<br>Output destinations: Destinations for output level 0. | An attempt to parse the request has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01046-E | The format of the request was invalid. Cause = *aa...aa*<br>*aa...aa*: Cause<br>Output destinations: Destinations for output level 0. | The format of the request was invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM01051-E | The creation of HSSOContext for authentication has failed. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An attempt to create HSSOContext has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01052-I | *aa...aa* accessed.<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | Indicates the ID of the accessing user. |
| KAPM01053-E | Authentication Failed.<br>Output destinations: Destinations for output level 0. | An attempt at client authentication has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01055-E | The system property specified in hcmds.home cannot be found.<br>Output destinations: Destinations for output level 0. | The system property specified in hcmds.home cannot be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM01056-E | HDVM.user not found at hcmds.home.<br>Output destinations: Destinations for output level 0. | HDVM.user not found at hcmds.home.<br>Collect maintenance information and contact the Support Center. |
| KAPM01057-E | HDVM.password not found at hcmds.home.<br>Output destinations: Destinations for output level 0. | HDVM.password not found at hcmds.home.<br>Collect maintenance information and contact the Support Center. |
| KAPM01059-E | The specified HSSO session is invalid, or does not exist. Session ID = *aa...aa*<br>*aa...aa*: Session ID<br>Output destinations: Destinations for output level 0. | The specified HSSO session is invalid, or does not exist.<br>Log in again. |
| KAPM01061-E | An invalid value is set in the configuration file. Parameter = *aa...aa*<br>*aa...aa*: Parameter name<br>Output destinations: Destinations for output level 0. | An invalid value is set in the configuration file.<br>Check the value of the parameter specified for *aa...aa* in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris SPARC : /opt/HiCommand/Base/conf/user.conf<br>Solaris10(x64) or Linux : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*/Base/conf/user.conf |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01062-E | A parameter is not set in the configuration file. Parameter = *aa...aa*<br>*aa...aa*: Parameter name<br>Output destinations: Destinations for output level 0. | A parameter is not set in the configuration file.<br>Check the value of the parameter specified for *aa...aa* in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris SPARC : /opt/HiCommand/Base/conf/user.conf<br>Solaris10(x64) or Linux : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*/Base/conf/user.conf |
| KAPM01063-I | HSSO configuration: Virtual Host Name = *aa...aa*<br>*aa...aa*: Virtual host name<br>Output destinations: Destinations for output level 10. | The set virtual host name will now be displayed. |
| KAPM01065-E | Can't create DOM tree. - *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An attempt to create a DOM tree from the client request has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01066-E | A CIM Repository exception occurred.<br>Output destinations: Destinations for output level 0. | A CIM Repository exception occurred.<br>When using HiCommand V3.x series, confirm that the InterBase or the InterClient service is running. If the problem cannot be solved, collect maintenance information, and then contact the Support Center.<br>When using the HiCommand V4.x series or later, make sure that HiRDB is running. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM01067-E | The status of the response from Device Manager was FAILED.<br>Output destinations: Destinations for output level 0. | The status of the response from Device Manager was FAILED. See the following message KAPM01068-E for the cause.<br>Collect maintenance information and contact the Support Center. |
| KAPM01068-E | *aa...aa*<br>*aa...aa*: Information that is included in the response of HiCommand Device Manager<br>Output destinations: Destinations for output level 10. | *aa...aa*: Information that is included in the response of Device Manager.<br>Collect maintenance information and contact the Support Center. |
| KAPM01073-E | The format of the response from Device Manager was invalid.<br>Output destinations: Destinations for output level 0. | The format of the response from Device Manager was invalid.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01081-E | Authentication has failed. User ID = *aa...aa*<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 0. | Authentication has failed.<br>Log in again using a valid user ID and password. |
| KAPM01084-I | The HSSO session has started. Session ID = *aa...aa*<br>*aa...aa*: Session ID<br>Output destinations: Destinations for output level 10. | The HSSO session has started. |
| KAPM01088-E | An attempt to load the class failed. Class = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 0. | An attempt to load the class failed.<br>Confirm that the class specified for *aa...aa* is the class specified in HSSO.classpath.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris SPARC : /opt/HiCommand/Base/conf/user.conf<br>Solaris10(x64) or Linux : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*/Base/conf/user.conf |
| KAPM01089-E | An attempt to create the instance of the class for authentication failed. Class = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 0. | An attempt to create the instance of the class for authentication failed.<br>Check the value of HSSO.authentication.module in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris SPARC : /opt/HiCommand/Base/conf/user.conf<br>Solaris10(x64) or Linux : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*/Base/conf/user.conf |
| KAPM01090-E | An attempt to create the instance of the class for authorization failed. Class = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 0. | An attempt to create the instance of the class for authorization failed.<br>Check the value of HSSO.authorization.module in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris SPARC : /opt/HiCommand/Base/conf/user.conf<br>Solaris10(x64) or Linux : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*/Base/conf/user.conf |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01091-E | An attempt to initialize the authentication class failed. Class = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 0. | An attempt to initialize the authentication class failed.<br>Take action according to the proceeding message. |
| KAPM01092-E | An attempt to initialize the authorization class failed. Class = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 0. | An attempt to initialize the authorization class failed.<br>Take action according to the proceeding message. |
| KAPM01093-I | HSSO configuration: Authentication class = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 10. | The authentication class that HSSO uses will now be displayed. |
| KAPM01094-I | HSSO configuration: Authorization class = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 10. | The authorization class that HSSO uses will now be displayed. |
| KAPM01095-E | The authenticated user does not have permission. User ID = *aa...aa*, Application = *bb...bb*<br>*aa...aa*: User ID<br>*bb...bb*: Application<br>Output destinations: Destinations for output level 0. | The authenticated user does not have permission.<br>Log in again as a user having the permission. |
| KAPM01096-E | An attempt to authenticate the internal user has failed.<br>Output destinations: Destinations for output level 0. | An attempt to authenticate the internal user has failed.<br>Confirm that the user specified by the value of `HDVM.user` and `HDVM.password` in the following configuration file is registered in Device Manager.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM01097-E | An exception occurred during internal authentication module processing.<br>Output destinations: Destinations for output level 0. | An exception occurred during internal authentication module processing.<br>Take action according to the proceeding message. |
| KAPM01098-E | An exception occurred during authentication module processing.<br>Output destinations: Destinations for output level 0. | An exception occurred during authentication module processing.<br>Take action according to the proceeding message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01099-E | An exception occurred during authorization module processing.<br>Output destinations: Destinations for output level 0. | An exception occurred during authorization module processing.<br>Take action according to the proceeding message. |
| KAPM01103-I | HSSO configuration: Device Manager Server URL = *aa...aa*<br>*aa...aa*: Device Manager server URL<br>Output destinations: Destinations for output level 10. | The URL of the Device Manager server that HSSO uses will now be displayed. |
| KAPM01104-I | HSSO configuration: Device Manager Server Connection Timeout = *aa...aa*<br>*aa...aa*: Device Manager server connection timeout<br>Output destinations: Destinations for output level 10. | The timeout value for the connection with the Device Manager server that HSSO uses will now be displayed. |
| KAPM01105-E | The JP1 token is invalid.<br>Output destinations: Destinations for output level 0. | The JP1 token is invalid.<br>Log in again. |
| KAPM01106-E | An attempt to communicate with JP1/Base has failed.<br>Output destinations: Destinations for output level 0. | An attempt to communicate with JP1/Base has failed.<br>Check the status of JP1/Base. |
| KAPM01107-E | An error occurred due to a virtual host name. Function Code = *aa...aa*, Result Code = *bb...bb*<br>*aa...aa*: Function code<br>*bb...bb*: Result code<br>Output destinations: Destinations for output level 0. | An error occurred due to a virtual host name.<br>Check the value of `hbase.virtualhost` in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM01108-E | An attempt to load the library associated with JP1/Base has failed.<br>Output destinations: Destinations for output level 0. | An attempt to load the associated with JP1/Base library has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01109-E | An exception occurred during JP1 token authentication processing. Function Code = *aa...aa*, Result Code = *bb...bb*<br>*aa...aa*: Function code<br>*bb...bb*: Result code<br>Output destinations: Destinations for output level 0. | An exception occurred during JP1 token authentication processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM01114-E | An attempt to acquire the link and launch information failed.<br>Output destinations: Destinations for output level 0. | An attempt to acquire the link and launch information failed.<br>Take action according to the proceeding message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01115-E | Exception in DeviceManager. DeviceManager returns FAILED. - *aa...aa*<br>*aa...aa*: Error message acquired from Device Manager<br>Output destinations: Destinations for output level 0. | The response status of Device Manager is "FAILED".<br>Collect maintenance information and contact the Support Center. |
| KAPM01116-E | No user was returned from DeviceManager.<br>Output destinations: Destinations for output level 0. | The GetUser response does not contain any user information.<br>Collect maintenance information and contact the Support Center. |
| KAPM01119-E | No user information is set in the HSSO session.<br>Output destinations: Destinations for output level 0. | No user information is set in the HSSO session.<br>Log in again. |
| KAPM01123-I | HSSO configuration: HSSO Session Timeout = *aa...aa*<br>*aa...aa*: HSSO session timeout<br>Output destinations: Destinations for output level 10. | The timeout value (in seconds) of the HSSO session will now be displayed. |
| KAPM01124-I | The login process has completed properly.<br>Output destinations: syslog/Eventlog | This audit log data indicates that login was successful. |
| KAPM01125-E | The login process has failed.<br>Output destinations: syslog/Eventlog | This audit log data indicates that login failed. |
| KAPM01152-E | Can't get the application name from request. Request is invalid.<br>Output destinations: Destinations for output level 0. | The application name cannot be acquired from the request. The request is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM01154-W | *aa...aa* is not registered.<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10. | *aa...aa* is not registered. |
| KAPM01156-E | Exception in Repository. - *aa...aa*<br>*aa...aa*: Message<br>Output destinations: Destinations for output level 0. | An error occurred when the Common Repository was accessed.<br>See the message KAPM02xxx-E. |
| KAPM01167-I | The database has stopped.<br>Output destinations: Destinations for output level 10. | The database has stopped. |
| KAPM01168-E | The RD area of HBase is blocked.<br>Output destinations: Destinations for output level 10. | The RD area of HBase is blocked.<br>Remove the cause of the HiRDB blockage, and then try again. |
| KAPM01205-E | No instance of Service associated with ServiceAccessPoint.<br>Output destinations: Destinations for output level 0. | An attempt to acquire the service associated with ServiceAccessPoint has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01206-E | No instance of SoftwareFeature associated with Service.<br>Output destinations: Destinations for output level 0. | An attempt to acquire the SoftwareFeature associated with the Service has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM01208-E | Exception in Repository. - *aa...aa*<br>*aa...aa*: Details about the repository access error<br>Output destinations: Destinations for output level 0. | An error occurred in the access to the repository.<br>See the message KAPM02xxx-E. |
| KAPM01209-W | ServiceAccessPoint is not registered.<br>Output destinations: Destinations for output level 10. | ServiceAccessPoint is not registered. |
| KAPM01220-E | Communication with the external authentication server has failed.<br>Output destinations: Destinations for output level 10. | Communication with the external authentication server has failed.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| | | For Kerberos:<br>1. Make sure that the realm name and KDC specified in exauth.properties are correct.<br>2. Make sure that the network is connected correctly.<br>3. Make sure that Kerberos is compatible with the external authentication server.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM01255-E | Exception in DeviceManager. DeviceManager returns FAILED. - *aa...aa*<br>*aa...aa*: Error message acquired from Device Manager<br>Output destinations: Destinations for output level 0. | The response status of Device Manager is "FAILED".<br>Collect maintenance information and contact the Support Center. |
| KAPM01302-E | Can't get the host name or port number of DeviceManager from configuration.<br>Output destinations: Destinations for output level 0. | The host name or port number of Device Manager cannot be acquired from the configuration.<br>Confirm that the value of the properties HDVM.host and HDVM.port are set in init.conf. |
| KAPM01308-E | An attempt to communicate with Device Manager failed. URL = *aa...aa*<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 0. | An attempt to communicate with Device Manager failed.<br>Check the status of Device Manager, and check the values of HDVM.protocol, HDVM.host and HDVM.port in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM01309-E | The Device Manager Server XML API version *aa...aa* is not supported.<br>*aa...aa*: Version<br>Output destinations: Destinations for output level 0. | Device Manager server XML API version *aa...aa* is not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM01312-E | DeviceManager Server version *aa...aa* is not supported.<br>*aa...aa*: Version of Device Manager<br>Output destinations: Destinations for output level 0. | Device Manager server version *aa...aa* is not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM01314-E | The connection to Device Manager timed out.<br>Output destinations: Destinations for output level 0. | The connection to Device Manager timed out.<br>Confirm that Device Manager is running. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM01331-I | Connecting to DeviceManager Server specified by *aa...aa*<br>*aa...aa*: URL of Device Manager<br>Output destinations: Destinations for output level 10. | The connection to Device Manager is being established. |
| KAPM01336-E | URL *aa...aa* is invalid to DeviceManager Server.<br>*aa...aa*: URL of Device Manager<br>Output destinations: Destinations for output level 0. | The format of the URL *aa...aa* for Device Manager server is invalid.<br>Confirm that the values of the `HDVM.host` and `HDVM.port` properties are valid in `init.conf`. |
| KAPM01337-E | Authentication Failed in DeviceManager.<br>Output destinations: Destinations for output level 0. | An authentication error occurred in Device Manager.<br>Confirm that the specified user was registered in Device Manager. |
| KAPM01338-E | I/O Error regarding connection to DeviceManager.<br>Output destinations: Destinations for output level 0. | An I/O Error occurred in the communication with Device Manager.<br>Confirm that Device Manager is running. |
| KAPM01353-E | Can not map *aa...aa*.<br>*aa...aa*: User permissions<br>Output destinations: Destinations for output level 0. | User permissions could not be mapped.<br>Collect maintenance information and contact the Support Center. |
| KAPM01401-I | Creating CIMClient.<br>Output destinations: Destinations for output level 10. | CIMClient creation is starting. |
| KAPM01402-E | Can't create CIMClient. - *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An attempt to create CIMClient has failed.<br>See the message KAPM02xxx-E. |
| KAPM02001-E | Can not be found database.<br>Output destinations: Destinations for output level 0. | The database could not be found.<br>Check the value of `DATABASE.path` in the following file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM02001-W | Some of connection updated the same instance together. So didn't update the instance.<br>Output destinations: Destinations for output level 0. | Some of connection updated the same instance together. So didn't update the instance.<br>Confirm that the candidate for updating was updated. If it was not updated, try again. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02002-E | Your user name and password are not defined.<br>Output destinations: Destinations for output level 0. | The name or password of the user accessing the database is invalid.<br>Check the value of DATABASE.user or DATABASE.password in the following file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM02003-E | An unknown host exception occurred while trying to open a socket connection to server.<br>Output destinations: Destinations for output level 0. | The host name of the database to be accessed is invalid.<br>Check the value of DATABASE.hostname in the following file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM02004-E | No suitable driver.<br>Output destinations: Destinations for output level 0. | The driver name for accessing the database is invalid.<br>Check the value of DATABASE.type in the following file.<br>Windows : *HiCommand-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM02005-E | A socket exception occurred while trying to establish a socket connection to server.<br>Output destinations: Destinations for output level 0. | A socket exception occurred while trying to establish a socket connection to server.<br>Make sure that InterClient is running. |
| KAPM02006-E | InterServer is unable to locate the InterBase application or service.<br>Output destinations: Destinations for output level 0. | InterServer is unable to locate the InterBase application or service.<br>Make sure that InterBase is running. |
| KAPM02007-E | *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An SQLException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM02008-E | *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | Another type of exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM02009-E | Failed to unlock a table when inserting a record or records.<br>Output destinations: Destinations for output level 10. | The table-unlock process that set the connection during the insert has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02010-E | Update data doesn't exist.<br>Output destinations: Destinations for output level 10. | The data could not be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM02011-E | Delete data doesn't exist.<br>Output destinations: Destinations for output level 10. | The data could not be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM02012-E | Search data doesn't exist.<br>Output destinations: Destinations for output level 10. | The data could not be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM02013-E | Exception happened when some CIM class was used.<br>Output destinations: Destinations for output level 0. | An error occurred while reading or using the value specified in CIM.<br>Collect maintenance information and contact the Support Center. |
| KAPM02014-E | An attempt to load the definition for a class has failed. Class name = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 10. | An attempt to load the definition for a class has failed.<br>Take action according to the proceeding message. |
| KAPM02015-E | A class definition could not be found. Class name = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 10. | A class definition could not be found.<br>Reboot the single signon service. |
| KAPM02016-E | A RepositoryException occurred.<br>Output destinations: Destinations for output level 10. | A RepositoryException occurred.<br>Take action according to the proceeding message. |
| KAPM02017-E | The parameter is null.<br>Output destinations: Destinations for output level 10. | The parameter is null.<br>Take action according to the proceeding message. |
| KAPM02018-E | The parameter is invalid.<br>Output destinations: Destinations for output level 10. | The parameter is invalid.<br>Take action according to the proceeding message. |
| KAPM02019-E | The CIMElement already exists.<br>Output destinations: Destinations for output level 10. | The CIMElement already exists.<br>Take action according to the proceeding message. |
| KAPM02020-E | Duplicate data exists.<br>Output destinations: Destinations for output level 10. | Duplicate data exists.<br>Take action according to the proceeding message. |
| KAPM02021-E | The CIMElement could not be found.<br>Output destinations: Destinations for output level 10. | The CIMElement could not be found.<br>Take action according to the proceeding message. |
| KAPM02023-E | The CIMObjectPath is incorrect. A key is required.<br>Output destinations: Destinations for output level 10. | The CIMObjectPath is incorrect. A key is required.<br>Take action according to the proceeding message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02025-E | The CIMObjectPath contains an invalid property.<br>Output destinations: Destinations for output level 10. | The CIMObjectPath contains an invalid property.<br>Take action according to the proceeding message. |
| KAPM02027-E | The key property could not be changed.<br>Output destinations: Destinations for output level 10. | The key property could not be changed.<br>Take action according to the proceeding message. |
| KAPM02029-E | The initialize parameter is invalid.<br>Output destinations: Destinations for output level 10. | The initialize parameter in init.conf is invalid.<br>Take action according to the proceeding message. |
| KAPM02030-E | An unsupported data type was used.<br>Output destinations: Destinations for output level 10. | An unsupported data type was used.<br>Take action according to the proceeding message. |
| KAPM02031-E | The CIMClass is invalid. A KEY property is required.<br>Output destinations: Destinations for output level 10. | The CIMClass is invalid. A KEY property is required.<br>Take action according to the proceeding message. |
| KAPM02032-E | The CIMClass could not be deleted, because it contains instances.<br>Output destinations: Destinations for output level 10. | The CIMClass could not be deleted, because it contains instances.<br>Take action according to the proceeding message. |
| KAPM02033-E | The CIMClass could not be deleted, because it contains subclasses.<br>Output destinations: Destinations for output level 10. | The CIMClass could not be deleted, because it contains subclasses.<br>Take action according to the proceeding message. |
| KAPM02034-E | A ClassNotFoundException occurred.<br>Output destinations: Destinations for output level 0. | A ClassNotFoundException occurred.<br>Take action according to the proceeding message. |
| KAPM02035-E | A CIMInConnectionPoolException occurred.<br>Output destinations: Destinations for output level 10. | A CIMInConnectionPoolException occurred.<br>Take action according to the proceeding message. |
| KAPM02036-E | A connection to the database could not be established.<br>Output destinations: Destinations for output level 10. | A connection to the database could not be established.<br>Take action according to the proceeding message. |
| KAPM02038-W | A DeadLockException occurred. Description = *aa...aa*<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 10. | A DeadLockException occurred.<br>Take action according to the proceeding message. |
| KAPM02039-W | A CIMInDeadLockException occurred.<br>Output destinations: Destinations for output level 10. | A CIMInDeadLockException occurred.<br>Take action according to the proceeding message. |
| KAPM02040-E | The CIMInstance is invalid.<br>Output destinations: Destinations for output level 10. | The CIMInstance is invalid.<br>Take action according to the proceeding message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02041-E | The CIMObjectPath is invalid.<br>Output destinations: Destinations for output level 10. | The CIMObjectPath is invalid.<br>Take action according to the proceeding message. |
| KAPM02042-E | The name of property is invalid.<br>Output destinations: Destinations for output level 10. | The name of property is invalid.<br>Take action according to the proceeding message. |
| KAPM02044-E | A DBNotFoundException occurred.<br>Output destinations: Destinations for output level 10. | A DBNotFoundException occurred.<br>Take action according to the proceeding message. |
| KAPM02045-E | The CIMClass is invalid.<br>Output destinations: Destinations for output level 10. | The CIMClass is invalid.<br>Take action according to the proceeding message. |
| KAPM02046-E | The CIMProperty is invalid. The KEY property must be set.<br>Output destinations: Destinations for output level 10. | The CIMProperty is invalid. The KEY property must be set.<br>Take action according to the proceeding message. |
| KAPM02047-E | The type of class is invalid.<br>Output destinations: Destinations for output level 10. | The type of class is invalid.<br>Take action according to the proceeding message. |
| KAPM02048-E | Failed to get membership groups.<br>Output destinations: Destinations for output level 10. | Failed to get membership groups.<br>Take action according to the proceeding message. |
| KAPM02049-E | Not authorized object. ObjectName = *aa...aa*<br>*aa...aa*: Object name<br>Output destinations: Destinations for output level 10. | Not authorized object.<br>Take action according to the proceeding message. |
| KAPM02050-E | Host name is invalid.<br>Output destinations: Destinations for output level 0. | Host name is invalid.<br>Take action according to the proceeding message. |
| KAPM02051-E | Cannot connect to InterClient.<br>Output destinations: Destinations for output level 0. | Cannot connect to InterClient.<br>Take action according to the proceeding message. |
| KAPM02052-E | Cannot connect to InterBase.<br>Output destinations: Destinations for output level 0. | Cannot connect to InterBase.<br>Take action according to the proceeding message. |
| KAPM02053-E | SQLException occurred. Description = *aa...aa*<br>*aa...aa*: Description<br>Output destinations: Destinations for output level 10. | SQLException occurred.<br>Take action according to the proceeding message. |
| KAPM02054-E | Exception occurred. Description = *aa...aa*<br>*aa...aa*: Description<br>Output destinations: Destinations for output level 10. | Exception occurred.<br>Take action according to the proceeding message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02055-E | CIMException occurred. Description = *aa...aa*<br>*aa...aa*: Description<br>Output destinations: Destinations for output level 10. | CIMException occurred.<br>Take action according to the proceeding message. |
| KAPM02056-E | A CIMClassNotFoundException occurred.<br>Output destinations: Destinations for output level 10. | A CIMClassNotFoundException occurred.<br>Take action according to the proceeding message. |
| KAPM02057-E | IOException occurred. Description = *aa...aa*<br>*aa...aa*: Description<br>Output destinations: Destinations for output level 10. | IOException occurred.<br>Take action according to the proceeding message. |
| KAPM02058-E | InterruptedException occurred. Description = *aa...aa*<br>*aa...aa*: Description<br>Output destinations: Destinations for output level 10. | InterruptedException occurred.<br>Take action according to the proceeding message. |
| KAPM02059-E | The time limit for establishing a connection is over.<br>Output destinations: Destinations for output level 10. | The time limit for establishing a connection is over.<br>Take action according to the proceeding message. |
| KAPM02060-E | An attempt to establish a connection has failed.<br>Output destinations: Destinations for output level 10. | An attempt to establish a connection has failed.<br>Take action according to the proceeding message. |
| KAPM02061-E | *aa...aa*<br>*aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object<br>Output destinations: Destinations for output level 10. | Detailed information for KAPMxxxxx-E. This indicates the thrown exception object and the backtrace for that object.<br>See the message KAPMxxxxx-E. |
| KAPM02062-I | The get method changed the state to the standby state.<br>Output destinations: Destinations for output level 10. | The get method changed the state to the standby state. |
| KAPM02063-I | The createConnection method changed the state to the standby state.<br>Output destinations: Destinations for output level 10. | The createConnection method changed the state to the standby state. |
| KAPM02069-E | A time-over error occurred when connecting to the repository.<br>Output destinations: Destinations for output level 10. | A time-over error occurred when connecting to the repository.<br>If you are trying to log in, log in again. If you have already logged in, retry the operation. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02070-E | A CIMUnavailableDatabaseException occurred. Detailed message of exception = *aa...aa*<br>*aa...aa*: Detailed message of exception<br>Output destinations: Destinations for output level 10. | A CIMUnavailableDatabaseException occurred.<br>Take action according to the proceeding message. |
| KAPM02071-E | HiRDB is not running.<br>Output destinations: Destinations for output level 10. | HiRDB is not running.<br>Please start HiRDB. |
| KAPM02072-E | The password of a user connected to HiRDB is invalid. (user name = *aa...aa*)<br>*aa...aa*: User name<br>Output destinations: Destinations for output level 10. | The password of a user connected to HiRDB is invalid.<br>Check the value of `HiRDB.password` in the `user.conf` file. If that is not the problem, contact the Support Center. |
| KAPM02073-E | The user name of a user connected to HiRDB is invalid. (user name = *aa...aa*)<br>*aa...aa*: User name<br>Output destinations: Destinations for output level 10. | The user name of a user connected to HiRDB is invalid.<br>Check the value of `HiRDB.user` in the `user.conf` file. If that is not the problem, contact the Support Center. |
| KAPM02074-W | The table name registered into DBMS is changed. Before= *aa...aa* After = *bb...bb*<br>*aa...aa*: Before<br>*bb...bb*: After<br>Output destinations: Destinations for output level 10. | The table name to be registered in the DBMS will be changed. |
| KAPM02075-E | An attempt to set a connection to the factory has failed.<br>Output destinations: Destinations for output level 10. | An attempt to set a connection to the factory has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02076-I | Processing to initialize the connection pool was executed.<br>*aa...aa*: Initial value, *bb...bb*: Increment value, *cc...cc*: Maximum value, *dd...dd*: Keep-alive period, *ee...ee*: Timeout period, *ff...ff*: Number of retries, *gg...gg*: Retry interval<br>*aa...aa*: Initial value<br>*bb...bb*: Increment value<br>*cc...cc*: Maximum value<br>*dd...dd*: Keep-alive period<br>*ee...ee*: Timeout period<br>*ff...ff*: Number of retries<br>*gg...gg*: Retry interval<br>Output destinations: Destinations for output level 10. | Processing to initialize the connection pool was executed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02077-E | An attempt to release the connection of the connection pool has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed when an attempt to release the connection of the connection pool fails.<br>Collect maintenance information and contact the Support Center. |
| KAPM02078-E | A RepositoryException occurred. (details = *aa...aa*)<br>*aa...aa*: Details<br>Output destinations: Destinations for output level 10. | This message is displayed when a RepositoryException occurs.<br>Collect maintenance information and contact the Support Center. |
| KAPM02079-E | An attempt to release the JDBC connection has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed when an attempt to release the JDBC connection fails.<br>Collect maintenance information and contact the Support Center. |
| KAPM02080-E | A CIMHeldRepositoryException has occurred. Exception message = *aa...aa*<br>*aa...aa*: detailed message of exception<br>Output destinations: Destinations for output level 10. | A CIMHeldRepositoryException has occurred.<br>Remove the cause of the HiRDB blockage, and then try again. |
| KAPM02201-I | The method was invoked.<br>Output destinations: Destinations for output level 10. | The method was invoked. |
| KAPM02202-I | The following arguments were specified: *aa...aa*<br>*aa...aa*: Arguments<br>Output destinations: Destinations for output level 10. | The following arguments were specified: *aa...aa* |
| KAPM02203-I | External module processing has started. (module = *aa...aa*)<br>*aa...aa*: Module<br>Output destinations: Destinations for output level 10. | External module processing has started. |
| KAPM02204-I | External module processing has terminated. (module = *aa...aa*)<br>*aa...aa*: Module<br>Output destinations: Destinations for output level 10. | External module processing has terminated. |
| KAPM02210-E | The specified argument is null.<br>Output destinations: Destinations for output level 10. | The specified argument is null. |
| KAPM02211-E | The password is not set.<br>Output destinations: Destinations for output level 10. | The password is not set. |
| KAPM02212-E | Authentication has failed.<br>Output destinations: Destinations for output level 10. | Authentication has failed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02213-E | An attempt to read the password file has failed.<br>Output destinations: Destinations for output level 0. | An attempt to read the password file has failed.<br>Confirm that the following file has read permissions. If it does have read permissions, collect maintenance information, and contact the Support Center.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\.hbaspass<br>Solaris or Linux: /opt/HiCommand/Base/conf/.hbaspass |
| KAPM02214-E | An attempt to write to the password file has failed.<br>Output destinations: Destinations for output level 0. | An attempt to write to the password file has failed.<br>Confirm that the following file has write permissions. If it does have write permissions, collect maintenance information, and contact the Support Center.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\.hbaspass<br>Solaris or Linux: /opt/HiCommand/Base/conf/.hbaspass |
| KAPM02215-E | The authenticated user does not have permission to execute the method.<br>Output destinations: Destinations for output level 10. | The authenticated user does not have permission to execute the method. |
| KAPM02216-E | The specified user was not found.<br>Output destinations: Destinations for output level 10. | The specified user was not found. |
| KAPM02217-E | The specified group was not found.<br>Output destinations: Destinations for output level 10. | The specified group was not found. |
| KAPM02218-E | The specified user already exists.<br>Output destinations: Destinations for output level 10. | The specified user already exists. |
| KAPM02219-E | The specified group already exists.<br>Output destinations: Destinations for output level 10. | The specified group already exists. |
| KAPM02220-E | The specified user is already registered in the group.<br>Output destinations: Destinations for output level 10. | The specified user is already registered in the group. |
| KAPM02221-E | hadmin cannot be registered in the group.<br>Output destinations: Destinations for output level 10. | hadmin cannot be registered in the group. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02222-E | An error occurred during user database access.<br>Output destinations: Destinations for output level 10. | An error occurred during user database access.<br>Confirm that DBMS, HBase Storage Mgmt Web Service and HBase Storage Mgmt Common Service have started. If they have started, collect maintenance information, and contact the Support Center. |
| KAPM02223-E | The specified mode is unsupported.<br>Output destinations: Destinations for output level 0. | The specified mode is unsupported.<br>Collect maintenance information and contact the Support Center. |
| KAPM02224-E | A fatal error occurred.<br>Output destinations: Destinations for output level 0. | A fatal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM02225-E | The specified user cannot be deleted.<br>Output destinations: Destinations for output level 10. | The specified user cannot be deleted. |
| KAPM02226-E | The specified group cannot be deleted.<br>Output destinations: Destinations for output level 10. | The specified group cannot be deleted. |
| KAPM02227-E | The common repository is stopping.<br>Output destinations: Destinations for output level 10. | The common repository has stopped.<br>Make sure the DBMS has started. |
| KAPM02228-E | The user ID is not set.<br>Output destinations: Destinations for output level 10. | The user ID is not set.<br>Collect maintenance information and contact the Support Center. |
| KAPM02229-E | The specified user ID is invalid.<br>Output destinations: Destinations for output level 10. | The specified user ID is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM02230-E | The specified password is invalid.<br>Output destinations: Destinations for output level 10. | The specified password is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM02231-E | The application type is not set.<br>Output destinations: Destinations for output level 10. | The application type is not set.<br>Collect maintenance information and contact the Support Center. |
| KAPM02232-E | The resource group ID is not set.<br>Output destinations: Destinations for output level 10. | The resource group ID is not set.<br>Collect maintenance information and contact the Support Center. |
| KAPM02233-E | The specified application is not registered.<br>Output destinations: Destinations for output level 10. | The specified application is not registered.<br>Collect maintenance information and contact the Support Center. |
| KAPM02234-I | The permissions for *aa...aa* will now be changed. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | The permissions for *aa...aa* will now be changed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02235-I | The permissions for *aa...aa* were changed. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | The permissions for *aa...aa* were changed. |
| KAPM02236-I | A user account will now be created. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | A user account will now be created. |
| KAPM02237-I | The user account was created successfully. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | The user account was created successfully. |
| KAPM02238-I | The user-account properties will now be changed. (*aa...aa*)<br>*aa...aa*: Properties list before the change<br>Output destinations: Destinations for output level 10. | The user account properties will now be changed. |
| KAPM02239-I | The user-account properties were changed. (*aa...aa*)<br>*aa...aa*: Properties list after the change<br>Output destinations: Destinations for output level 10. | The user account properties were changed. |
| KAPM02240-I | The resource-group properties will now be changed. (*aa...aa*)<br>*aa...aa*: Properties list before the change<br>Output destinations: Destinations for output level 10. | The resource group properties will now be changed. |
| KAPM02241-I | The resource-group properties were changed. (*aa...aa*)<br>*aa...aa*: Properties list after the change<br>Output destinations: Destinations for output level 10. | The resource group properties were changed. |
| KAPM02242-I | The allocation status of the resource group will now be changed. (*aa...aa*)<br>*aa...aa*: Allocation status before the change<br>Output destinations: Destinations for output level 10. | The allocation status of the resource group will now be changed. |
| KAPM02243-I | The allocation status of the resource group was changed. (*aa...aa*)<br>*aa...aa*: Allocation status after the change<br>Output destinations: Destinations for output level 10. | The allocation status of the resource group was changed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02244-I | The password will now be changed. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | The password will now be changed. |
| KAPM02245-I | The password was changed. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | The password was changed. |
| KAPM02246-I | The user account will now be deleted. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | The user account will now be deleted. |
| KAPM02247-I | The user account was deleted. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | The user account was deleted. |
| KAPM02248-I | The resource group will now be deleted. (resource group ID = *aa...aa*, resource group name = *bb...bb*)<br>*aa...aa*: Resource-group ID<br>*bb...bb*: Resource-group name<br>Output destinations: Destinations for output level 10. | The resource group will now be deleted. |
| KAPM02249-I | The resource group was deleted. (resource group ID = *aa...aa*, resource group name = *bb...bb*)<br>*aa...aa*: Resource-group ID<br>*bb...bb*: Resource-group name<br>Output destinations: Destinations for output level 10. | The resource group was deleted. |
| KAPM02250-E | A resource group with the same name has already been registered. (resource group name = *aa...aa*)<br>*aa...aa*: Resource-group name<br>Output destinations: Destinations for output level 10. | A resource group with the same name has already been registered. |
| KAPM02251-E | A user account with the same user ID has already been registered. (User ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | A user account with the same user ID has already been registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02252-E | A resource group with the same ID has already been registered. (group ID = *aa...aa*)<br>*aa...aa*: Group ID<br>Output destinations: Destinations for output level 10. | A resource group with the same ID has already been registered. |
| KAPM02254-I | Request information: (API version = *aa...aa*, Command name = *bb...bb*, User ID or session ID = *cc...cc*)<br>*aa...aa*: API version<br>*bb...bb*: Command name<br>*cc...cc*: User ID or session ID<br>Output destinations: Destinations for output level 10. | Request information. |
| KAPM02255-E | The specified version is not supported. (version = *aa...aa*)<br>*aa...aa*: API version<br>Output destinations: Destinations for output level 10. | The specified version is not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM02256-E | The specified command is not supported. (command = *aa...aa*)<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10. | The specified command is not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM02257-E | Authentication has failed. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | Authentication has failed.<br>Make sure the combination of user ID and password is correct. |
| KAPM02258-I | Response information: (API version = *aa...aa*, Command name = *bb...bb*, Response status = *cc...cc*)<br>*aa...aa*: API version<br>*bb...bb*: Command name<br>*cc...cc*: Response status<br>Output destinations: Destinations for output level 10. | Response information. |
| KAPM02259-I | Response information when an error occurs: (Error code = *aa...aa*, Description = *bb...bb*)<br>*aa...aa*: Error code<br>*bb...bb*: Description<br>Output destinations: Destinations for output level 10. | Response information when an error occurs. |
| KAPM02260-E | An attempt to communicate with a server has failed. (URL = *aa...aa*)<br>*aa...aa*: URL of the server<br>Output destinations: Destinations for output level 10. | An attempt to communicate with a server has failed.<br>Make sure the HBase Storage Mgmt Common Service or the HBase Storage Mgmt Web Service of the server specified in the URL has started. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02261-E | An attempt to parse the response has failed.<br>Output destinations: Destinations for output level 10. | An attempt to parse the response has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02262-E | The request parameter is invalid.<br>Output destinations: Destinations for output level 10. | The request parameter is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM02263-E | This user does not have execution permissions. (ID = *aa...aa*)<br>*aa...aa*: Session ID<br>Output destinations: Destinations for output level 10. | This user does not have execution permissions.<br>Collect maintenance information and contact the Support Center. |
| KAPM02269-E | The specified user was not found.<br>Output destinations: syslog/Eventlog/Destinations for output level 10, and windows. | The specified user was not found.<br>Another user might have deleted the specified user.<br>Refresh the display and make sure the selected user is registered. |
| KAPM02270-E | The same user ID already exists.<br>Output destinations: Destinations for output level 10. | The same user ID already exists.<br>Specify another user ID. |
| KAPM02271-E | An attempt to communicate with a database has failed.<br>Output destinations: Destinations for output level 10. | An attempt to communicate with a database has failed.<br>Make sure that HiRDB has started. |
| KAPM02272-E | An error occurred within the server.<br>Output destinations: Destinations for output level 10. | An error occurred within the server.<br>Collect maintenance information and contact the Support Center. |
| KAPM02273-I | The user will now be added. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user will now be added. |
| KAPM02274-I | The user was added successfully. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user was added successfully. |
| KAPM02275-I | The password will now be changed. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The password will now be changed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02276-I | The password was changed successfully. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The password was changed successfully. |
| KAPM02277-I | The user profile will now be changed. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user profile will now be changed. |
| KAPM02278-I | The user profile was changed successfully. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user profile was changed successfully. |
| KAPM02279-I | The permissions will now be changed. (ID = *aa...aa*, user ID = *bb...bb*, permissions = *cc...cc*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>*cc...cc*: Permissions after the change<br>Output destinations: Destinations for output level 10. | The permissions will now be changed. |
| KAPM02280-I | The permissions were changed successfully. (ID = *aa...aa*, user ID = *bb...bb*, permissions = *cc...cc*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>*cc...cc*: Permissions after the change<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | The permissions were changed successfully. |
| KAPM02281-I | The user will now be deleted. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user will now be deleted. |
| KAPM02282-I | The user was deleted successfully. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user was deleted successfully. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02283-E | The old password is incorrect. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The old password is incorrect. |
| KAPM02284-I | The user will now be locked. (ID = *aa...aa*, user ID = bb...bb)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user will now be locked. |
| KAPM02285-I | The user was locked successfully. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user was locked successfully. |
| KAPM02286-E | An attempt to lock the user has failed. *aa...aa*<br>*aa...aa*: Detailed information<br>Output destinations: Destinations for output level 10, and windows. | An attempt to lock the user has failed.<br>See the message that follows. |
| KAPM02287-I | The user will now be unlocked. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user will now be unlocked. |
| KAPM02288-I | The user was unlocked successfully. (ID = *aa...aa*, user ID = *bb...bb*)<br>*aa...aa*: Session ID<br>*bb...bb*: User ID<br>Output destinations: Destinations for output level 10. | The user was unlocked successfully. |
| KAPM02289-E | An attempt to unlock the user has failed. *aa...aa*<br>*aa...aa*: Detailed information<br>Output destinations: Destinations for output level 10, and windows. | An attempt to unlock the user has failed.<br>See the Message of the next message. |
| KAPM02290-I | Authentication was successful. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10. | Authentication was successful. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02291-W | Authentication has failed. *aa...aa*<br>*aa...aa*: Detailed information<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | Authentication has failed. |
| KAPM02292-W | Authentication has failed for *aa...aa* times in a row, so the user (*bb...bb*) was locked.<br>*aa...aa*: Failure times<br>*bb...bb*: User ID<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | Authentication has failed for aa...aa times in a row, so the user (bb...bb) was locked. |
| KAPM02294-E | The RD area of HBase is blocked.<br>Output destinations: Destinations for output level 10. | The RD area of HBase is blocked.<br>Remove the cause of the HiRDB blockage, and then try again. |
| KAPM02295-E | A distinguished name has not been set.<br>Output destinations: Destinations for output level 10. | A distinguished name has not been set.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM02296-E | A domain name has not been set.<br>Output destinations: Destinations for output level 10. | A domain name has not been set.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM02297-E | The specified distinguished name already exists. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: Destinations for output level 10. | The specified distinguished name already exists.<br>Specify a different distinguished name. |
| KAPM02298-E | The specified distinguished name could not be found. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: Destinations for output level 10. | The specified distinguished name could not be found.<br>Another user might have already deleted the specified authorization group. Refresh the screen, and then check whether the specified authorization group is registered. |
| KAPM02301-E | hcmds.home is not set in the Java system properties.<br>Output destinations: Destinations for output level 10. | hcmds.home is not set in the Java system properties.<br>Collect maintenance information and contact the Support Center. |
| KAPM02302-E | An error occurred during loading of a library.<br>Output destinations: Destinations for output level 10. | An error occurred during loading of a library.<br>Collect maintenance information and contact the Support Center. |
| KAPM02303-E | An attempt to acquire user information about a HiRDB-connected user has failed. error code = *aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | An attempt to acquire user information about a HiRDB-connected user has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02304-E | An attempt to set a system environment variable has failed. error code = *aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | An attempt to set a system environment variable has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02305-E | Attempts to set the system environment variables PDDIR and PATH have failed. error code = *aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | Attempts to set the system environment variables PDDIR and PATH have failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02306-E | An attempt to clear an HiRDB system environment variable has failed. error code = *aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | An attempt to clear an HiRDB system environment variable has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02307-E | The application type is required, but is not set.<br>Output destinations: Destinations for output level 10. | The application type is required, but is not set.<br>Collect maintenance information and contact the Support Center. |
| KAPM02401-E | An attempt to read the file failed. (path = *aa...aa*)<br>*aa...aa*: Path<br>Output destinations: Destinations for output level 10. | An attempt to read the file failed.<br>Confirm that a file exists in the specified location. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02409-E | A communication error occurred in an external authentication server. (error code = *aa...aa*)<br>*aa...aa*: error code<br>Output destinations: Destinations for output level 10. | A communication error occurred in an external authentication server.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in "*exauth.properties*", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the "*auth.server.name*" attribute in "*exauth.properties*" is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in "*exauth.properties*", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the "*auth.server.name*" attribute in "*exauth.properties*" is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM02410-W | Authentication with an external authentication server has failed. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*)<br>*aa...aa*: User ID<br>*bb...bb*: Host<br>*cc...cc*: Port<br>*dd...dd*: Protocol<br>Output destinations: Destinations for output level 10. | The login user failed to be authenticated on the external authentication server.<br>Log in again using a valid user ID and password. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02411-W | Authentication with an external authentication server has failed. The specified user was not found in the external authentication server. (user ID = *aa...aa*, host = *bb...bb*)<br>*aa...aa*: User ID<br>*bb...bb*: Host<br>Output destinations: Destinations for output level 10. | The login user was not found in the external authentication server.<br>Log in again using a valid user ID and password. |
| KAPM02412-E | A naming exception occurred. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>Output destinations: Destinations for output level 10. | A naming exception occurred.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02413-E | The negotiation for a TLS session has failed. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>Output destinations: Destinations for output level 10. | Negotiation for a TLS session has failed.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM02414-I | Authentication with an external authentication server was successful. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*)<br>*aa...aa*: User ID<br>*bb...bb*: Host<br>*cc...cc*: Port<br>*dd...dd*: Protocol<br>Output destinations: Destinations for output level 10. | The login user was successfully authenticated on the external authentication server. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02416-E | A communication error occurred in an external authentication server.<br>Output destinations: Destinations for output level 10. | A communication error occurred in an external authentication server.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02417-E | Communication with an external authentication server has failed. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>Output destinations: Destinations for output level 10. | An attempt to communicate with the LDAP server has failed.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02418-E | The LDAP service cannot be used. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>Output destinations: Destinations for output level 10. | The LDAP service cannot be used.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM02419-W | Only local operation is available because the attempt to read the configuration file for the external authentication server has failed.<br>Output destinations: Destinations for output level 10. | Only local operation is available because the attempt to read the configuration file for the external authentication server has failed.<br>Review the settings in the configuration file for the external authentication server. |
| KAPM02422-W | A parameter in the exauth.properties file contains an invalid value (*aa...aa* = *bb...bb*). The default value (*cc...cc*) will be used.<br>*aa...aa*: Parameter name<br>*bb...bb*: Parameter value<br>*cc...cc*: Default value<br>Output destinations: Destinations for output level 10. | The exauth.properties file (configuration file for the external authentication server) contains an invalid parameter file.<br>Review the settings in the configuration file for the external authentication server. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02423-E | Authentication of the search user has failed. (host = *aa...aa*)<br>*aa...aa*: Host<br>Output destinations: Destinations for output level 10. | Authentication of the search user at the LDAP server has failed.<br>Use the hcmdsldapuser command to register the access user in the external authentication server. If the user has already been registered, check the settings for that user. |
| KAPM02424-E | An error occurred in the external authentication server.<br>Output destinations: Destinations for output level 10. | An error occurred in the LDAP server. |
| KAPM02425-E | A parameter was not specified. (parameter = *aa...aa*)<br>*aa...aa*: Parameter name<br>Output destinations: Destinations for output level 10. | A parameter is not specified in the configuration file for the external authentication server.<br>Review the settings in the configuration file for the external authentication server. |
| KAPM02426-E | Authentication stopped because a setting in the configuration file for the external authentication server was invalid.<br>Output destinations: Destinations for output level 10. | Authentication stopped because a setting in the configuration file for the external authentication server was invalid.<br>Review the settings in the configuration file for the external authentication server. |
| KAPM02427-E | An invalid character was specified in the URL for a host name or a port number. (host = *aa...aa*, port = *bb...bb*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>Output destinations: Destinations for output level 10. | A URL for a host name or a port number, specified in the configuration file for the external authentication server, contains invalid characters.<br>Review the settings in the configuration file for the external authentication server. |
| KAPM02429-I | A RADIUS packet has been received. (packet information = *aa...aa*)<br>*aa...aa*: Packet information<br>Output destinations: Destinations for output level 10. | A RADIUS packet has been received. |
| KAPM02430-E | Verification of a RADIUS packet has failed. (host = *aa...aa*, port = *bb...bb*, protocol = cc...cc, cause = *dd...dd*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>*dd...dd*: Cause of failure<br>Output destinations: Destinations for output level 10. | Verification of a RADIUS packet has failed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02431-E | The connection to an external authentication server has timed out. (host = aa...aa, port = *bb...bb*, protocol = *cc...cc*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>Output destinations: Destinations for output level 10. | The connection to an external authentication server has timed out.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02432-E | SSL-encrypted communication with the external authentication server has failed. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>Output destinations: Destinations for output level 10. | SSL-encrypted communication with the external authentication server has failed.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM02434-W | The lock processing was interrupted.<br>Output destinations: Destinations for output level 10. | The lock processing was interrupted.<br>Make a selection such that at least one user has the User Management permission. |
| KAPM02435-W | If the selected user accounts are locked, no more users will have the User Management permission.<br>Output destinations: Destinations for output level 10. | If the selected user accounts are locked, no more users will have the User Management permission.<br>Make a selection such that at least one user has the User Management permission. |
| KAPM02436-E | Determination of whether lock processing was performed has failed.<br>Output destinations: Destinations for output level 10. | Determination of whether lock processing was performed has failed.<br>Acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02450-I | Authentication by an external authentication server was successful. (*server type* = *aa...aa, host* = *bb...bb*)<br>*aa...aa*: Server type<br>*bb...bb*: Host<br>Output destinations: syslog/Eventlog | This audit log data indicates that login was successful. |
| KAPM02451-W | Authentication by an external authentication server has failed. (server type = *aa...aa*, host = *bb...bb*)<br>*aa...aa*: Server type<br>*bb...bb*: Host<br>Output destinations: syslog/Eventlog | This audit log data indicates that login has failed. |
| KAPM02452-I | A user's authentication method has been successfully changed. (authentication method = *aa...aa*, user ID = *bb...bb*)<br>aa...aa: Authentication method<br>bb...bb: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that a user's authentication method has been successfully changed. |
| KAPM02453-E | An attempt to change a user's authentication method has failed. (authentication method = *aa...aa*, user ID = bb...bb)<br>*aa...aa*: Authentication method<br>*bb...bb*: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that an attempt to change a user's authentication method has failed. |
| KAPM02454-E | Acquisition of SRV records failed. (domain name = *aa...aa*, protocol = *bb...bb*)<br>*aa...aa*: Domain name<br>*bb...bb*: Protocol<br>Output destinations: Destinations for output level 10. | Acquisition of SRV records failed.<br>Make sure that SRV records have been defined on the DNS server. |
| KAPM02455-E | A domain has been removed from the domain list because the acquisition of SRV records failed. (domain name = *aa...aa*)<br>*aa...aa*: Domain name<br>Output destinations: Destinations for output level 20. | A domain has been removed from the domain list because the acquisition of SRV records failed.<br>Make sure that SRV records have been defined on the DNS server. |
| KAPM02456-E | A function cannot be used because group mapping is disabled. (function name = *aa...aa*)<br>*aa...aa*: Function name<br>Output destinations: Destinations for output level 10. | A function cannot be used because group mapping is disabled.<br>Revise the settings in the configuration file for the external authentication server (`exauth.properties`). |
| KAPM02457-E | Acquisition of the password file failed.<br>Output destinations: Destinations for output level 10. | Acquisition of the password file failed.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02458-E | A setting in the configuration file for the external authentication server (exauth.properties) is invalid.<br>Output destinations: Destinations for output level 10. | A setting in the configuration file for the external authentication server (exauth.properties) is invalid.<br>Revise the settings in the configuration file for the external authentication server (exauth.properties). |
| KAPM02459-E | The domain cannot be linked to. (domain name = *aa...aa*)<br>*aa...aa*: Domain name<br>Output destinations: Destinations for output level 10, and windows. | The domain cannot be linked to.<br>Use a domain that can be linked to. |
| KAPM02502-E | Please enter a password that satisfies the following conditions:<br>A minimum of *aa...aa* upper-case characters.<br>A minimum of *bb...bb* lower-case characters.<br>A minimum of *cc...cc* numerals.<br>A minimum of *dd...dd* symbols.<br>Different from the user ID.<br>*aa...aa*: the minimum number of characters<br>*bb...bb*: the minimum number of characters<br>*cc...cc*: the minimum number of characters<br>*dd...dd*: the minimum number of characters<br>Output destinations: Destinations for output level 10, and windows. | Please enter a password that satisfies the following conditions:<br>A minimum of *aa...aa* upper-case characters.<br>A minimum of *bb...bb* lower-case characters.<br>A minimum of *cc...cc* numerals.<br>A minimum of *dd...dd* symbols.<br>Different from the user ID.<br>Enter an appropriate value according to the error message. |
| KAPM02503-E | A minimum of *aa...aa* upper-case characters.<br>*aa...aa*: the minimum number of characters<br>Output destinations: Destinations for output level 10, and windows. | A minimum of *aa...aa* upper-case characters.<br>Enter an appropriate value according to the error message. |
| KAPM02504-E | A minimum of *aa...aa* lower-case characters.<br>*aa...aa*: the minimum number of characters<br>Output destinations: Destinations for output level 10, and windows. | A minimum of *aa...aa* lower-case characters.<br>Enter an appropriate value according to the error message. |
| KAPM02505-E | A minimum of *aa...aa* numerals.<br>*aa...aa*: the minimum number of characters<br>Output destinations: Destinations for output level 10, and windows. | A minimum of *aa...aa* numerals.<br>Enter an appropriate value according to the error message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02506-E | A minimum of *aa...aa* symbols.<br>*aa...aa*: the minimum number of characters<br>Output destinations: Destinations for output level 10, and windows. | A minimum of *aa...aa* symbols.<br>Enter an appropriate value according to the error message. |
| KAPM02507-E | Different from the user ID.<br>Output destinations: Destinations for output level 10, and windows. | Different from the user ID.<br>Enter an appropriate value according to the error message. |
| KAPM02508-E | Enter a value that is exactly *aa...aa* characters long.<br>*aa...aa*: the maximum number of characters<br>Output destinations: Destinations for output level 10, and windows. | Enter a value that is exactly *aa...aa* characters long.<br>Enter an appropriate value according to the error message. |
| KAPM02509-E | The following characters can be used for the value:<br>A-Z a-z 0-9 # + - . @ _<br>Output destinations: Destinations for output level 10, and windows. | The following characters can be used for the value:<br>A-Z a-z 0-9 # + - . @ _<br>Enter an appropriate value according to the error message. |
| KAPM02510-I | Authentication by using a KDC was successful. (Kerberos principal = *aa...aa*, KDC = *bb...bb*)<br>*aa...aa*: Kerberos principal name<br>*bb...bb*: KDC<br>Output destinations: Destinations for output level 10. | Authentication by using a KDC was successful. |
| KAPM02511-E | Communication with KDC failed. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10. | Communication with KDC failed.<br>Make sure the specified KDC is correct. |
| KAPM02512-E | Resolution of the KDC host name failed. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10. | Resolution of the KDC host name failed.<br>Perform one of the following procedures:<br>▪ Make sure the specified KDC is correct.<br>▪ Make sure the specified host name in the KDC is registered in the DNS server. |
| KAPM02513-W | Authentication by using a KDC failed. (Kerberos principal = *aa...aa*, KDC = *bb...bb*)<br>*aa...aa*: Kerberos principal name<br>*bb...bb*: KDC<br>Output destinations: Destinations for output level 10. | Authentication by using a KDC failed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02514-I | The krb5.conf file, used for internal processing, was successfully deleted. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 20. | The krb5.conf file, used for internal processing, was successfully deleted. |
| KAPM02515-W | Deletion of the krb5.conf file, used for internal processing, failed. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | Deletion of the krb5.conf file, used for internal processing, was successful. |
| KAPM02516-I | The krb5.conf file, used for internal processing, was successfully created. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 20. | The krb5.conf file, used for internal processing, was successfully created. |
| KAPM02517-E | Creation of the krb5.conf file, used for internal processing, failed. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | Creation of the krb5.conf file, used for internal processing, failed.<br>Make sure you have the necessary permissions to create the file on the specified path. |
| KAPM02518-I | A request to acquire SRV records was sent. (record key = *aa...aa*)<br>*aa...aa*: SRV record key<br>Output destinations: Destinations for output level 20. | A request to acquire SRV records was sent. |
| KAPM02519-E | Communication with the DNS server failed.<br>Output destinations: Destinations for output level 10. | Communication with the DNS server failed.<br>Make sure the DNS server settings in the OS are correct.<br>Make sure the status of the network connected with the DNS server is normal. |
| KAPM02520-E | The Kerberos authentication settings are invalid.<br>Output destinations: Destinations for output level 10. | The Kerberos authentication settings are invalid.<br>Revise the Kerberos authentication settings in the `exauth.properties` file or the search user definition. |
| KAPM02521-E | The Kerberos realm or KDC definition is invalid. (realm name = *aa...aa*)<br>*aa...aa*: Realm name<br>Output destinations: Destinations for output level 10. | The Kerberos realm or KDC definition is invalid.<br>Check and, if necessary, revise the `exauth.properties` file realm or the KDC definition. |
| KAPM02522-W | The SRV records are undefined. (record key = *aa...aa*)<br>*aa...aa*: SRV record key<br>Output destinations: Destinations for output level 20. | The SRV records are undefined. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02523-I | Acquisition of the SRV records was successful. (SRV record = *aa...aa*)<br>*aa...aa*: SRV record<br>Output destinations: Destinations for output level 10. | Acquisition of the SRV records was successful. |
| KAPM02524-E | Acquisition of the SRV records failed. (record key = *aa...aa*)<br>*aa...aa*: SRV record key<br>Output destinations: Destinations for output level 10. | Acquisition of the SRV records failed.<br>Make sure that the SRV records are defined on the DNS server. |
| KAPM02525-E | An error occurred on the DNS server.<br>Output destinations: Destinations for output level 10. | An error occurred on the DNS server.<br>Check the operation status of the DNS server. |
| KAPM02526-I | Processing to identify the user account will now start. (user ID = *aa...aa*, server type = *bb...bb*)<br>*aa...aa*: User ID<br>*bb...bb*: Server type<br>Output destinations: Destinations for output level 20. | Processing to identify the user account will now start. |
| KAPM02527-I | The user account was found. (user ID = *aa...aa*, internal = *bb...bb*)<br>*aa...aa*: User ID<br>*bb...bb*: Boolean value that shows whether an external authentication server is used<br>Output destinations: Destinations for output level 20. | The user account was found. |
| KAPM02528-I | The user account was not found. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 20. | The user account was not found. |
| KAPM02529-I | The user account was identified. (user ID = *aa...aa*, external = *bb...bb*, Kerberos user = *cc...cc*, Kerberos realm = *dd...dd*)<br>*aa...aa*: User ID<br>*bb...bb*: Boolean value that shows whether an external authentication server is used<br>*cc...cc*: Kerberos user name<br>*dd...dd*: Kerberos realm name<br>Output destinations: Destinations for output level 20. | The user account was identified. |
| KAPM02551-E | The following characters can be used for the value: *aa...aa*<br>*aa...aa*: Value<br>Output destinations: Destinations for output level 10. | The following characters can be used for the value.<br>Enter an appropriate value according to the error message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02603-E | The resource group already exists. (resource group name = *aa...aa*)<br>*aa...aa*: Resource group name<br>Output destinations: Destinations for output level 10, and windows. | The resource group aa...aa already exists.<br>Check the resource group name, and then change it to a name that differs from the others. |
| KAPM02604-E | An HcmdsInvalidOperationException occurred.<br>Output destinations: Destinations for output level 10. | Settings for adding a user are invalid.<br>Make sure that the settings for adding users are valid. |
| KAPM02605-E | An HcmdsAuthorizationException occurred.<br>Output destinations: Destinations for output level 10. | The logged in user does not have the required permissions to add users.<br>Add users by using an account that has the required permissions. |
| KAPM02606-E | An HcmdsUserManagementException occurred.<br>Output destinations: Destinations for output level 10. | A problem occurred while adding a user.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM02607-E | Make sure that the users can be added.<br>Output destinations: Destinations for output level 30. | Make sure that the users can be added. |
| KAPM02615-E | An HSSOException occurred.<br>Output destinations: Destinations for output level 10. | An HSSOException occurred.<br>Make sure that the repository is running. If you cannot, acquire the maintenance information, and then contact the Support Center. |
| KAPM02616-E | An IOException occurred.<br>Output destinations: Destinations for output level 10. | An IOException occurred.<br>Make sure that the file input and output are correct. If you cannot, acquire the maintenance information, and then contact the Support Center. |
| KAPM02617-E | A CIMException occurred.<br>Output destinations: Destinations for output level 10. | A CIMException occurred.<br>Make sure that the access method for the repository is correct. If you cannot, acquire the maintenance information, and then contact the Support Center. |
| KAPM02618-E | A CIMUnavailableDatabaseException occurred.<br>Output destinations: Destinations for output level 10. | A CIMUnavailableDatabaseException occurred.<br>Make sure that the connection to the repository is correct. If you cannot, acquire the maintenance information, and then contact the Support Center. |
| KAPM02620-E | The resource group was not found.<br>Output destinations: Destinations for output level 10. | The resource group was not found. |
| KAPM02625-E | The specified software definition *aa...aa* was not found.<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10. | The specified software definition *aa...aa* was not found. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02630-I | A resource group has been created. (login ID = *aa...aa*, resource group name = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group name<br>*cc...cc*: Module name<br>Output destinations: Audit Log | A resource group has been created. (login ID = *aa...aa*, resource group name = *bb...bb*, module name = *cc...cc*) |
| KAPM02631-I | A resource group has been deleted. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | A resource group has been deleted. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) |
| KAPM02632-I | A resource has been added. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | A resource has been added. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) |
| KAPM02633-I | A resource has been removed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | A resource has been removed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) |
| KAPM02634-I | A resource group property has been edited. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | A resource group property has been edited. (login ID = *aa...aa*, resource group ID = *bb...b*b, module name = *cc...cc*) |
| KAPM02635-E | Creation of a resource group has failed. (login ID = *aa...aa*, resource group name = *bb...b*b, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group name<br>*cc...cc*: Module name<br>Output destinations: Audit Log | Creation of a resource group has failed. (login ID = *aa...aa,* resource group ID = *bb...bb*, module name = *cc...cc*) |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02636-E | Deletion of a resource group has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | Deletion of a resource group has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) |
| KAPM02637-E | Addition of a resource has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | Addition of a resource has failed. (login ID =*aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) |
| KAPM02638-E | Removal of a resource has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | Removal of a resource has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) |
| KAPM02639-E | An attempt to edit a resource group property has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)<br>*aa...aa*: Login ID<br>*bb...bb*: Resource group ID<br>*cc...cc*: Module name<br>Output destinations: Audit Log | An attempt to edit a resource group property has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) |
| KAPM02650-I | A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*)<br>*aa...aa*: HSSO token<br>*bb...bb*: Application name<br>Output destinations: Destinations for output level 10. | A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*) |
| KAPM02651-I | The software definition *aa...a*a does not exist.<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10. | The specified software definition *aa...aa* does not exist in the repository. |
| KAPM02652-I | *aa...aa* is not associated with a resource bundle.<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10. | *aa...aa* is not associated with a resource bundle. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02654-E | A ResourceTabHandleException occurred.<br>Output destinations: Destinations for output level 10. | A ResourceTabHandleException occurred.<br>Check and, if necessary, revise the registered software definitions and resource bundles. |
| KAPM02656-I | A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*, resource group ID = *cc...cc*, resource group name = *dd...dd*)<br>*aa...aa*: HSSO token<br>*bb...bb*: Application name<br>*cc...cc*: Resource group ID<br>*dd...dd*: Resource group name<br>Output destinations: Destinations for output level 10. | A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*, resource group ID = *cc...cc*, resource group name = *dd...dd*) |
| KAPM02659-I | No users that can be added exist.<br>Output destinations: Destinations for output level 10. | No users that can be added exist. |
| KAPM02660-I | A user has been added successfully. (resource group name = *aa...aa*, user name = *bb...bb*)<br>*aa...aa*: Resource group name<br>*bb...bb*: User name<br>Output destinations: Destinations for output level 10. | A user has been added successfully. (resource group name = *aa...aa*, user name = *bb...bb*) |
| KAPM02661-I | A user has been removed successfully. (resource group name = *aa...aa*, user name = *bb...bb*)<br>*aa...aa*: Resource group name<br>*bb...bb*: User name<br>Output destinations: Destinations for output level 10. | A user has been removed successfully. (resource group name = *aa...aa*, user name = *bb...bb*) |
| KAPM02704-W | An invalid RUAccessPoint object was created. Addition to the launch list is not performed. Name=*aa...aa*, URL=*bb...bb*, TokenVersion=*cc...cc*, IconUrl=*dd...dd*, IconMsg=*ee...ee*<br>*aa...aa*: Name<br>*bb...bb*: URL<br>*cc...cc*: Token version<br>*dd...dd*: Icon URL<br>*ee...ee*: Icon message<br>Output destinations: Destinations for output level 10. | An invalid RUAccessPoint object was created. Addition to the launch list is not performed. |
| KAPM02705-E | CIMException occurred. The processing that acquires RUAccessPoint will now be interrupted.<br>Output destinations: Destinations for output level 10. | CIMException occurred. The processing that acquires RUAccessPoint will now be interrupted.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02706-E | The URL format is failed. URL=*aa...aa*<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 10. | The URL format is failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02801-I | [SQL]: *aa...aa*<br>*aa...aa*: Execution SQL statement<br>Output destinations: Destinations for output level 10. | An SQL statement was executed.<br>Take action according to the proceeding message. |
| KAPM02802-E | A HcmdsExecException occurred. Message=*aa...aa*, Reason=*bb...bb*<br>*aa...aa*: Message<br>*bb...bb*: Reason<br>Output destinations: Destinations for output level 10. | A HcmdsExecException occurred.<br>Take action according to the proceeding message. |
| KAPM02803-E | Option is invalid.<br>Output destinations: Destinations for output level 10. | Option is invalid.<br>Check the options. |
| KAPM02804-E | A Exception occurred. Message=*aa...aa*<br>*aa...aa*: Message<br>Output destinations: Destinations for output level 10. | A Exception occurred.<br>Take action according to the proceeding message. |
| KAPM02805-E | [Stack Trace]:*aa...aa*<br>*aa...aa*: Stack trace<br>Output destinations: Destinations for output level 10. | A stack trace will be output.<br>Take action according to the proceeding message. |
| KAPM02806-E | A FileNotFoundException occurred.<br>Output destinations: Destinations for output level 10. | A FileNotFoundException occurred.<br>Confirm that a file exists in the specified location. |
| KAPM02807-E | A IOException occurred.<br>Output destinations: Destinations for output level 10. | A IOException occurred.<br>Take action according to the proceeding message. |
| KAPM02809-E | A SQLException occurred. Message=*aa...aa*<br>*aa...aa*: Message<br>Output destinations: Destinations for output level 10. | A SQLException occurred.<br>Take action according to the proceeding message. |
| KAPM02810-E | An EXECUPDATE statement failed. Execution SQL statement = *aa...aa*<br>*aa...aa*: Execution SQL statement<br>Output destinations: Destinations for output level 10. | An EXECUPDATE statement failed.<br>Take action according to the proceeding message. |
| KAPM02811-E | A ClassNotFoundException occurred.<br>Output destinations: Destinations for output level 10. | A ClassNotFoundException occurred.<br>Take action according to the proceeding message. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02812-E | A SQL statement failed. Message=*aa...aa*, Reason=*bb...bb*<br>*aa...aa*: Message<br>*bb...bb*: Reason<br>Output destinations: Destinations for output level 10. | A SQL statement failed.<br>Take action according to the proceeding message. |
| KAPM02813-E | An EXECQUERY statement failed. Execution SQL statement = *aa...aa*<br>*aa...aa*: Execution SQL statement<br>Output destinations: Destinations for output level 10. | An EXECQUERY statement failed.<br>Take action according to the proceeding message. |
| KAPM02814-E | A SQLException occurred.<br>Output destinations: Destinations for output level 10. | A SQLException occurred.<br>Take action according to the proceeding message. |
| KAPM02815-E | File is not found. file-name = *aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | File is not found.<br>Confirm that a file exists in the specified location. |
| KAPM02816-I | Record No.: *aa...aa*<br>*aa...aa*: Record number<br>Output destinations: Destinations for output level 10. | Displays the record number. |
| KAPM02817-I | Column count: *aa...aa*<br>*aa...aa*: Number of columns<br>Output destinations: Destinations for output level 10. | Displays the number of columns. |
| KAPM02818-I | *aa...aa*: *bb...bb*<br>*aa...aa*: Column name<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | Displays the column name and value. |
| KAPM02891-E | DB is not found.<br>Output destinations: Destinations for output level 10. | Database is not found.<br>Check the value of DATABASE.path in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM02892-E | User name or password is invalid.<br>Output destinations: Destinations for output level 10. | User name or password is invalid.<br>Check the value of DATABASE.user and DATABASE.password in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02893-E | The host name is invalid.<br>Output destinations: Destinations for output level 10. | The host name is invalid.<br>Check the value of DATABASE.hostname in the configuration file.<br>Windows : *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM02894-E | No suitable driver exists.<br>Output destinations: Destinations for output level 10. | No suitable driver exists.<br>Check the value of DATABASE.type in the configuration file.<br>Windows : *HiCommand-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux : /opt/HiCommand/Base/conf/user.conf |
| KAPM02895-E | A connection to InterClient could not be established.<br>Output destinations: Destinations for output level 10. | A connection to InterClient could not be established.<br>Confirm that the InterClient service is running. |
| KAPM02896-E | A connection to InterBase could not be established.<br>Output destinations: Destinations for output level 10. | A connection to InterBase could not be established.<br>Confirm that the InterBase service is running. |
| KAPM02899-E | Fatal error.<br>Output destinations: Destinations for output level 10. | Processing continuation is impossible.<br>Collect maintenance information and contact the Support Center. |
| KAPM02901-I | [Trace]: *aa...aa*<br>*aa...aa*: Trace message<br>Output destinations: Destinations for output level 10. | A trace message will be output.<br>▪ Read legacy record.<br>▪ Order of hcmdsID change from x to 0.<br>▪ Change legacy record.<br>▪ Update CIMClient From 01-00 to 01-01.<br>▪ Already update.<br>▪ Update DB Version.<br>▪ Create TNB_Classes.<br>▪ Create TNB_ClassAttribute.<br>▪ Drop TNB_SERVICEACCESSBYSAP.<br>▪ Drop TNB_SOFTWAREFEATURESERVICEIMPL.<br>▪ Drop CIMClasses.<br>▪ Succeed in update DataBase. |
| KAPM02902-E | A ClassNotFoundException occurred.<br>Output destinations: Destinations for output level 10. | A ClassNotFoundException occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02903-E | A HcmdsUpdateException occurred. Message = *aa...aa*, Reason = *bb...bb*<br>*aa...aa*: Message<br>*bb...bb*: Reason<br>Output destinations: Destinations for output level 10. | A HcmdsUpdateException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM02904-E | An option is invalid.<br>Output destinations: Destinations for output level 10. | An option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM02905-E | An exception occurred. Message = *aa...aa*<br>*aa...aa*: Message<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM02906-E | [Stack Trace]: *aa...aa*<br>*aa...aa*: Stack trace<br>Output destinations: Destinations for output level 10. | A stack trace is output.<br>Collect maintenance information and contact the Support Center. |
| KAPM02907-E | A SQLException occurred. Message = *aa...aa*<br>*aa...aa*: Message<br>Output destinations: Destinations for output level 10. | A SQLException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM02910-E | A SELECT statement failed. Table name = *aa...aa*<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | A SELECT statement failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02911-E | An ALTER statement failed. Table name = *aa...aa*<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | An ALTER statement failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02912-E | A DROP statement failed. Table name = *aa...aa*<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | A DROP statement failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02913-E | An UPDATE statement failed. Table name = *aa...aa*<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | An UPDATE statement failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM02914-E | An EXECUPDATE statement failed. Execution SQL statement = *aa...aa*<br>*aa...aa*: Execution SQL statement<br>Output destinations: Destinations for output level 10. | An EXECUPDATE statement failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02980-I | Update CIMClient from 01-00 to 01-01.<br>Output destinations: Destinations for output level 10. | Update CIMClient from 01-00 to 01-01. |
| KAPM02981-I | The database has already been updated.<br>Output destinations: Destinations for output level 0. | The database has already been updated. |
| KAPM02982-I | The database was successfully updated.<br>Output destinations: Destinations for output level 10. | The database was successfully updated. |
| KAPM02991-E | DB is not found.<br>Output destinations: Destinations for output level 10. | Database is not found.<br>Check the value of DATABASE.path in the configuration file.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/user.conf |
| KAPM02992-E | User name or password is invalid.<br>Output destinations: Destinations for output level 10. | User name or password is invalid.<br>Check the value of DATABASE.user and DATABASE.password in the configuration file.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/user.conf |
| KAPM02993-E | The host name is invalid.<br>Output destinations: Destinations for output level 10. | The host name is invalid.<br>Check the value of DATABASE.hostname in the configuration file.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/user.conf |
| KAPM02994-E | No suitable driver exists.<br>Output destinations: Destinations for output level 10. | No suitable driver exists.<br>Check the value of DATABASE.type in the configuration file.<br>Windows: *HiCommand-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/user.conf |
| KAPM02995-E | A connection to InterClient could not be established.<br>Output destinations: Destinations for output level 10. | A connection to InterClient could not be established.<br>Confirm that the InterClient service is running. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM02996-E | A connection to InterBase could not be established.<br>Output destinations: Destinations for output level 10. | A connection to InterBase could not be established.<br>Confirm that the InterBase service is running. |
| KAPM02999-E | Fatal error.<br>Output destinations: Destinations for output level 0. | Fatal error occurred.<br>Take action according to the proceeding message. |
| KAPM03001-E | Illegal parameters have been specified to create HSSO Context.<br>Output destinations: Destinations for output level 10. | Illegal parameters have been specified to create HSSO Context.<br>Specify the correct user ID and password. |
| KAPM03004-E | An error occurred on the HSSO Server.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred on the HSSO server.<br>Collect maintenance information and contact the Support Center. |
| KAPM03005-E | An error occurred when CIM Client was created.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred when CIM Client was created.<br>Collect maintenance information and contact the Support Center. |
| KAPM03006-E | An unexpected error occurred.<br>Output destinations: Destinations for output level 10. | An unexpected error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM03007-E | A frame-enabled browser is required.<br>Output destinations: In window only. | A frame-enabled browser is required.<br>Use Internet Explorer 5.5 later or Netscape 6 later. |
| KAPM03026-E | A CIMException was generated during Console screen display processing.<br>Output destinations: Destinations for output level 10. | A CIMException was generated during Console screen display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03050-E | The parameter sent from the JP1/IM-View is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The parameter sent from the JP1/IM-View is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM03051-E | The LaunchurI is invalid.<br>Output destinations: Destinations for output level 10. | The LaunchurI is invalid. |
| KAPM03052-E | The JP1user ID is invalid.<br>Output destinations: Destinations for output level 10. | The JP1user ID is invalid. |
| KAPM03053-E | The JP1token is invalid.<br>Output destinations: Destinations for output level 10. | The JP1token is invalid. |
| KAPM03054-E | An acquisition failure occurred in RequestDispatcher.<br>Output destinations: Destinations for output level 10. | An acquisition failure occurred in RequestDispatcher. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03055-E | A JavaScript-enabled browser is required.<br>Output destinations: Destinations for output level 10, and windows. | A JavaScript-enabled browser is required.<br>Use a browser that can use JavaScript. Alternatively, change the setting of the browser to use JavaScript if the use of script is disabled. |
| KAPM03080-E | HSSOIllegalArgumentException:Illegal parameters have been specified to create HSSO Context.<br>Output destinations: Destinations for output level 10. | HSSOIllegalArgumentException:Illegal parameters have been specified to create HSSO Context.<br>Collect maintenance information and contact the Support Center. |
| KAPM03081-E | HSSONotRegisteredException: The application is not registered.<br>Output destinations: Destinations for output level 10. | HSSONotRegisteredException: The application is not registered.<br>Collect maintenance information and contact the Support Center. |
| KAPM03082-E | HSSOAuthenticationException: Authentication failed.<br>Output destinations: Destinations for output level 10. | HSSOAuthenticationException: Authentication failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03083-E | HSSOServerException: An error occurred in HSSO Server.<br>Output destinations: Destinations for output level 10. | HSSOServerException: An error occurred in HSSO Server.<br>Collect maintenance information and contact the Support Center. |
| KAPM03084-E | IOException: HSSO SERVER Connection Error.<br>Output destinations: Destinations for output level 10. | IOException: HSSO SERVER Connection Error.<br>Collect maintenance information and contact the Support Center. |
| KAPM03085-E | HSSOIllegalArgumentException: "createToken()" was used before authentication.<br>Output destinations: Destinations for output level 10. | HSSOIllegalArgumentException: "createToken()" was used before authentication.<br>Collect maintenance information and contact the Support Center. |
| KAPM03086-E | HSSOIllegalStateException: An unsupported version is specified.<br>Output destinations: Destinations for output level 10. | HSSOIllegalStateException: An unsupported version is specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM03105-E | A CIMException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A CIMException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03106-E | A CIMException was generated during subwindow display processing.<br>Output destinations: Destinations for output level 10. | A CIMException was generated during subwindow display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03107-E | A CIMRepositoryException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A CIMRepositoryException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03108-E | A CIMRepositoryException was generated during subwindow display processing.<br>Output destinations: Destinations for output level 10. | A CIMRepositoryException was generated during subwindow display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03109-E | A CIMProviderException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A CIMProviderException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03110-E | A CIMProviderException was generated during subwindow display processing.<br>Output destinations: Destinations for output level 10. | A CIMProviderException was generated during subwindow display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03111-E | An exception was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | An exception was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03112-E | An exception was generated during subwindow display processing.<br>Output destinations: Destinations for output level 10. | An exception was generated during subwindow display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03113-E | A NoSuchElementException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A NoSuchElementException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03114-E | A NoSuchElementException was generated during subwindow display processing.<br>Output destinations: Destinations for output level 10. | A NoSuchElementException was generated during subwindow display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03119-I | Are you sure that you want to log out?<br>Output destinations: In window only. | Are you sure that you want to log out? |
| KAPM03120-I | Do you want to end the application?<br>Output destinations: In window only. | Do you want to end the application? |
| KAPM03122-E | The request parameter for a launch is invalid.<br>Output destinations: Destinations for output level 10. | The request parameter for a launch is invalid.<br>Retry execution. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM03123-E | Could not acquire the required parameter. ParmName=*aa...aa*<br>*aa...aa*: Parameter name<br>Output destinations: Destinations for output level 10. | The required parameter could not be acquired.<br>Retry execution. If the problem cannot be solved, collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03124-E | Failed to changing of token version. Token=*aa...aa*<br>*aa...aa*: Token<br>Output destinations: Destinations for output level 10. | An attempt to change the token version has failed.<br>Retry execution. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM03125-E | Failed to getting of service information. Description=*aa...aa*<br>*aa...aa*: Description<br>Output destinations: Destinations for output level 10. | The acquisition of the service information has failed.<br>Retry execution. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM03304-E | An attempt to get the path string failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to get the path string failed.<br>Log in again. |
| KAPM03354-W | A value is not set because an argument is invalid.<br>Output destinations: Destinations for output level 10. | A value is not set because an argument is invalid. |
| KAPM03355-W | A value is not acquired because an argument is invalid.<br>Output destinations: Destinations for output level 10. | A value is not acquired because an argument is invalid. |
| KAPM03356-W | A default is set because an argument is invalid. default = *aa...aa*<br>*aa...aa*: Default<br>Output destinations: Destinations for output level 10. | A default is set because an argument is invalid. |
| KAPM03357-E | A parameter of request is invalid. paramName = *aa...aa*, value = *bb...bb*<br>*aa...aa*: Parameter name<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | A parameter of request is invalid.<br>Log in again. |
| KAPM03358-E | The tree element is invalid. treeElement = *aa...aa*<br>*aa...aa*: Tree element<br>Output destinations: Destinations for output level 10. | The tree element is invalid.<br>Log in again. |
| KAPM03361-E | An attempt to get the root element data has failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the root element data has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03362-E | An attempt to get the common repository has failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the common repository has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03363-E | An attempt to get the common resource has failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the common resource has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03364-E | The registered data in the common repository is invalid.<br>Output destinations: Destinations for output level 10. | The registered data in the common repository is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM03366-E | An attempt to get the name of default view is invalid. application name = *aa...aa*<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10. | An attempt to get the name of default view is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM03368-W | An invalid association definition exists in the repository. instance = *aa...aa*<br>*aa...aa*: Instance<br>Output destinations: Destinations for output level 10. | An invalid association definition exists in the repository.<br>Collect maintenance information and contact the Support Center. |
| KAPM03370-W | A tree element relation (TNB_AssocNavigationDef) is invalid. name=*aa...aa*, associationClass=*bb...bb*, fromName=*cc...cc*, toClassName=*dd...dd*, fromRole=*ee...ee*, toRole=*ff...ff*<br>*aa...aa*: Related name<br>*bb...bb*: Related class name<br>*cc...cc*: Class name of a relation place<br>*dd...dd*: Class name of a related agency<br>*ee...ee*: Attribute of a relation place<br>*ff...ff*: Attribute of a related agency<br>Output destinations: Destinations for output level 10. | A tree element relation (TNB_AssocNavigationDef) is invalid. |
| KAPM03371-W | A tree element relation (TNB_AllInstanceNavigationDef) is invalid. name=*aa...aa*, fromName=*bb...bb*, toClassName=*cc...cc*<br>*aa...aa*: Related name<br>*bb...bb*: Class name of a relation place<br>*cc...cc*: Class name of a related<br>Output destinations: Destinations for output level 10. | A tree element relation (TNB_AllInstanceNavigationDef) is invalid. |
| KAPM03375-W | An attempt to get the tree element data has failed. element = *aa...aa*<br>*aa...aa*: Element<br>Output destinations: Destinations for output level 10. | An attempt to get the tree element data has failed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03377-W | A tree has not been created in the state where the specification object was opened. objectName = *aa...aa*<br>*aa...aa*: Object name<br>Output destinations: Destinations for output level 10. | A tree has not been created in the state where the specification object was opened. |
| KAPM03378-W | The specified object does not exist or is not shown in the tree. pathName = *aa...aa*, objectName = *bb...bb*<br>*aa...aa*: Path name<br>*bb...bb*: Object name<br>Output destinations: Destinations for output level 10. | The specified object does not exist or is not shown in the tree. |
| KAPM03379-E | An attempt to create a tree from a request has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create a tree from a request has failed.<br>Log in again. |
| KAPM03380-W | An active object was not found. By default, the root object will be set.<br>Output destinations: Destinations for output level 10. | An active object was not found. By default, the root object will be set. |
| KAPM03381-E | An internal error occurred. If you click the Refresh button, the initial object tree will be displayed. If you cannot display the tree, log in again and then retry.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>If you click the **Refresh** button, the initial object tree will be displayed. If you cannot display the tree, log in again and then retry. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM03382-E | An internal error occurred. If you click the Refresh button, the initial object tree will be displayed. If you cannot display the tree, collect maintenance information, and then contact customer support.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>If you click the **Refresh** button, the initial object tree will be displayed. If you cannot display the tree, log in again and then retry. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM03383-E | An internal error has occurred. Retry the operation. If the problem still cannot be solved, log in again and then retry.<br>Output destinations: Destinations for output level 10, and windows. | An internal error has occurred.<br>Retry the operation. If the problem still cannot be solved, log in again and then retry.<br>Do the following:<br>1. Retry the operation.<br>2. If the problem still cannot be solved, log in again and then retry.<br>3. If the problem still cannot be solved, collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03384-E | An internal error has occurred. Retry the operation. If the problem still cannot be solved, collect maintenance information, and then contact customer support.<br>Output destinations: Destinations for output level 10, and windows. | An internal error has occurred.<br>Retry the operation. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM03501-E | A CIM object name is not available for the selected object.<br>Output destinations: Destinations for output level 10, and windows. | A CIM object name is not available for the selected object.<br>Collect maintenance information and contact the Support Center. |
| KAPM03502-W | There is no default method.<br>Output destinations: Destinations for output level 10. | There is no default method. |
| KAPM03503-W | The repository data is invalid, so the localization object acquisition failed.<br>Output destinations: Destinations for output level 10. | The repository data is invalid, so the localization object acquisition failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03504-W | A resource is not found, so the localization object acquisition failed.<br>Output destinations: Destinations for output level 10. | A resource is not found, so the localization object acquisition failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03505-W | The selected object is already deleted.<br>Output destinations: Destinations for output level 10, and windows. | The selected object is already deleted.<br>Click the **Refresh** in NavigationFrame. |
| KAPM03702-E | A HSSOIllegalStateException occurred during launch.<br>Output destinations: Destinations for output level 10. | A HSSOIllegalStateException occurred during launch.<br>Collect maintenance information and contact the Support Center. |
| KAPM03703-E | An attempt to get to the URL encoding of a token failed.<br>token = *aa...aa*<br>*aa...aa*: Token<br>Output destinations: Destinations for output level 10. | An attempt to get to the URL encoding of a token failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03708-E | A HSSOAuthenticationException was generated during user profile display processing.<br>Output destinations: Destinations for output level 10. | A HSSOAuthenticationException was generated during user profile display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03709-E | A HSSOIllegalArgumentException was generated during user profile display processing.<br>Output destinations: Destinations for output level 10. | A HSSOIllegalArgumentException was generated during user profile display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03710-E | A HSSOServerException was generated during user profile display processing.<br>Output destinations: Destinations for output level 10. | A HSSOServerException was generated during user profile display processing.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03712-E | An attempt to get membership groups failed.<br>Output destinations: Destinations for output level 10. | An attempt to get membership groups failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03716-E | The format of the URL *bb...bb* for the object *aa...aa* is invalid.<br>*aa...aa*: Object name<br>*bb...bb*: URL<br>Output destinations: Destinations for output level 10. | The format of the URL *bb...bb* for the object *aa...aa* is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM03717-W | The resource *bb...bb* for object *aa...aa* cannot be accessed.<br>*aa...aa*: Object name<br>*bb...bb*: Resource name<br>Output destinations: Destinations for output level 10. | The resource *bb...bb* for object *aa...aa* cannot be accessed. |
| KAPM03718-E | The data format of the resource *bb...bb* for the object *aa...aa* is invalid.<br>*aa...aa*: Object name<br>*bb...bb*: Resource name<br>Output destinations: Destinations for output level 10. | The data format of the resource *bb...bb* for the object *aa...aa* is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM03721-E | The attribute *bb...bb* for object *aa...aa* is missing.<br>*aa...aa*: Object name<br>*bb...bb*: Value of attribute<br>Output destinations: Destinations for output level 10. | The attribute *bb...bb* for object *aa...aa* is missing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03722-E | The resource information of *bb...bb* for object *aa...aa* is missing.<br>*aa...aa*: Object name<br>*bb...bb*: Related name<br>Output destinations: Destinations for output level 10. | The resource information of *bb...bb* for object *aa...aa* is missing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03723-E | Property *cc...cc* of *bb...bb* for object *aa...aa* is missing.<br>*aa...aa*: Object name<br>*bb...bb*: Related name<br>*cc...cc*: Value of attribute<br>Output destinations: Destinations for output level 10. | Property *cc...cc* of *bb...bb* for object *aa...aa* is missing.<br>Collect maintenance information and contact the Support Center. |
| KAPM03931-W | Your session is invalid. Logout, and then login again.<br>Output destinations: Destinations for output level 10, and windows. | Your session is invalid. Logout, and then login again. |
| KAPM03951-E | An internal server error has occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal server error has occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03952-E | An attempt to get the Session has failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the Session has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03954-E | An attempt to get the HSSOSubject has failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the HSSOSubject has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03956-E | The login process has not completed properly.<br>Output destinations: Destinations for output level 10, and windows. | The login process has not completed properly.<br>Specify the correct user ID and password. |
| KAPM03957-E | An error occurred when the Common Repository was accessed.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred when the Common Repository was accessed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03958-E | The request type is not correct.<br>Output destinations: Destinations for output level 10, and windows. | The request type is not correct.<br>Collect maintenance information and contact the Support Center. |
| KAPM03960-E | An attempt to get the string from the ResourceBundle failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the string from the ResourceBundle failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03961-E | An attempt to get the RequestDispatcher for "*aa...aa*" failed.<br>*aa...aa*: Unexpected operation<br>Output destinations: Destinations for output level 10, and windows. | An attempt to get the RequestDispatcher for "*aa...aa*" failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03962-E | An attempt to get the application name has failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the application name has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM03963-E | Authentication has failed.<br>Output destinations: Destinations for output level 10, and windows. | Authentication has failed.<br>Log in again. If the problem cannot be solved, collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03964-E | An error occurred on the Single Sign On server.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred on the Single Sign On server.<br>Do the following:<br>1. When using HiCommand V3.x series, make sure that the InterBase service is running. When using the HiCommand V4.x series or later, make sure that HiRDB is running.<br>2. If you are using HiCommand Device Manager, make sure its services are running.<br>3. Make sure that the settings and statuses of the Single Sign On server service are appropriate.<br>4. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM03965-E | An error occurred on the Single Sign On server.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred on the Single Sign On server.<br>Do the following:<br>1. When using HiCommand V3.x series, make sure that the InterBase service is running. If it is not running, start InterBase and log in again. If it is running, restart the Single Sign On Server, and log in again.<br>When using the HiCommand V4.x series or later, make sure that HiRDB is running. If it is not running, start HiRDB and log in again. If it is running, restart the Single Sign On Server, and log in again.<br>2. If you are using HiCommand Device Manager, make sure its services are running.<br>3. Make sure that the settings and statuses of the Single Sign On Server are appropriate.<br>4. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM03966-E | Communications of the Single Sign On server have failed.<br>Output destinations: Destinations for output level 10, and windows. | Communications of the Single Sign On server have failed.<br>An error occurred on the web server or proxy server. Do the following:<br>1. Make sure that the services of the Single Sign On server are running.<br>2. Make sure that the settings and statuses of the Single Sign On server service are appropriate. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM03967-E | Communications of the Single Sign On server have failed.<br>Output destinations: Destinations for output level 10, and windows. | Communications of the Single Sign On server have failed.<br>An error occurred on the web server or proxy server. Do the following:<br>1. Make sure that Hitachi Storage Command Suite Common Web Service is running.<br>2. Make sure that the settings and statuses of the Single Sign On server service are appropriate. |
| KAPM03968-E | The token is invalid. token=*aa...aa*.<br>*aa...aa*: Token<br>Output destinations: Destinations for output level 10. | The token is invalid.<br>Log in again. |
| KAPM03969-E | The request is invalid.token=*aa...aa*. The name of application=*bb...bb*.<br>*aa...aa*: Token<br>*bb...bb*: Name of application<br>Output destinations: Destinations for output level 10. | The request is invalid.<br>Log in again. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM03970-E | The request is invalid.token=*aa...aa*. The name of application=*bb...bb*.<br>*aa...aa*: Token<br>*bb...bb*: Name of application<br>Output destinations: Destinations for output level 10. | The request is invalid.<br>Log in again. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM03971-E | The application is not registered. The name of application=*aa...aa*.<br>*aa...aa*: Name of application<br>Output destinations: Destinations for output level 10. | The application is not registered.<br>Log in again. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM04001-I | usage start.<br>Output destinations: Destinations for output level 10. | This message is displayed when the usage output method of the command starts. |
| KAPM04002-I | usage is finished.<br>Output destinations: Destinations for output level 10. | This message is displayed when the usage output method of the command ends. |
| KAPM04003-I | hcmdssup start.<br>Output destinations: Destinations for output level 10. | The hcmdssup command has started. |
| KAPM04004-I | hcmdssup is finished.<br>Output destinations: Destinations for output level 10. | The hcmdssup command has stopped. |
| KAPM04006-W | Log initialization has failed.<br>Output destinations: Destinations for output level 0. | The process outputting the hcmdssup log has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04007-E | File is not found. file-name=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | The file could not be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM04008-E | The error has occurred in file access. file-name=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | An error occurred while the hsso.conf file was being accessed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04009-E | *aa...aa*<br>*aa...aa*: NumberFormat exception message<br>Output destinations: Destinations for output level 10. | A NumberFormatException occurred during the processing of hcmdssup.<br>Collect maintenance information and contact the Support Center. |
| KAPM04010-E | *aa...aa*<br>*aa...aa*: IllegalArgument exception message<br>Output destinations: Destinations for output level 10. | An IllegalArgumentException occurred during the processing of hcmdssup.<br>Collect maintenance information and contact the Support Center. |
| KAPM04011-E | *aa...aa*<br>*aa...aa*: NullPointerException message<br>Output destinations: Destinations for output level 10. | A NullPointerException occurred during the creation of an object, such as a file object.<br>Collect maintenance information and contact the Support Center. |
| KAPM04012-E | *aa...aa*<br>*aa...aa*: IndexOutOfBounds exception message<br>Output destinations: Destinations for output level 10. | An IndexOutOfBoundsException occurred during the processing of hcmdssup.<br>Collect maintenance information and contact the Support Center. |
| KAPM04013-E | *aa...aa*<br>*aa...aa*: SecurityException message<br>Output destinations: Destinations for output level 10. | A SecurityException occurred while a system property was being accessed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04014-E | *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 10. | An unexpected exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04022-E | Hostname is too long.<br>Output destinations: Destinations for output level 10. | The host name is too long.<br>Specify a host name less than 64 bytes. |
| KAPM04023-E | Portnumber is invalid.<br>Output destinations: Destinations for output level 10. | The port number is invalid.<br>Specify a port number from 1 to 65535. |
| KAPM04024-E | Portnumber is invalid.<br>Output destinations: Destinations for output level 10. | The port number is invalid.<br>The specified value is outside the integer range. Check the port number. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04025-I | hcmdssup has succeeded.<br>Output destinations: Destinations for output level 0. | The hcmdssup was executed successfully. |
| KAPM04026-E | hcmdssup has failed.<br>Output destinations: Destinations for output level 0. | hcmdssup has failed.<br>Take action according to the proceeding message. |
| KAPM04027-E | The SSL port number is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The SSL port number is invalid.<br>Specify a port number with a value from 1 to 65535. |
| KAPM04028-E | The SSL port number is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The SSL port number is invalid.<br>The type of the port number is not an integer. Check the specified value. |
| KAPM04034-E | An attempt to read the file hsso.conf has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to read the file hsso.conf has failed.<br>Make sure that the hsso.conf file exists, that you have access permissions for this file, and that the file is not in use. |
| KAPM04035-E | An attempt to write to the file hsso.conf has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to write to the file hsso.conf has failed.<br>Make sure that the hsso.conf file exists, that you have access permissions for this file, and that the file is not in use. |
| KAPM04036-E | The specified command line input is invalid. (input data = aa...aa)<br>aa...aa: input data<br>Output destinations: Destinations for output level 10. | The specified command line input is invalid.<br>Specify a valid option, and then re-execute the command. |
| KAPM04038-E | The specified host name is invalid.<br>Output destinations: Destinations for output level 10. | The specified host name is invalid.<br>Specify a valid option, and then re-execute the command. |
| KAPM04040-E | The specified port number is invalid.<br>Output destinations: Destinations for output level 10. | The specified port number is invalid.<br>Specify a valid option, and then re-execute the command. |
| KAPM04042-E | The specified SSL port number is invalid.<br>Output destinations: Destinations for output level 10. | The specified SSL port number is invalid.<br>Specify a valid option, and then re-execute the command. |
| KAPM04050-I | The command hcmdsprmset ended successfully.<br>Output destinations: Destinations for output level 10, and windows. | The command ended successfully. |
| KAPM04051-E | The command hcmdsprmset has failed.<br>Output destinations: Destinations for output level 10, and windows. | The command failed.<br>Specify a valid option, and then re-execute the command. |
| KAPM04052-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The specified command line input was invalid.<br>Make sure the command format is correct. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04059-E | The specified host name is too long.<br>Output destinations: Destinations for output level 10. | The specified host name is too long.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM04061-E | The value specified for an option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The value specified for an option is invalid.<br>Revise the values specified for the options. |
| KAPM04101-E | Container server name is invalid. Server= *aa...aa*<br>*aa...aa*: Container server name<br>Output destinations: Destinations for output level 10. | Container server name is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04102-E | Archive file is not found. file=*aa...aa*<br>*aa...aa*: Archive file name<br>Output destinations: Destinations for output level 10. | Archive file is not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM04103-E | Program type is invalid. type=*aa...aa*<br>*aa...aa*: Program type<br>Output destinations: Destinations for output level 10. | Program type is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04104-I | Starting web application registration...<br>Output destinations: Destinations for output level 10. | Web Application registration is now starting. |
| KAPM04105-E | Privilege is invalid.<br>Output destinations: Destinations for output level 0. | The user does not have sufficient permissions to execute the command.<br>Execute the command as a user with Administrator permission. |
| KAPM04106-E | Cannot get tmpjavavm.properties file name.<br>Output destinations: Destinations for output level 10. | Cannot get tmpjavavm.properties file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04107-E | Failed to get service registration status. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | Failed to get service registration status.<br>Collect maintenance information and contact the Support Center. |
| KAPM04108-E | Cannot get javavm.properties file name.<br>Output destinations: Destinations for output level 10. | Cannot get javavm.properties file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04109-E | Cannot set JavaVM option.<br>Output destinations: Destinations for output level 10. | Cannot set JavaVM option.<br>Collect maintenance information and contact the Support Center. |
| KAPM04110-E | Cannot set Java options.<br>Output destinations: Destinations for output level 10. | Cannot set Java options.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04111-E | An attempt to check whether a program type exists in the hcmdswebpp.ini file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to check whether a program type exists in the hcmdswebpp.ini file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04112-E | Cannot write hcmdswebpp.ini file.<br>Output destinations: Destinations for output level 10. | Cannot write hcmdswebpp.ini file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04113-E | Service registration has failed. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | Service registration has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04114-E | Failed to get service registration status. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | Failed to get service registration status.<br>Collect maintenance information and contact the Support Center. |
| KAPM04115-E | Service registration has failed. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | Service registration has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04116-I | hcmdsweb registration has succeeded.<br>Output destinations: Destinations for output level 0. | hcmdsweb registration was successful. |
| KAPM04117-I | Starting web application deletion...<br>Output destinations: Destinations for output level 10. | Web application deletion is now starting. |
| KAPM04118-E | Program type is not registered. type=*aa...aa*<br>*aa...aa*: Program type<br>Output destinations: Destinations for output level 10. | Program type is not registered.<br>Collect maintenance information and contact the Support Center. |
| KAPM04119-E | Cannot delete service and folder.<br>Output destinations: Destinations for output level 10. | Cannot delete service and folder.<br>Collect maintenance information and contact the Support Center. |
| KAPM04120-E | Cannot delete hcmdswebpp.ini file.<br>Output destinations: Destinations for output level 10. | Cannot delete hcmdswebpp.ini file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04121-I | hcmdsweb deletion has succeeded.<br>Output destinations: Destinations for output level 0. | hcmdsweb deletion was successful. |
| KAPM04122-E | Cannot get only a war file name.<br>Output destinations: Destinations for output level 10. | Cannot get only a war file name.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04123-E | Cannot get hcmdswebpp.ini file name.<br>Output destinations: Destinations for output level 10. | Cannot get hcmdswebpp.ini file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04124-E | Cannot get tmphcmdswebpp.ini file name.<br>Output destinations: Destinations for output level 10. | Cannot get tmphcmdswebpp.ini file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04125-E | Log initialization has failed.<br>Output destinations: In window only. | Log initialization has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04126-E | Cannot insert new line character.<br>Output destinations: Destinations for output level 10. | Cannot insert new line character.<br>Collect maintenance information and contact the Support Center. |
| KAPM04127-E | An attempt to exchange hcmdswebpp.ini with tmphcmdswebpp.ini has failed.<br>Output destinations: Destinations for output level 10. | An attempt to exchange hcmdswebpp.ini with tmphcmdswebpp.ini has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04128-E | hcmdsweb registration has failed.<br>Output destinations: Destinations for output level 0. | hcmdsweb registration has failed.<br>Take action according to the last message. |
| KAPM04129-E | hcmdsweb deletion has failed.<br>Output destinations: Destinations for output level 0. | hcmdsweb deletion has failed.<br>Take action according to the last message. |
| KAPM04130-E | Cannot read hcmdswebpp.ini file.<br>Output destinations: Destinations for output level 10. | Cannot read hcmdswebpp.ini file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04131-E | OpenSCManager command error.<br>Output destinations: Destinations for output level 10. | OpenSCManager command error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04132-E | Access is denied.<br>Output destinations: Destinations for output level 10. | Access is denied.<br>Collect maintenance information and contact the Support Center. |
| KAPM04133-E | The parameter is incorrect.<br>Output destinations: Destinations for output level 10. | The parameter is incorrect.<br>Collect maintenance information and contact the Support Center. |
| KAPM04134-E | The database specified does not exist.<br>Output destinations: Destinations for output level 10. | The database specified does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM04135-E | An unexpected error occurred. Error code = *aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | An unexpected error occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04136-E | RegOpenKeyEx command error.ErrorCode(*aa...aa*)<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | RegOpenKeyEx command error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04137-E | A duplicate name exists on the network.<br>Output destinations: Destinations for output level 10. | A duplicate name exists on the network.<br>Collect maintenance information and contact the Support Center. |
| KAPM04138-E | The filename, directory name, or volume label syntax is incorrect.<br>Output destinations: Destinations for output level 10. | The filename, directory name, or volume label syntax is incorrect.<br>Collect maintenance information and contact the Support Center. |
| KAPM04139-E | The account name is invalid or does not exist.<br>Output destinations: Destinations for output level 10. | The account name is invalid or does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM04140-E | Circular service dependency was specified.<br>Output destinations: Destinations for output level 10. | Circular service dependency was specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM04141-E | Service already exists. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | Service already exists.<br>Collect maintenance information and contact the Support Center. |
| KAPM04142-E | The handle is invalid.<br>Output destinations: Destinations for output level 10. | The handle is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04143-E | The specified service has been marked for deletion.<br>Output destinations: Destinations for output level 10. | The specified service has been marked for deletion.<br>Collect maintenance information and contact the Support Center. |
| KAPM04144-E | CreateService command error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | CreateService command error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04145-E | DeleteService command error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | DeleteService command error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04146-E | OpenService command error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | OpenService command error.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04147-E | The specified service does not exist as an installed service.<br>Output destinations: Destinations for output level 10. | The specified service does not exist as an installed service.<br>Collect maintenance information and contact the Support Center. |
| KAPM04148-E | RegQueryValueEx command error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | RegQueryValueEx command error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04149-E | The error has occurred in *aa...aa* command. code=*bb...bb*<br>*aa...aa*: Command<br>*bb...bb*: Error code<br>Output destinations: Destinations for output level 10. | The error has occurred in *aa...aa* command.<br>Collect maintenance information and contact the Support Center. |
| KAPM04150-E | The directory cannot be removed. directory=*aa...aa*<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10. | The directory cannot be removed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04151-E | The directory is not empty. directory=*aa...aa*<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10. | The directory is not empty.<br>Collect maintenance information and contact the Support Center. |
| KAPM04152-E | The directory name is invalid. directory=*aa...aa*<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10. | The directory name is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04153-E | QueryServiceStatus command error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | QueryServiceStatus command error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04154-E | Failed to get installation directory.<br>Output destinations: Destinations for output level 10. | Failed to get installation directory.<br>Collect maintenance information and contact the Support Center. |
| KAPM04155-E | Failed to get Service name. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | Failed to get Service name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04156-E | Service is running. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10, and windows. | Service is running.<br>Stop the service, and then execute the command again. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04157-E | Failed to get service status. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | Failed to get service status.<br>Collect maintenance information and contact the Support Center. |
| KAPM04158-E | File is not found. file=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | File is not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM04159-E | Failed to delete specified file. file=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | Failed to delete specified file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04160-E | Failed to rename *aa...aa* to *bb...bb*.<br>*aa...aa*: Original file name<br>*bb...bb*: New file name<br>Output destinations: Destinations for output level 10. | Failed to rename *aa...aa* to *bb...bb*.<br>Collect maintenance information and contact the Support Center. |
| KAPM04161-E | Privilege is invalid to access *aa...aa* file.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | Permission to access the file is insufficient.<br>Collect maintenance information and contact the Support Center. |
| KAPM04162-E | Failed to copy from *aa...aa* to *bb...bb*.<br>*aa...aa*: Name of the source file<br>*bb...bb*: Name of the destination file<br>Output destinations: Destinations for output level 10. | Failed to copy from *aa...aa* to *bb...bb*.<br>Collect maintenance information and contact the Support Center. |
| KAPM04163-E | Failed to delete service. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | Failed to delete service.<br>Collect maintenance information and contact the Support Center. |
| KAPM04164-W | Failed to delete the war file. file=*aa...aa*<br>*aa...aa*: War file name<br>Output destinations: Destinations for output level 10. | Failed to delete the war file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04165-W | Failed to delete the folder. folder=*aa...aa*<br>*aa...aa*: Folder name<br>Output destinations: Destinations for output level 10. | Failed to delete the folder.<br>Collect maintenance information and contact the Support Center. |
| KAPM04166-E | Failed to delete service. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | Failed to delete service.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04167-E | Failed to get service folder. service-folder=*aa...aa*<br>*aa...aa*: Service folder name<br>Output destinations: Destinations for output level 10. | Failed to get service folder.<br>Collect maintenance information and contact the Support Center. |
| KAPM04168-W | Failed to delete service folder. service-folder=*aa...aa*<br>*aa...aa*: Service folder name<br>Output destinations: Destinations for output level 10. | Failed to delete service folder.<br>Collect maintenance information and contact the Support Center. |
| KAPM04169-E | File is not found. file=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | File is not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM04172-E | Failed to write usrconf.properties to installation information.<br>Output destinations: Destinations for output level 10. | Failed to write usrconf.properties to installation information.<br>Collect maintenance information and contact the Support Center. |
| KAPM04173-E | Failed to read usrconf.properties file.<br>Output destinations: Destinations for output level 10. | Failed to read usrconf.properties file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04174-E | Failed to exchange usrconf.properties to tmpusrconf.properties.<br>Output destinations: Destinations for output level 10. | Failed to exchange usrconf.properties to tmpusrconf.properties.<br>Collect maintenance information and contact the Support Center. |
| KAPM04175-E | Failed to create directory. directory=*aa...aa*<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10. | Failed to create directory.<br>Collect maintenance information and contact the Support Center. |
| KAPM04176-E | Failed to get the war file name. file=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | Failed to get the war file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04177-E | Failed to read javavm.properties file.<br>Output destinations: Destinations for output level 10. | Failed to read javavm.properties file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04178-E | An attempt to exchange javavm.properties with tmpjavavm.properties has failed.<br>Output destinations: Destinations for output level 10. | An attempt to exchange javavm.properties with tmpjavavm.properties has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04197-I | Service registration has succeeded. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | The service was successfully registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04198-I | Service registration has succeeded. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | The service was successfully registered. |
| KAPM04202-I | Service deletion has succeeded. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | The service was successfully deleted. |
| KAPM04205-E | Memory alloc error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 0. | Memory alloc error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04206-E | The system cannot find the file specified.<br>Output destinations: Destinations for output level 10. | The system cannot find the file specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM04207-E | The system cannot find the path specified.<br>Output destinations: Destinations for output level 10. | The system cannot find the path specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM04208-E | The system cannot open the file.<br>Output destinations: Destinations for output level 10. | The system cannot open the file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04209-E | The process cannot access the file because it is being used by another process.<br>Output destinations: Destinations for output level 10. | The process cannot access the file because it is being used by another process.<br>Collect maintenance information and contact the Support Center. |
| KAPM04211-E | Failed to get tmpusrconf.properties file name.<br>Output destinations: Destinations for output level 10. | Failed to get tmpusrconf.properties file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04212-E | Failed to get usrconf.properties file name.<br>Output destinations: Destinations for output level 10. | Failed to get usrconf.properties file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04213-E | ExtractionWarFolderPath function error.<br>Output destinations: Destinations for output level 10. | ExtractionWarFolderPath function error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04214-E | Failed to get web-users.xml file name.<br>Output destinations: Destinations for output level 10. | Failed to get web-users.xml file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04215-E | Failed to get template usrconf.properties file name.<br>Output destinations: Destinations for output level 10. | Failed to get template usrconf.properties file name.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04216-E | Failed to get template web-users.xml file name.<br>Output destinations: Destinations for output level 10. | Failed to get template web-users.xml file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04217-E | Failed to get template javavm.properties file name.<br>Output destinations: Destinations for output level 10. | Failed to get template javavm.properties file name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04218-E | Failed to get Display name.<br>Output destinations: Destinations for output level 10. | Failed to get Display name.<br>Collect maintenance information and contact the Support Center. |
| KAPM04219-E | Failed to load hntr2t.dll. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | Failed to load hntr2t.dll.<br>Collect maintenance information and contact the Support Center. |
| KAPM04220-E | The file option is invalid.<br>Output destinations: Destinations for output level 10. | The file option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04221-E | The type option is invalid.<br>Output destinations: Destinations for output level 10. | The type option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04222-E | The server option is invalid.<br>Output destinations: Destinations for output level 10. | The server option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04223-E | The classpath option is invalid.<br>Output destinations: Destinations for output level 10. | The classpath option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04224-E | The librarypath option is invalid.<br>Output destinations: Destinations for output level 10. | The librarypath option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04225-E | The javaoption option is invalid.<br>Output destinations: Destinations for output level 10. | The javaoption option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04226-E | The Xms option is invalid.<br>Output destinations: Destinations for output level 10. | The Xms option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04227-E | The Xmx option is invalid.<br>Output destinations: Destinations for output level 10. | The Xmx option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04228-E | RegCreateKeyEx command error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | RegCreateKeyEx command error.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04229-E | RegSetValueEx command error. code=*aa...aa*<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | RegSetValueEx command error.<br>Collect maintenance information and contact the Support Center. |
| KAPM04230-I | Service deletion has succeeded. service=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | Service deletion has succeeded. |
| KAPM04231-E | Failed to read usrconf.properties file.<br>Output destinations: Destinations for output level 10. | Failed to read usrconf.properties file.<br>Collect maintenance information and contact the Support Center. |
| KAPM04232-E | An attempt to register the program type in the registry failed.<br>program type = *aa...aa*<br>*aa...aa*: Program type<br>Output destinations: Destinations for output level 10. | An attempt to register the program type in the registry failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04233-E | An attempt to delete the program type in the registry failed.<br>program type = *aa...aa*<br>*aa...aa*: Program type<br>Output destinations: Destinations for output level 10. | An attempt to delete the program type in the registry failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04234-E | Failed to remake service.<br>Output destinations: Destinations for output level 10. | Failed to remake service.<br>Collect maintenance information and contact the Support Center. |
| KAPM04235-E | The minimum heap size has exceeded the maximum heap size.<br>Output destinations: Destinations for output level 10. | The minimum heap size has exceeded the maximum heap size.<br>Collect maintenance information and contact the Support Center. |
| KAPM04236-E | The minimum heap size has exceeded the already set up maximum heap size.<br>Output destinations: Destinations for output level 10. | The minimum heap size has exceeded the already set up maximum heap size.<br>Collect maintenance information and contact the Support Center. |
| KAPM04237-E | The service name exceeds 256 characters.<br>Output destinations: Destinations for output level 0. | The service name exceeds 256 characters.<br>Collect maintenance information and contact the Support Center. |
| KAPM04238-E | The service registration is not possible because the service name exceeds 256 characters.<br>Output destinations: Destinations for output level 10. | The service registration is not possible because the service name exceeds 256 characters.<br>Collect maintenance information and contact the Support Center. |
| KAPM04239-E | An attempt to get the service control manager execution file path failed.<br>Output destinations: Destinations for output level 10. | An attempt to get the service control manager execution file path failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04240-E | An error occurred when the environment settings folder was created.<br>Output destinations: Destinations for output level 10. | An error occurred when the environment settings folder was created.<br>Collect maintenance information and contact the Support Center. |
| KAPM04241-E | An error occurred when the environment settings file was set.<br>Output destinations: Destinations for output level 10. | An error occurred when the environment settings file was set.<br>Collect maintenance information and contact the Support Center. |
| KAPM04242-E | An error occurred when the web application archive file was expanded.<br>Output destinations: Destinations for output level 10. | An error occurred when the web application archive file was expanded.<br>Collect maintenance information and contact the Support Center. |
| KAPM04243-E | An error occurred when a directory expanded with the web application archive file was deleted.<br>Output destinations: Destinations for output level 10. | An error occurred when a directory expanded with the web application archive file was deleted.<br>Collect maintenance information and contact the Support Center. |
| KAPM04244-E | An error occurred when registering and updating the web server.<br>Output destinations: Destinations for output level 10. | An error occurred when registering and updating the web server.<br>If you are using Windows, close the Services window (in the Control Panel), and then re-install. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM04245-E | An error occurred when registering and updating Tomcat.<br>Output destinations: Destinations for output level 10. | An error occurred when registering and updating Tomcat.<br>If you are using Windows, close the Services window (in the Control Panel), and then re-install. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM04246-E | An error occurred when the usrconf.properties file was merged.<br>Output destinations: Destinations for output level 10. | An error occurred when the usrconf.properties file was merged.<br>Collect maintenance information and contact the Support Center. |
| KAPM04247-E | An attempt to acquire the number of file lines has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the number of file lines has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04248-E | An attempt to create Map information has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create Map information has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04249-E | An attempt to read data from a file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to read data from a file has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04250-E | An attempt to set the javaVM debug option has failed.<br>Output destinations: Destinations for output level 10. | An attempt to set the JavaVM debug option has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04251-E | The jvmoption option is invalid.<br>Output destinations: Destinations for output level 10. | The jvmoption option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04252-E | An error occurred in an internal function. (call function = *aa...aa*, use function = *bb...bb*, note = *cc...cc*, error code = *dd...dd*)<br>*aa...aa*: Call function<br>*bb...bb*: Use function<br>*cc...cc*: Note<br>*dd...dd*: Error code<br>Output destinations: Destinations for output level 10. | An error occurred in an internal function.<br>Collect maintenance information and contact the Support Center. |
| KAPM04253-E | A memory allocation error occurred. (call function = *aa...aa*, use function = *bb...bb*, note = *cc...cc*, error code = *dd...dd*)<br>*aa...aa*: Call function<br>*bb...bb*: Use function<br>*cc...cc*: Note<br>*dd...dd*: Error code<br>Output destinations: Destinations for output level 10. | A memory allocation error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04254-E | An attempt to acquire the daemon shell name has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the daemon shell name has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04255-E | An attempt to write service registration information to the version file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to write service registration information to the version file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04256-E | An attempt to delete service registration information from the version file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to delete service registration information from the version file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04257-E | An attempt to start the hcmdssrv command has failed.<br>Output destinations: Destinations for output level 10. | An attempt to start the hcmdssrv command has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04258-E | An error occurred during execution of the hcmdssrv command.<br>Output destinations: Destinations for output level 10. | An error occurred during execution of the hcmdssrv command.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04259-E | An attempt to create the boot shell has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create the boot shell has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04260-E | The startup mode of the service is invalid. (start mode = *aa...aa*)<br>*aa...aa*: Start mode<br>Output destinations: Destinations for output level 10. | The startup mode of the service is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04261-E | The `starttype` option is invalid.<br>Output destinations: Destinations for output level 10. | The `starttype` option is invalid.<br>Confirm the specification of the `starttype` option. |
| KAPM04262-E | An attempt to create the usrconf.cfg file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create the usrconf.cfg file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04263-E | An attempt to deploy the compiled JSP file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to deploy the compiled JSP file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04264-E | A path was not found for the Web application folder. (folder path = *aa...aa*)<br>*aa...aa*: Folder path<br>Output destinations: Destinations for output level 10, and windows. | A path was not found for the Web application folder.<br>Collect maintenance information and contact the Support Center. |
| KAPM04265-E | A path was not found for the compiled JSP storage folder. (folder path = *aa...aa*)<br>*aa...aa*: Folder path<br>Output destinations: Destinations for output level 10, and windows. | A path was not found for the compiled JSP storage folder.<br>Collect maintenance information and contact the Support Center. |
| KAPM04266-E | The contents of the directory are invalid. (Directory path = *aa...aa*)<br>*aa...aa*: Directory path<br>Output destinations: Destinations for output level 10, and windows. | The contents of the directory are invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04267-W | An attempt to delete the hwc directory has failed. (Directory path = *aa...aa*)<br>*aa...aa*: Directory path<br>Output destinations: Destinations for output level 10, and windows. | An attempt to delete the hwc directory has failed. |
| KAPM04271-E | An attempt to update the web application version has failed.<br>Output destinations: Destinations for output level 10. | An attempt to update the Web application version has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04272-E | Failed to delete specified directory. Directory=*aa...aa*<br>*aa...aa*: Directory<br>Output destinations: Destinations for output level 10. | Failed to delete specified directory.<br>See the message KAPMxxxxx-W. |
| KAPM04273-W | An attempt to execute the *aa...aa* function has failed. (error code = *bb...bb*, description = *cc...cc*)<br>*aa...aa*: Function name<br>*bb...bb*: Error code<br>*cc...cc*: Error description<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to add a service description has failed.<br>The service explanation was not added. It will be added the next time the hcmdsweb command is executed. |
| KAPM04274-E | An attempt to load the DLL has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to load the DLL has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04275-E | An attempt to acquire the function address in the DLL has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to acquire the function address in the DLL has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04276-E | The file does not exist. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | This message is displayed if the file does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM04279-E | An attempt to add a service description has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to add a service description has failed.<br>Take the appropriate action based on the preceding message. |
| KAPM04280-E | A memory allocation error occurred.<br>Output destinations: Destinations for output level 10. | This message is displayed if a memory allocation error has occurred.<br>Please see the message that follows. |
| KAPM04281-E | The specified service is not registered.<br>Output destinations: Destinations for output level 10. | This message is displayed if the specified service is not registered.<br>Please see the message that follows. |
| KAPM04282-E | An attempt to acquire the installation directory has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to acquire the path of the Hitachi Storage Command Suite Common Component installation folder has failed.<br>Please see the message that follows. |
| KAPM04283-E | The name of the specified service is invalid.<br>Output destinations: Destinations for output level 10. | This message is displayed if the specified service name is invalid.<br>Please see the message that follows. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04284-E | An attempt to access the service explanation definition file has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to access the service explanation definition file has failed.<br>Please see the message that follows. |
| KAPM04285-E | The service explanation definition file is invalid.<br>Output destinations: Destinations for output level 10. | This message is displayed if the service explanation definition file is invalid.<br>Please see the message that follows. |
| KAPM04286-E | An attempt to change a service configuration parameter has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to change a service configuration parameter has failed.<br>Please see the message that follows. |
| KAPM04287-E | An attempt to connect the service control manager has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to connect the service control manager has failed.<br>Please see the message that follows. |
| KAPM04288-E | An attempt to open the service handle has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to open the service handle has failed.<br>Please see the message that follows. |
| KAPM04289-E | An attempt to access the service explanation definition file has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed if an attempt to access the service explanation definition file has failed.<br>Please see the message that follows. |
| KAPM04290-E | The service name was not specified.<br>Output destinations: Destinations for output level 10. | This message is displayed if the service name is not specified.<br>Please see the message that follows. |
| KAPM04291-I | Registration of the *aa...aa* Web application will now start.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | Web application registration is now starting. |
| KAPM04292-I | Deletion of the *aa...aa* Web application will now start.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | Web application deletion is now starting. |
| KAPM04293-E | An attempt to delete the JSP servlet class file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to delete the JSP servlet class file has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM04294-I | The JSP servlet class file was deleted successfully.<br>Output destinations: Destinations for output level 10. | The JSP servlet class file was deleted successfully. |
| KAPM04295-I | Deletion of the JSP servlet class file will now start.<br>Output destinations: Destinations for output level 10. | Deletion of the JSP servlet class file will now start. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04296-I | Deletion of the JSP servlet class file will now end.<br>Output destinations: Destinations for output level 10. | Deletion of the JSP servlet class file will now end. |
| KAPM04300-I | Uninstallation of *aa...aa* has started.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | Uninstallation of *aa...aa* has started. |
| KAPM04301-I | [All processing has finished.]<br>Output destinations: Destinations for output level 10. | All processing has finished. |
| KAPM04302-I | Uninstallation was successful.<br>Output destinations: Destinations for output level 10. | Uninstallation was successful. |
| KAPM04303-I | All of the services for *aa...aa* have been deleted.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | All of the services for *aa...aa* have been deleted. |
| KAPM04304-I | Restart the machine, and then execute the program again.<br>Output destinations: Destinations for output level 10, and windows. | Restart the machine, and then execute the program again. |
| KAPM04305-E | Uninstallation has failed.<br>Output destinations: Destinations for output level 10, and windows. | Uninstallation has failed.<br>Manually perform the deletion. |
| KAPM04306-I | Uninstallation was successful. Restart the machine.<br>Output destinations: Destinations for output level 10, and windows. | Uninstallation was successful. Restart the machine. |
| KAPM04307-E | "*aa...aa*" has not stopped. Stop the service, and then try again.<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10, and windows. | *aa...aa* has not stopped.<br>Stop the service, then retry. |
| KAPM04311-E | An attempt to acquire an installation path for *aa...aa* has failed. Manually delete the installation directory.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to acquire an installation path for *aa...aa* has failed.<br>Manually delete the installation directory. |
| KAPM04312-E | An attempt to acquire registry information has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to acquire registry information has failed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04313-E | An attempt to acquire the registry information has failed. Manually delete the registry information.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to acquire the registry information has failed. Manually delete the registry information. |
| KAPM04314-E | Some files remained. Manually delete them.<br>Output destinations: Destinations for output level 10, and windows. | Some files remained. Manually delete them. |
| KAPM04315-W | All the files for *aa...aa* will now be deleted. Is this OK?<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | All the files for *aa...aa* will now be deleted. Is this OK? |
| KAPM04316-W | Are you sure you want to delete all of the files?<br>Output destinations: Destinations for output level 10, and windows. | Are you sure you want to delete all of the files? |
| KAPM04317-I | Uninstallation was interrupted.<br>Output destinations: Destinations for output level 10, and windows. | Uninstallation was interrupted. |
| KAPM04318-I | The OS setting information was successfully deleted.<br>Output destinations: Destinations for output level 10, and windows. | The OS setting information was successfully deleted. |
| KAPM04319-E | An attempt to delete the OS setting information has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to delete the OS setting information has failed.<br>manually perform the deletion. |
| KAPM04320-W | The resident process "*aa...aa*" has not stopped.<br>*aa...aa*: Process name<br>Output destinations: Destinations for output level 10, and windows. | The resident process *aa...aa* has not stopped. |
| KAPM04321-I | The OS settings information will now be deleted to stop the resident process.<br>Output destinations: Destinations for output level 10, and windows. | The OS settings information will now be deleted to stop the resident process. |
| KAPM04378-E | DOMException: *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | A DOMException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04379-E | RuntimeException occurred. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | A RuntimeException has occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04380-E | MalformedURLException occurred. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | A MalformedURLException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04381-E | IllegalDataException occurred.<br>Output destinations: Destinations for output level 10. | An IllegalDataException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04382-E | IllegalOptionException occurred.<br>Output destinations: Destinations for output level 10. | An IllegalOptionException has occurred.<br>Specify a valid option to execute the command. |
| KAPM04383-E | IOException occurred. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An IOException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04384-E | SAXException occurred. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | A SAXException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04385-E | HttpProtocolException occurred. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An HttpProtocolException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04386-E | ServerNotStartException occurred.<br>Output destinations: Destinations for output level 10. | A ServerNotStartException has occurred.<br>Confirm that Device Manager, Hitachi Storage Command Suite Common Web Service, and Hitachi Storage Command Suite Single Sign On Service are running, and that the port numbers used by these services are correct. |
| KAPM04389-E | Exception occurred. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An Exception has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04401-I | Initializing servlet.<br>Output destinations: Destinations for output level 10. | Servlet initialization has started. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04405-E | Can't read DTD file.<br>Output destinations: Destinations for output level 0. | An attempt to read the DTD file has failed.<br>Windows: Copy the file hcmdsrepClient.dtd and hcmdsrepServer.dtd from *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\sample\conf to *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf<br>Solaris or Linux: Copy the file hcmdsrepClient.dtd and hcmdsrepServer.dtd from /opt/HiCommand/Base/sample/conf to /opt/HiCommand/Base/conf |
| KAPM04411-I | HTTP:POST from *aa...aa*<br>*aa...aa*: IP address<br>Output destinations: Destinations for output level 10. | The IP address of the requesting client. |
| KAPM04421-E | The error has occurred in Repository process.<br>Output destinations: Destinations for output level 0. | The error has occurred in Repository process.<br>When using HiCommand V3.x series, make sure that InterBase or InterClient is running. If the problem cannot be solved, contact the Support Center.<br>When using the HiCommand V4.x series or later, make sure that HiRDB is running. If the problem cannot be solved, contact the Support Center. |
| KAPM04422-E | The illegal data has detected in Server process.<br>Output destinations: Destinations for output level 0. | The illegal data has detected during server process.<br>Collect maintenance information and contact the Support Center. |
| KAPM04423-E | The error has occurred in Server process.<br>Output destinations: Destinations for output level 0. | An error occurred during server processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM04426-E | The version is incorrect. Version *aa...aa* is required.<br>*aa...aa*: Versions supported by the server<br>Output destinations: Destinations for output level 0. | The client version is not 1.0.<br>Collect maintenance information and contact the Support Center. |
| KAPM04429-E | An error occurred during server processing.<br>Output destinations: Destinations for output level 0. | An error occurred during server processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM04440-E | Token has timed out.<br>Output destinations: Destinations for output level 0. | Token has timed out.<br>Execute hcmdsrep again. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04446-I | Starting information registration...<br>Output destinations: Destinations for output level 10. | Repository registration is now starting. |
| KAPM04455-W | *aa...aa* has already registered in Repository.<br>*aa...aa*: Value specified by the type option and the displayname option<br>Output destinations: Destinations for output level 10. | *aa...aa* was already registered in the repository.<br>Specify a different combination of the type option and the displayname option to execute hcmdsrep. |
| KAPM04463-W | *aa...aa* is not found in Repository.<br>*aa...aa*: Value specified by the type option and the displayname option<br>Output destinations: Destinations for output level 10. | *aa...aa* was not found in the repository.<br>Specify registered information to execute hcmdsrep. |
| KAPM04464-E | *aa...aa* is associated with more than one ServiceAccessPoint Instances.<br>*aa...aa*: Value specified by the type option and the displayname option<br>Output destinations: Destinations for output level 10. | *aa...aa* is associated with more than one ServiceAccessPoint Instance.<br>The database may be broken. Collect maintenance information and contact the Support Center. |
| KAPM04465-I | Starting information deletion...<br>Output destinations: Destinations for output level 10. | Deletion of product information from the repository is now starting. |
| KAPM04468-W | *aa...aa* is not found in Repository.<br>*aa...aa*: Value specified by the type option and the displayname option<br>Output destinations: Destinations for output level 10. | *aa...aa* was not found in the repository.<br>Specify a valid program type to execute hcmdsrep. |
| KAPM04472-I | Starting information display...<br>Output destinations: Destinations for output level 10. | Acquisition of display information from the repository is now starting. |
| KAPM04475-W | No results were found in Repository.<br>Output destinations: Destinations for output level 10. | No results were found in Repository. |
| KAPM04480-E | Type name is too Long.<br>Output destinations: Destinations for output level 0. | Type name is too Long.<br>The database may be broken. Collect maintenance information and contact the Support Center. |
| KAPM04481-E | Type or URL is not set.<br>Output destinations: Destinations for output level 0. | Type or URL is not set.<br>The database may be broken. Collect maintenance information and contact the Support Center. |
| KAPM04489-E | This version does not support the add option.<br>Output destinations: Destinations for output level 10, and windows. | This version does not support the add option.<br>The add option cannot be used. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04499-E | Detail of exception: *aa...aa*<br>*aa...aa*: Contents of the exception<br>Output destinations: Destinations for output level 10. | Detail of exception. |
| KAPM04510-E | Option is invalid. option= *aa...aa*<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10. | An option is invalid.<br>Specify a valid option. |
| KAPM04511-E | Option is invalid. option= *aa...aa*<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10. | An option is invalid.<br>Specify a valid option. |
| KAPM04512-E | Option is invalid. option= *aa...aa*<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10. | An option is invalid.<br>Specify a valid option. |
| KAPM04513-E | Option value is invalid. option-value=*aa...aa*<br>*aa...aa*: Option value<br>Output destinations: Destinations for output level 10. | An option value is invalid.<br>Specify a valid option. |
| KAPM04514-E | Following Option is not supported: *aa...aa*<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10. | An option is invalid.<br>Specify a valid option. |
| KAPM04515-E | Option is invalid. option= *aa...aa*<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Specify a valid option. |
| KAPM04516-E | Option is invalid. option= *aa...aa*<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Specify a valid option. |
| KAPM04517-E | Option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | Option is invalid.<br>Specify a valid option. |
| KAPM04518-E | Option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | Option is invalid.<br>Specify a valid option. |
| KAPM04519-E | Option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | Option is invalid.<br>Specify a valid option. |
| KAPM04520-E | Option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | Option is invalid.<br>Specify a valid option. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04521-E | Option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | Option is invalid.<br>Specify a valid option. |
| KAPM04522-E | Invalid Group or Role.<br>Output destinations: Destinations for output level 10, and windows. | Invalid Group or Role.<br>Specify the name and password of a user who belongs to the GROUP "Global" and ROLE "Admin". |
| KAPM04523-E | Username or password is invalid.<br>Output destinations: Destinations for output level 10, and windows. | Username or password is invalid.<br>Specify a user name and password registered in Device Manager. |
| KAPM04524-E | Failed to connect to HiCommand Suite Single Sign On Service.<br>Output destinations: Destinations for output level 0. | Failed to connect to Hitachi Storage Command Suite Single Sign On Service.<br>Confirm that Hitachi Storage Command Suite Single Sign On Service is running. |
| KAPM04525-E | Failed to connect to HiCommand Device Manager.<br>Output destinations: Destinations for output level 0. | Failed to connect to Device Manager.<br>Confirm that the Device Manager service is running. |
| KAPM04526-E | HSSOException occurred.<br>Output destinations: Destinations for output level 0. | An HSSOException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04527-E | FileNotFoundException occurred.<br>Output destinations: Destinations for output level 0. | A FileNotFoundException has occurred.<br>Windows: Copy the file hcmdsrepClient.dtd and hcmdsrepServer.dtd from *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\sample\conf to *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf<br>Solaris or Linux: Copy the file hcmdsrepClient.dtd and hcmdsrepServer.dtd from /opt/HiCommand/Base/sample/conf to /opt/HiCommand/Base/conf |
| KAPM04528-E | IOException occurred.<br>Output destinations: Destinations for output level 0. | An IOException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04529-E | Option needs value. option=*aa...aa*<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10. | An option requires a value.<br>Specify a value for the option. |
| KAPM04553-E | IOException occurred. *aa...aa*<br>*aa...aa*: Exception message<br>Output destinations: Destinations for output level 0. | An IOException has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04554-E | Not support tag type detected.<br>Output destinations: Destinations for output level 0. | An unsupported tag type was detected.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04555-E | Value is too long.<br>Output destinations: Destinations for output level 10, and windows. | The value is too long.<br>Enter a string that does not exceed the character limit. |
| KAPM04556-E | Failed to connect to HiCommand Suite Common Web Service.<br>Output destinations: Destinations for output level 0. | Hitachi Storage Command Suite Common Web Service could not be connected.<br>Confirm that Hitachi Storage Command Suite Common Web Service is running. |
| KAPM04557-E | A single sign-on server exception has occurred.<br>Output destinations: Destinations for output level 0. | A single sign-on server exception has occurred.<br>Confirm that the Hitachi Storage Command Suite Server is running.<br>Confirm that the used database is running.<br>If the problem cannot be solved, contact the Support Center. |
| KAPM04558-E | An invalid role was detected.<br>Output destinations: Destinations for output level 10. | An invalid role was detected.<br>Specify a user belonging to the group "Admin" or "Peer" and the user's password. |
| KAPM04560-I | hcmdsrep add has succeeded. *aa...aa*<br>*aa...aa*: Program type<br>Output destinations: In window only. | hcmdsrep add has succeeded. |
| KAPM04561-I | hcmdsrep delete has succeeded. *aa...aa*<br>*aa...aa*: Program type<br>Output destinations: In window only. | hcmdsrep delete has succeeded. |
| KAPM04562-E | hcmdsrep add has failed. *aa...aa*<br>*aa...aa*: Program type<br>Output destinations: In window only. | hcmdsrep add has failed.<br>See the message output prior to receiving this message. |
| KAPM04563-E | hcmdsrep delete has failed. *aa...aa*<br>*aa...aa*: Program type<br>Output destinations: In window only. | hcmdsrep delete has failed.<br>See the message output prior to receiving this message. |
| KAPM04601-E | Command format is invalid.<br>Output destinations: Destinations for output level 10. | The command format is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04602-E | Command format is invalid. invalid-param=*aa...aa*<br>*aa...aa*: Invalid parameter<br>Output destinations: Destinations for output level 10. | The command format is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04603-E | File is not found. file-name=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file could not be found.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04604-E | Directory is not found. directory-name=*aa...aa*<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10. | The directory could not be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM04605-E | Bundle PP Name is invalid. name=*aa...aa*<br>*aa...aa*: Invalid value<br>Output destinations: Destinations for output level 10. | The value of the type option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04606-E | Web Container server is invalid. name=*aa...aa*<br>*aa...aa*: Invalid value<br>Output destinations: Destinations for output level 10. | The value of the server option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04608-I | Setup completed successfully.<br>Output destinations: Destinations for output level 10. | Setup completed successfully. |
| KAPM04609-E | Failed to create file. file-name=*aa...aa*<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | An attempt to create a file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04613-I | Delete completed successfully.<br>Output destinations: Destinations for output level 10. | Delete completed successfully. |
| KAPM04614-E | Failed to setup server.<br>Output destinations: Destinations for output level 10. | An attempt to set up the server has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04615-E | Failed to delete server.<br>Output destinations: Destinations for output level 10. | An attempt to delete the server has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM04616-E | Server is running. pid=*aa...aa*<br>*aa...aa*: Process ID<br>Output destinations: Destinations for output level 10. | The server is running.<br>Collect maintenance information and contact the Support Center. |
| KAPM04702-E | The option(s) specified is insufficient.<br>Output destinations: Destinations for output level 10, and windows. | The option(s) specified is insufficient.<br>Collect maintenance information and contact the Support Center. |
| KAPM04703-E | The option value specified is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option value specified is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04705-E | The option "*aa...aa*" is not supported.<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10, and windows. | The option "*aa...aa*" is not supported.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04706-E | The option "*aa...aa*" appears 2 times or more.<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10, and windows. | The option "*aa...aa*" appears 2 times or more.<br>Collect maintenance information and contact the Support Center. |
| KAPM04707-E | The combination of options is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The combination of options is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04710-E | An exception occurred.<br>Output destinations: Destinations for output level 0, and windows. | An exception occurred. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM04711-E | The file "*aa...aa*" could not be read.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file "*aa...aa*" could not be read.<br>Collect maintenance information and contact the Support Center. |
| KAPM04713-E | The input XML contains a grammar mistake.<br>Output destinations: Destinations for output level 0, and windows. | The input XML contains a grammar mistake.<br>Collect maintenance information and contact the Support Center. |
| KAPM04714-E | Failed to connect to HBase Storage Mgmt Common Service.<br>Output destinations: Destinations for output level 0, and windows. | Failed to connect to HBase Storage Mgmt Common Service.<br>Confirm that HBase Storage Mgmt Common Service is running. |
| KAPM04715-E | Failed to connect to HBase Storage Mgmt Web Service.<br>Output destinations: Destinations for output level 0, and windows. | Failed to connect to HBase Storage Mgmt Web Service.<br>Confirm that the HBase Storage Mgmt Web Service has started. If the HBase Storage Mgmt Web Service has started, confirm that the hostname in hsso.conf is correct.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\hsso.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/hsso.conf |
| KAPM04716-E | Failed to connect to the host specified in hsso.conf.<br>Output destinations: Destinations for output level 0, and windows. | Failed to connect to the host specified in hsso.conf.<br>Confirm that the host name in hsso.conf is correct.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\hsso.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/hsso.conf |
| KAPM04717-E | An invalid URL was detected. ( *aa...aa* )<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 0, and windows. | An invalid URL was detected.<br>Confirm that the URL is correct. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04718-E | The server returned an empty response.<br>Output destinations: Destinations for output level 0, and windows. | The server returned an empty response.<br>Collect maintenance information and contact the Support Center. |
| KAPM04719-E | An unsupported element type was detected in the XML.<br>Output destinations: Destinations for output level 0, and windows. | An unsupported element type was detected in the XML.<br>Collect maintenance information and contact the Support Center. |
| KAPM04722-W | *aa...aa* error(s) were detected in the response.<br>*aa...aa*: Number of errors<br>Output destinations: Destinations for output level 10. | *aa...aa* error(s) were detected in the response.<br>Collect maintenance information and contact the Support Center. |
| KAPM04723-E | Invalid error information was detected.<br>Output destinations: Destinations for output level 0. | Invalid error information was detected.<br>Collect maintenance information and contact the Support Center. |
| KAPM04724-E | Invalid server information was detected.<br>Output destinations: Destinations for output level 0. | Invalid server information was detected.<br>Collect maintenance information and contact the Support Center. |
| KAPM04800-E | Authentication information is insufficient.<br>Output destinations: Destinations for output level 0, and windows. | Authentication information is insufficient.<br>Use a SOAP Client that send Authentication information. |
| KAPM04801-E | Authentication has failed.<br>Output destinations: Destinations for output level 0, and windows. | Authentication has failed to authenticate the specified user id or password. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM04802-E | A single sign-on server communication exception has occurred.<br>Output destinations: Destinations for output level 0, and windows. | Communication between a single sign-on client and the server has failed. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM04803-E | A single sign-on server exception has occurred.<br>Output destinations: Destinations for output level 0, and windows. | A single sign-on server exception has occurred. See the following message KAPM49001-E for details.<br>When using HiCommand V3.x series, confirm that InterServer/InterBase or Device Manager is running. If the problem cannot be solved, collect maintenance information and contact the Support Center.<br>When using the HiCommand V4.x series or later, make sure that HiRDB or Device Manager are running. If the problem cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM04805-E | An XML parser exception occurred.<br>Output destinations: Destinations for output level 0, and windows. | An XML parser exception occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04806-E | The received XML element *aa...aa* contains an unexpected value *cc...cc* for attribute *bb...bb*. The expected value is *dd...dd*. TARGET=*ee...ee*<br>*aa...aa*: XML tag name including unexpected value<br>*bb...bb*: Name of attribute unexpected value is set<br>*cc...cc*: Unexpected value of attribute<br>*dd...dd*: Value of attribute the server expects<br>*ee...ee*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The received XML element *aa...aa* contains an unexpected value *cc...cc* for attribute *bb...bb*. The expected value is *dd...dd*.<br>Collect maintenance information and contact the Support Center. |
| KAPM04807-E | The XML element *aa...aa* is not allowed as a child of element *bb...bb*. TARGET=*cc...cc*<br>*aa...aa*: Tag name of unexpected element<br>*bb...bb*: Tag name of element including unexpected element<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The XML element *aa...aa* is not allowed as a child of element *bb...bb*.<br>Collect maintenance information and contact the Support Center. |
| KAPM04808-W | The received XML attribute *aa...aa* is not allowed as an attribute of *bb...bb*. TARGET=*cc...cc*<br>*aa...aa*: Unexpected attribute name<br>*bb...bb*: Tag name of element including unexpected attribute<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The XML attribute *aa...aa* is not allowed as an attribute of *bb...bb*.<br>Collect maintenance information and contact the Support Center. |
| KAPM04809-E | Message catalog information is insufficient for the log message. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | Message catalog information is insufficient for the log message.<br>Collect maintenance information and contact the Support Center. |
| KAPM04810-E | A CIM Repository exception occurred. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | A CIM Repository exception occurred. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM04812-E | Failed to connect to HiCommand Device Manager.<br>Output destinations: Destinations for output level 0, and windows. | Failed to connect to Device Manager.<br>Confirm that the service is running and check the value of HDVM.host in the init.conf file. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04813-E | An exception occurred. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04814-W | The CIM datatype *aa...aa* is invalid for *bb...bb*; it will be handled as a string type.<br>*aa...aa*: Specified CIM data type name<br>*bb...bb*: Attribute name Specified CIM data type is specified<br>Output destinations: Destinations for output level 0. | The CIM datatype *aa...aa* is invalid for *bb...bb*; it will be handled as a string type.<br>Specify a supported data type. |
| KAPM04815-E | This operation *aa...aa* is unknown. TARGET= *bb...bb*<br>*aa...aa*: Unexpected operation<br>*bb...bb*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | This operation *aa...aa* is unknown.<br>Collect maintenance information and contact the Support Center. |
| KAPM04816-E | INSTANCENAME cannot be used for the set operation. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | INSTANCENAME cannot be used for the set operation.<br>Collect maintenance information and contact the Support Center. |
| KAPM04817-E | The CIM operation *aa...aa* is missing required argument *bb...bb*. TARGET=*cc...cc*<br>*aa...aa*: CIM operation name<br>*bb...bb*: Essential parameter name<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The CIM operation *aa...aa* is missing a required argument *bb...bb*.<br>Collect maintenance information and contact the Support Center. |
| KAPM04818-I | Starting CIM access... Method = *aa...aa*<br>*aa...aa*: Name of the method of the repository API<br>Output destinations: Destinations for output level 10. | CIM access is starting. |
| KAPM04819-I | Ending CIM access...<br>Output destinations: Destinations for output level 10. | Ending CIM access. |
| KAPM04820-I | Receiving a request...<br>Output destinations: Destinations for output level 10. | Receiving a SOAP request. |
| KAPM04821-I | Replying to the request...<br>Output destinations: Destinations for output level 10. | Replying to the SOAP request. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04826-I | The instance has been updated. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: In window only. | The instance has been updated by the set operation. |
| KAPM04827-I | A new instance has been created. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: In window only. | A new instance has been created by the set operation. |
| KAPM04828-I | The class is empty. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: In window only. | The result of the enumerate operation shows the class is empty. |
| KAPM04829-I | The instance could not be found. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: In window only. | The instance could not be found. |
| KAPM04830-I | The instance was deleted. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: In window only. | The instance was deleted. |
| KAPM04832-E | The input data *aa...aa* is not valid for data type *bb...bb*. TARGET=*cc...cc*<br>*aa...aa*: Input data value<br>*bb...bb*: Input data type<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The input data *aa...aa* is not valid for data type *bb...bb*. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM04833-E | The received XML element *bb...bb* is missing a required attribute *aa...aa*. TARGET=*cc...cc*<br>*aa...aa*: Required attribute name<br>*bb...bb*: XML tag name which contains attribute of *aa...aa*<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The received XML element *bb...bb* is missing a required attribute *aa...aa*.<br>Collect maintenance information and contact the Support Center. |
| KAPM04834-E | The received XML element *bb...bb* is missing a required child element *aa...aa*. TARGET=*cc...cc*<br>*aa...aa*: XML tag name of the required element<br>*bb...bb*: XML tag name of the parent element<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The received XML element *bb...bb* is missing a required child element *aa...aa*.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04835-W | The received XML element *bb...bb* has no child element *aa...aa*. TARGET=*cc...cc*<br>*aa...aa*: Required tag name<br>*bb...bb*: Tag name of parent element<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The received XML element *bb...bb* has no child element *aa...aa*.<br>Specify the *bb...bb* element for the *aa...aa* element in the XML file. |
| KAPM04836-E | The received XML element *aa...aa* with attribute *bb...bb*=*cc...cc* is duplicated. TARGET=*dd...dd*<br>*aa...aa*: Duplicated tag name of XML element<br>*bb...bb*: Attribute name<br>*cc...cc*: Attribute value<br>*dd...dd*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The received XML element *aa...aa* with attribute *bb...bb*=*cc...cc* is duplicated.<br>Collect maintenance information and contact the Support Center. |
| KAPM04837-E | The XML element *aa...aa* as child of element *bb...bb* is duplicated. TARGET=*cc...cc*<br>*aa...aa*: Duplicated tag name of XML element<br>*bb...bb*: Tag name of parent element<br>*cc...cc*: Information for processing<br>Output destinations: Destinations for output level 0, and windows. | The XML element *aa...aa* as child of element *bb...bb* is duplicated.<br>Collect maintenance information and contact the Support Center. |
| KAPM04838-I | The class has been created. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: In window only. | The class has been created. |
| KAPM04839-I | The class already exist. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: Destinations for output level 10, and windows. | The class already exists. |
| KAPM04840-I | The class could not be found. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: Destinations for output level 10, and windows. | The class could not be found. |
| KAPM04841-I | The class was deleted. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: In window only. | The class was deleted. |
| KAPM04842-E | The class *aa...aa* of the instance is invalid. TARGET=*aa...aa*<br>*aa...aa*: Information for processing<br>Output destinations: Destinations for output level 10, and windows. | The class *aa...aa* of the instance is invalid.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04901-E | The parameter is invalid.<br>Output destinations: Destinations for output level 10. | The parameter is invalid.<br>Set the valid parameter. |
| KAPM04902-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10. | A fatal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04905-E | An attempt to open the file failed. Path = *aa...aa*<br>*aa...aa*: File path name<br>Output destinations: Destinations for output level 10. | An attempt to open the file failed.<br>Confirm that a file exists in the specified location or does not in use. |
| KAPM04906-I | The alias for *aa...aa* was set.<br>*aa...aa*: Program product name<br>Output destinations: Destinations for output level 10. | The alias for *aa...aa* was set. |
| KAPM04907-I | The alias for *aa...aa* was overwritten.<br>*aa...aa*: Program product name<br>Output destinations: Destinations for output level 10. | The alias for *aa...aa* was overwritten. |
| KAPM04908-I | The alias for *aa...aa* was deleted.<br>*aa...aa*: Program product name<br>Output destinations: Destinations for output level 10. | The alias for *aa...aa* was deleted. |
| KAPM04910-W | The alias for *aa...aa* does not exist.<br>*aa...aa*: Program product name<br>Output destinations: Destinations for output level 10. | The alias for *aa...aa* does not exist. |
| KAPM04909-E | The alias for *aa...aa* does not exist.<br>*aa...aa*: Program product name<br>Output destinations: Destinations for output level 0. | The alias for *aa...aa* does not exist. |
| KAPM04933-E | An option is invalid.<br>Output destinations: Destinations for output level 10. | An option is invalid. |
| KAPM04950-I | PrintWriter was created. path = "*aa...aa*", file = "*bb...bb*"<br>*aa...aa*: Path of file *bb...bb*<br>*bb...bb*: File name<br>Output destinations: Destinations for output level 10. | PrintWriter was created. |
| KAPM04951-I | BufferedReader was created. path = "*aa...aa*", file = "*bb...bb*"<br>*aa...aa*: Path of file *bb...bb*<br>*bb...bb*: File name<br>Output destinations: Destinations for output level 10. | BufferedReader was created. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04952-E | The file was not found. path = "*aa...aa*", file = "*bb...bb*"<br>*aa...aa*: Path of file *bb...bb*<br>*bb...bb*: File name<br>Output destinations: Destinations for output level 0. | The file was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM04953-I | PrintWriter has closed.<br>Output destinations: Destinations for output level 10. | PrintWriter has closed. |
| KAPM04954-W | PrintWriter cannot be closed. PrintWriter is null.<br>Output destinations: Destinations for output level 10. | PrintWriter cannot be closed. PrintWriter is null. |
| KAPM04955-I | BufferedReader has closed.<br>Output destinations: Destinations for output level 10. | BufferedReader has closed. |
| KAPM04956-W | BufferedReader cannot be closed. BufferedReader is null.<br>Output destinations: Destinations for output level 10. | BufferedReader cannot be closed. BufferedReader is null. |
| KAPM04957-E | The specified application command is not registered. application name = "*aa...aa*"<br>*aa...aa*: Specified application name<br>Output destinations: Destinations for output level 10. | The specified application command is not registered. |
| KAPM04958-E | The specified application command is already registered. application name = "*aa...aa*"<br>*aa...aa*: Specified application name<br>Output destinations: Destinations for output level 10. | The specified application command is already registered. |
| KAPM04959-I | *aa...aa* has been added to the file.<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10. | *aa...aa* has been added to the file. |
| KAPM04960-I | *aa...aa* has been removed from the file.<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10. | *aa...aa* has been removed from the file. |
| KAPM04970-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | Processing ended normally. |
| KAPM04971-E | The specified command is already registered.<br>Output destinations: Destinations for output level 10, and windows. | The specified command is already registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM04972-E | The specified command is not registered.<br>Output destinations: Destinations for output level 10, and windows. | The specified command is not registered. |
| KAPM04973-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM04974-E | An unexpected error occurred.<br>Output destinations: Destinations for output level 0, and windows. | An unexpected error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04975-E | The type of OS is unknown.<br>Output destinations: Destinations for output level 10. | The type of OS is unknown.<br>Collect maintenance information and contact the Support Center. |
| KAPM04976-E | IllegalOptionException occurred. Description = "*aa...aa*"<br>*aa...aa*: Error details<br>Output destinations: Destinations for output level 10. | IllegalOptionException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM04977-E | InconsistencyException occurred. Description = "*aa...aa*"<br>*aa...aa*: Error details<br>Output destinations: Destinations for output level 10. | InconsistencyException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05001-I | hcmdssrv was entered.<br>Output destinations: Destinations for output level 10. | The hcmdssrv command was entered. |
| KAPM05002-E | Command format is invalid.<br>Output destinations: Destinations for output level 0. | The option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05003-E | Option is invalid. option=*aa...aa*<br>*aa...aa*: Invalid option<br>Output destinations: Destinations for output level 0. | The option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05004-E | Server name is invalid. server-name=*aa...aa*<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 0. | The server name is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05005-E | The Win32API has failed. API name=*aa...aa*, error code=*bb...bb*<br>*aa...aa*: Name of the WIN32API<br>*bb...bb*: Results of GetLastError()<br>Output destinations: Destinations for output level 0. | An error has occurred in WIN32API.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05006-E | Failed to start service. service-name=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | An attempt to start the service has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05007-I | Already started service. service-name=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | The service is already running. |
| KAPM05008-E | Failed to stop service. service-name=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | An attempt to stop the service has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05009-I | Already stopped service. service-name=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | The service is already stopped. |
| KAPM05010-E | Failed to query service. service-name=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | An attempt to query the service status has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05011-E | Failed to control service.<br>Output destinations: Destinations for output level 0. | An attempt to control the service has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05012-E | Failed to access registry. maintenance-code=*aa...aa*<br>*aa...aa*: Maintenance code<br>Output destinations: Destinations for output level 0. | An attempt to access the registry has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05013-W | Failed to read init.conf. maintenance-code=*aa...aa*<br>*aa...aa*: Maintenance code<br>Output destinations: Destinations for output level 10. | An attempt to read init.conf has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05014-W | Failed to initialize trace. api-name=*aa...aa*,reason=*bb...bb*<br>*aa...aa*: Log trace API name<br>*bb...bb*: Maintenance code<br>Output destinations: Destinations for output level 10. | An attempt to initialize the log has failed.<br>Make sure that multiple instances of the hcmdssrv command are not executed concurrently. If the problem occurs frequently, collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05015-E | An internal function has failed. Function name=*aa...aa*, error code=*bb...bb*<br>*aa...aa*: Internal function name<br>*bb...bb*: Maintenance code<br>Output destinations: Destinations for output level 0. | An internal function has failed.<br>Take action according to the proceeding message. |
| KAPM05016-I | Succeeded in starting of service. service-name=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: In window only. | A request to start the service was accepted. |
| KAPM05017-I | Succeeded in stopping of service. service-name=*aa...aa*<br>*aa...aa*: Service name<br>Output destinations: In window only. | A request to stop the service was accepted. |
| KAPM05018-E | A system call has failed. API name=*aa...aa*, error code=*bb...bb*<br>*aa...aa*: System call name<br>*bb...bb*: Maintenance code<br>Output destinations: Destinations for output level 0. | A system call has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05019-W | Definition is invalid. name=*aa...aa*<br>*aa...aa*: Definition value name<br>Output destinations: Destinations for output level 10. | The definition is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05020-E | Failed to open file. maintenance-code=*aa...aa*<br>*aa...aa*: Maintenance code<br>Output destinations: Destinations for output level 0. | An attempt to open the file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05021-E | Service does not exist.<br>Output destinations: Destinations for output level 0. | The service does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM05022-W | Service does not exist.<br>Output destinations: Destinations for output level 10. | The service does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM05023-E | Could not find executable file. file-name=*aa...aa*<br>*aa...aa*: Executable file<br>Output destinations: Destinations for output level 0. | Could not find executable file.<br>Collect maintenance information and contact the Support Center. |
| KAPM05024-W | Failed to initialize trace. Reason=*aa...aa*<br>*aa...aa*: Reason<br>Output destinations: Destinations for output level 10. | Failed to initialize trace.<br>Processing is continued without a trace. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05025-I | The start type has been successfully changed. service-name = *aa...aa*<br>*aa...aa*: Service name<br>Output destinations: In window only. | The start type has been successfully changed. |
| KAPM05026-E | An attempt to change the start type has failed. service-name = *aa...aa*<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | An attempt to change the start type has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05027-E | An attempt to start the DBMS service has failed.<br>Output destinations: Destinations for output level 10. | An attempt to start the DBMS service has failed.<br>Refer to details to the hcmdsdbsrv log. |
| KAPM05028-E | An attempt to stop the DBMS service has failed.<br>Output destinations: Destinations for output level 10. | An attempt to stop the DBMS service has failed.<br>Refer to details to the hcmdsdbsrv log. |
| KAPM05029-E | An attempt to acquire the status of the DBMS service has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the status of the DBMS service has failed.<br>Refer to details to the hcmdsdbsrv log. |
| KAPM05030-E | An attempt to query the status of a service has failed. (service name = *aa...aa*)<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to query the status of a service failed.<br>Take action according to the message output before or after this message. |
| KAPM05035-E | An attempt to execute the command *aa...aa* has failed.<br>*aa...aa*: executable file name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to execute a command has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05036-I | The command *aa...aa* was executed successfully. (return code = *bb...bb*)<br>*aa...aa*: executable file name<br>*bb...bb*: return code<br>Output destinations: Destinations for output level 10, and windows. | A command was executed successfully. |
| KAPM05037-E | An attempt to query a service has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to query a service has failed.<br>Take action according to the message output before or after this message. |
| KAPM05038-W | The error has occurred in *aa...aa* command. code=*bb...bb*<br>*aa...aa*: Command<br>*bb...bb*: Error code<br>Output destinations: Destinations for output level 10. | The error has occurred in *aa...aa* command. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05201-E | The memory is insufficient.(*aa...aa*)<br>*aa...aa*: Variable name<br>Output destinations: Destinations for output level 0. | The memory is insufficient.<br>Collect maintenance information and contact the Support Center. |
| KAPM05202-E | The number of options is insufficient.<br>Output destinations: Destinations for output level 0. | The number of options is insufficient.<br>Collect maintenance information and contact the Support Center. |
| KAPM05203-E | There is no value following the option.<br>Output destinations: Destinations for output level 0. | An option has been specified without a value.<br>Collect maintenance information and contact the Support Center. |
| KAPM05204-E | Option is invalid.<br>Output destinations: Destinations for output level 0. | An option contains an error.<br>Collect maintenance information and contact the Support Center. |
| KAPM05205-E | There is only a value though there is no option.<br>Output destinations: Destinations for output level 0. | Only a value is specified for arguments, and not the corresponding option.<br>Collect maintenance information and contact the Support Center. |
| KAPM05206-E | The error occurred in dispatcher.<br>Output destinations: Destinations for output level 0. | An error occurred in the dispatcher.<br>Collect maintenance information and contact the Support Center. |
| KAPM05207-E | The error occurred in the registration of the service controller.<br>Output destinations: Destinations for output level 0. | An error occurred in the registration of the service controller.<br>Collect maintenance information and contact the Support Center. |
| KAPM05208-E | The error occurred in the HandlerRoutine.<br>Output destinations: Destinations for output level 0. | An error occurred during list addition of the process's handler function.<br>Collect maintenance information and contact the Support Center. |
| KAPM05209-I | The service_stop_thread is started.<br>Output destinations: Destinations for output level 10. | A service stop request thread was opened.<br>Collect maintenance information and contact the Support Center. |
| KAPM05210-E | The error occurred in the service_stop_thread.<br>Output destinations: Destinations for output level 0. | An error occurred in the service stop request thread.<br>Collect maintenance information and contact the Support Center. |
| KAPM05211-E | The error occurred in the Report Status.<br>Output destinations: Destinations for output level 0. | An attempt to report progress to the service control manager has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05212-E | The error occurred in create JavaVM.<br>Output destinations: Destinations for output level 0. | An error occurred while generating the JavaVM.<br>Collect maintenance information and contact the Support Center. |
| KAPM05213-E | Failed to set processing of JavaVM.<br>Output destinations: Destinations for output level 0. | An attempt to set up the JavaVM has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05214-I | *aa...aa* started.<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | The service has started. |
| KAPM05215-I | *aa...aa* stopped.<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 0. | The service has stopped. |
| KAPM05216-E | The error occurred in the start of service.<br>Output destinations: Destinations for output level 0. | An attempt to start the service has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05217-E | Failed to get to the option definition file value.<br>Output destinations: Destinations for output level 0. | An attempt to get the value of the option definition file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05218-E | Failed to change the current directory.<br>Output destinations: Destinations for output level 0. | An attempt to change the current directory has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05219-E | Failed to create JavaVM.<br>Output destinations: Destinations for output level 0. | An attempt to create the JavaVM has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05220-E | Failed to connect to JavaVM.<br>Output destinations: Destinations for output level 0. | An attempt to connect to the JavaVM has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05221-E | The class is not found.<br>Output destinations: Destinations for output level 0. | The class was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM05222-E | The method is not found.<br>Output destinations: Destinations for output level 0. | The method was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM05223-E | The error occurred in the Getinstpath.(*aa...aa*)<br>*aa...aa*: Registry key or registry path<br>Output destinations: Destinations for output level 0. | An error occurred while acquiring a key or path from the registry.<br>Collect maintenance information and contact the Support Center. |
| KAPM05224-E | The error occurred in the LoadLibrary.<br>Output destinations: Destinations for output level 0. | An attempt to load the DLL has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05225-E | The error occurred in the GetProcAddress.<br>Output destinations: Destinations for output level 0. | An attempt to get the function address in the DLL has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05226-E | The error occurred in the AllocConsole.<br>Output destinations: Destinations for output level 0. | An error occurred while allocating a new console to a process.<br>Collect maintenance information and contact the Support Center. |
| KAPM05227-E | The error occurred in the DeleteFile.<br>Output destinations: Destinations for output level 0. | An error occurred while deleting a file.<br>Collect maintenance information and contact the Support Center. |
| KAPM05228-E | The error occurred in the GenerateConsoleCtrlEvent.<br>Output destinations: Destinations for output level 0. | An error occurred while sending the specified signal to the console process group.<br>Collect maintenance information and contact the Support Center. |
| KAPM05229-E | An attempt to execute the command to start the Web container server has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to execute the command to start the Web container server has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05230-E | An attempt to execute the command to stop the Web container server has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to execute the command to stop the Web container server has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05231-E | An attempt to execute the thread-dump acquisition command has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to execute the thread-dump acquisition command has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05232-E | The service stopped abnormally. (service name = *aa...aa*)<br>*aa...aa*: Service name<br>Output destinations: Destinations for output level 10. | The service stopped abnormally.<br>Collect maintenance information and contact the Support Center. |
| KAPM05250-I | Registration of the information-search user has finished.<br>Output destinations: Destinations for output level 10, and windows. | Registration of the information-search user has finished. |
| KAPM05251-I | Deletion of the information-search user has finished.<br>Output destinations: Destinations for output level 10, and windows. | Deletion of the information-search user has finished. |
| KAPM05252-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option specified for the command is invalid.<br>Specify a correct option. |
| KAPM05253-E | The specified option contains an invalid character.<br>Output destinations: Destinations for output level 10, and windows. | The specified option parameter contains an invalid character.<br>Specify valid characters for the option parameter. |
| KAPM05255-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05256-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05257-E | Log initialization has failed.<br>Output destinations: Destinations for output level 10, and windows. | Log initialization has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05258-I | The command has started.<br>Output destinations: Destinations for output level 10. | The command has started. |
| KAPM05259-I | The command has ended.<br>Output destinations: Destinations for output level 10. | The command has ended. |
| KAPM05263-W | No registered information exists<br>Output destinations: Destinations for output level 10, and windows. | No registered information exists.<br>Register the user information by using the set option, and then re-execute the command. If the same message is output again, acquire the maintenance information, and then contact the Support Center. |
| KAPM05264-E | The file format is invalid.<br>Output destinations: Destinations for output level 10. | The file format is invalid.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM05265-E | An error occurred during file I/O processing.<br>Output destinations: Destinations for output level 10. | An error occurred during file I/O processing.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM05266-W | A server has not been registered.<br>Output destinations: Destinations for output level 10, and windows. | No information was displayed when the list option was specified.<br>Register the user information by using the set option, and then re-execute the command. If the same message is output again, acquire the maintenance information, and then contact the Support Center. |
| KAPM05280-I | Registration of a secret has succeeded.<br>Output destinations: Destinations for output level 10, and windows. | Registration of a secret has succeeded. |
| KAPM05281-I | Deletion of a secret has succeeded.<br>Output destinations: Destinations for output level 10, and windows. | Deletion of a secret has succeeded. |
| KAPM05282-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Specify a valid option. |
| KAPM05285-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM05286-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10. | A fatal error occurred.<br>Acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05288-I | The command has started.<br>Output destinations: Destinations for output level 10. | The command hcmdsradiussecret has started. |
| KAPM05289-I | The command has finished.<br>Output destinations: Destinations for output level 10. | The command hcmdsradiussecret has finished. |
| KAPM05293-W | No registered information exists.<br>Output destinations: Destinations for output level 10, and windows. | No registered information exists.<br>Register a secret by using the set option, and then re-execute the command. If the same message is output again, acquire the maintenance information, and then contact the Support Center. |
| KAPM05294-E | The file format is invalid.<br>Output destinations: Destinations for output level 10. | The file format is invalid.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM05295-E | An error occurred during file I/O processing.<br>Output destinations: Destinations for output level 10. | An error occurred during file I/O processing.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM05296-W | A server has not been registered.<br>Output destinations: Destinations for output level 10, and windows. | No information was displayed when the list option was specified.<br>Register a secret by using the set option, and then re-execute the command. If the same message is output again, acquire the maintenance information, and then contact the Support Center. |
| KAPM05301-E | The license has expired.<br>Output destinations: Destinations for the log. | The license has expired.<br>Use a license key that has not expired. |
| KAPM05302-E | The system environment is incorrect.<br>Output destinations: Destinations for the log. | The system environment is incorrect.<br>Collect maintenance information and contact the Support Center. |
| KAPM05303-E | The entered license key is invalid.<br>Output destinations: Destinations for the log. | The entered license key is invalid.<br>Use a regular license key published by the license server. |
| KAPM05304-I | Processing ended normally.<br>Output destinations: Destinations for output level 10. | Processing ended normally. |
| KAPM05308-I | The acquiring of *aa...aa* logs started.<br>*aa...aa*: Application name<br>Output destinations: In window only. | The acquiring of *aa...aa* logs started. |
| KAPM05309-I | Backup of *aa...aa* started.<br>*aa...aa*: Application name<br>Output destinations: In window only. | Backup of *aa...aa* started. |
| KAPM05310-E | The acquiring of *aa...aa* logs abnormally ended.<br>*aa...aa*: Application name<br>Output destinations: In window only. | The acquiring of *aa...aa* logs abnormally ended.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05311-I | The acquiring of *aa...aa* logs successfully ended.<br>*aa...aa*: Application name<br>Output destinations: In window only. | The acquiring of *aa...aa* logs successfully ended. |
| KAPM05312-E | Backup of *aa...aa* abnormally ended.<br>*aa...aa*: Application name<br>Output destinations: In window only. | Backup of *aa...aa* abnormally ended.<br>Collect maintenance information and contact the Support Center. |
| KAPM05313-I | Backup of *aa...aa* successfully ended.<br>*aa...aa*: Application name<br>Output destinations: In window only. | Backup of *aa...aa* successfully ended. |
| KAPM05314-E | The specified directory is not empty.<br>Output destinations: In window only. | The specified directory is not empty.<br>Specify an empty directory. |
| KAPM05315-E | An option is invalid.<br>Output destinations: In window only. | An option is invalid.<br>Check the options of the command. |
| KAPM05316-E | The specified directory name *aa...aa* is invalid.<br>*aa...aa*: Invalid directory name<br>Output destinations: In window only. | The specified directory name *aa...aa* is invalid.<br>Confirm that the specified directory is correct. |
| KAPM05317-E | *aa...aa* is not registered. *bb...bb* is available.<br>*aa...aa*: Program product name specified in option<br>*bb...bb*: Program product name registered in the command<br>Output destinations: In window only. | *aa...aa* is not registered. *bb...bb* is available.<br>Specify the registered program product name. |
| KAPM05318-I | The acquiring of logs successfully ended. *aa...aa*<br>*aa...aa*: Program product name<br>Output destinations: In window only. | The acquiring of *aa...aa* logs successfully ended. |
| KAPM05319-E | The acquiring of logs abnormally ended. *aa...aa*<br>*aa...aa*: Program product name<br>Output destinations: In window only. | The acquiring of *aa...aa* logs abnormally ended.<br>Collect maintenance information and contact the Support Center. |
| KAPM05320-I | Backup successfully ended. (*aa...aa*)<br>*aa...aa*: Program product name<br>Output destinations: In window only. | Backup successfully ended. |
| KAPM05321-E | Backup abnormally ended. (*aa...aa*)<br>*aa...aa*: Program product name<br>Output destinations: In window only. | Backup abnormally ended.<br>Collect maintenance information and contact the Support Center. |
| KAPM05322-E | *aa...aa* does not exist.<br>*aa...aa*: File name<br>Output destinations: In window only. | *aa...aa* does not exist.<br>Confirm that the file exists in the specified directory. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05323-I | Information for restore:<br>To restore the HiCommand shared repository, specify the "/enforce" option.<br>Before restoring, you have to stop the services "InterServer" and "InterBase Server".<br>Note that the HiCommand shared repository is overwritten with old backup data after the restore.<br>Output destinations: In window only. | Information for restore:<br>To restore the Hitachi Storage Command Suite shared repository, specify the "/enforce" option.<br>Before restoring, you have to stop the services "InterServer" and "InterBase Server".<br>Note that the Hitachi Storage Command Suite shared repository is overwritten with old backup data after the restore. |
| KAPM05324-E | The privilege is invalid.<br>Output destinations: In window only. | The privilege is invalid.<br>Execute as a user with execution privilege. |
| KAPM05325-E | An attempt to execute hcmdsras failed.<br>Output destinations: In window only. | An attempt to execute hcmdsras failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05326-E | An attempt to execute jar has failed.<br>Output destinations: In window only. | An attempt to execute jar has failed.<br>Make sure that the file name specified in the arc option does not include the pathname. If that is not the problem, contact the Support Center. |
| KAPM05328-I | The hcmdsbasebackup processing has succeeded.<br>Output destinations: In window only. | The hcmdsbasebackup processing has succeeded. |
| KAPM05329-E | The hcmdsbasebackup processing has failed.<br>Output destinations: In window only. | The hcmdsbasebackup processing has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05330-E | An option is invalid.<br>Output destinations: In window only. | An option is invalid.<br>Check the options of the command. |
| KAPM05331-E | The license has expired.<br>Output destinations: Destinations for the log. | The license has expired.<br>Use a license key that has not expired. |
| KAPM05332-E | The system environment is incorrect.<br>Output destinations: Destinations for the log. | The system environment is incorrect.<br>Collect maintenance information and contact the Support Center. |
| KAPM05333-E | The entered license key is invalid.<br>Output destinations: Destinations for the log. | The entered license key is invalid.<br>Use a regular license key published by the license server. |
| KAPM05334-I | Processing ended normally.<br>Output destinations: Destinations for the log. | Processing ended normally. |
| KAPM05335-E | The license key file that was entered could not be found.<br>Output destinations: Destinations for the log. | The license key file that was entered could not be found.<br>Confirm that the specified path is valid. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05336-E | The license key file that was entered is invalid.<br>Output destinations: Destinations for the log. | The license key file that was entered is invalid.<br>The license key file that was input may be damaged. Contact the Support Center and acquire a new license key file. |
| KAPM05337-I | The license key that should be entered does not exist in the license key file.<br>Output destinations: Destinations for the log. | The license key that should be entered does not exist in the license key file.<br>Confirm that the specified license key file is correct. |
| KAPM05390-I | The hcmdsras processing has succeeded.<br>Output destinations: In window only. | The hcmdsras processing has succeeded. |
| KAPM05402-E | The option(s) specified is insufficient.<br>Output destinations: Destinations for output level 10, and windows. | The option(s) specified is insufficient.<br>Specify all the necessary options. |
| KAPM05403-E | The option value specified is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option value specified is invalid.<br>Specify the option and specify the necessary proceeding values (user name and password, etc.). |
| KAPM05405-E | The option "*aa...aa*" is not supported.<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10, and windows. | The option "*aa...aa*" is not supported.<br>Do not specify an unsupported option. |
| KAPM05406-E | The option "*aa...aa*" appears 2 times or more.<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10, and windows. | The option "*aa...aa*" appears 2 times or more.<br>Check the specification of the option. |
| KAPM05407-E | The combination of options is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The combination of options is invalid.<br>Confirm that no option that should be specified exclusively is specified at the same time. |
| KAPM05410-E | An exception occurred.<br>Output destinations: Destinations for output level 0, and windows. | An exception occurred. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM05411-E | The file "*aa...aa*" could not be read.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 0, and windows. | The file "*aa...aa*" could not be read.<br>Confirm that the file exists, that the file is not in use, and that the make directory of the file is correct. |
| KAPM05413-E | The input XML contains a grammar mistake.<br>Output destinations: Destinations for output level 0, and windows. | The input XML contains a grammar mistake.<br>Collect maintenance information and contact the Support Center. |
| KAPM05414-E | A fatal structure error was detected in the input XML.<br>Output destinations: Destinations for output level 0, and windows. | A fatal structure error was detected in the input XML.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05415-E | An error occurred during communication processing. (Detail: *aa...aa*)<br>*aa...aa*: Error details<br>Output destinations: Destinations for output level 0, and windows. | An error occurred during communication processing. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM05417-E | An invalid URL was detected. (*aa...aa*)<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 0, and windows. | An invalid URL was detected.<br>Check the specification of the URL. |
| KAPM05418-E | The server returned an empty response.<br>Output destinations: Destinations for output level 0, and windows. | The server returned an empty response.<br>Collect maintenance information and contact the Support Center. |
| KAPM05419-E | An unsupported element type was detected in the XML.<br>Output destinations: Destinations for output level 0, and windows. | An unsupported element type was detected in the XML.<br>Collect maintenance information and contact the Support Center. |
| KAPM05422-W | *aa...aa* error(s) were detected in the response.<br>*aa...aa*: Number of errors<br>Output destinations: Destinations for output level 10. | *aa...aa* error(s) were detected in the response.<br>Collect maintenance information and contact the Support Center. |
| KAPM05423-E | Invalid error information was detected.<br>Output destinations: Destinations for output level 0. | Invalid error information was detected.<br>Collect maintenance information and contact the Support Center. |
| KAPM05424-E | Invalid server information was detected.<br>Output destinations: Destinations for output level 0. | Invalid server information was detected.<br>Collect maintenance information and contact the Support Center. |
| KAPM05425-E | The input file contains a grammar mistake.<br>Output destinations: Destinations for output level 0, and windows. | The input file contains a grammar mistake.<br>Correct the syntax error in the specified definition file. |
| KAPM05426-E | An error occurred when inputting the file.<br>Output destinations: Destinations for output level 0. | An error occurred when inputting the file.<br>Collect maintenance information and contact the Support Center. |
| KAPM05427-E | The specified value is invalid. value = *aa...aa*<br>*aa...aa*: Value<br>Output destinations: Destinations for output level 0. | The specified value is invalid.<br>Confirm the value in the user definition application file. |
| KAPM05432-E | Link registration processing has failed. Processing is interrupted.<br>Output destinations: Destinations for output level 10. | Link registration processing has failed. Processing is interrupted.<br>Collect maintenance information and contact the Support Center. |
| KAPM05433-E | The acquisition as a result of registration processing has failed.<br>Output destinations: Destinations for output level 10. | The acquisition as a result of registration processing has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05434-E | I/O of XML has failed.<br>Output destinations: Destinations for output level 10. | I/O of XML has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05435-E | An error occurred in the SAX parser.<br>Output destinations: Destinations for output level 10. | An error occurred in the SAX parser.<br>Collect maintenance information and contact the Support Center. |
| KAPM05436-E | An attempt to analyze the execution result has failed.<br>Output destinations: Destinations for output level 10. | An attempt to analyze the execution result has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05437-E | The execution result of the XREP processing was null.<br>Output destinations: Destinations for output level 10. | The execution result of the XREP processing was null.<br>Collect maintenance information and contact the Support Center. |
| KAPM05438-W | The "*aa...aa*" xrep processing result is *bb...bb*.<br>*aa...aa*: Result of hcmdsxrep command<br>*bb...bb*: Result of the command<br>Output destinations: Destinations for output level 10. | The "*aa...aa*" xrep processing result is *bb...bb*.<br>Collect maintenance information and contact the Support Center. |
| KAPM05439-E | An attempt to register a link has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to register a link has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05440-E | An attempt to delete a link has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to delete a link has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05441-W | An attempt to check the result has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to check the result has failed.<br>Confirm the value in the user definition application file. |
| KAPM05442-E | The registered information was not found.<br>Output destinations: Destinations for output level 10. | The registered information was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM05443-E | The table that registers a link does not exist.<br>Output destinations: Destinations for output level 10. | The table that registers a link does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM05444-E | An error occurred within the server.<br>Output destinations: Destinations for output level 10. | An error occurred within the server.<br>Collect maintenance information and contact the Support Center. |
| KAPM05445-E | An unexpected error occurred within the server.<br>Output destinations: Destinations for output level 10. | An unexpected error occurred within the server.<br>Collect maintenance information and contact the Support Center. |
| KAPM05446-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | Processing ended normally. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05501-I | Backing up the database to file *aa...aa*...<br>*aa...aa*: File name<br>Output destinations: In window only. | Backing up the database to file *aa...aa*. |
| KAPM05502-I | INTERBASE_PID=*aa...aa*.<br>*aa...aa*: InterBase process ID<br>Output destinations: In window only. | INTERBASE_PID=*aa...aa*. |
| KAPM05503-W | The file *aa...aa* will be overwritten. Is this OK?<br>*aa...aa*: File name<br>Output destinations: In window only. | The file *aa...aa* will be overwritten. Is this OK?<br>The continuation will overwrite the *aa...aa*. |
| KAPM05504-W | The HiCommand Server database will be overwritten by this procedure. Is this OK?<br>Output destinations: In window only. | The Hitachi Storage Command Suite Common Component database will be overwritten by this procedure. Is this OK?<br>The continuation will overwrite the Hitachi Storage Command Suite Common Component database. |
| KAPM05505-E | The *aa...aa* file does not exist or is not readable. The HiCommand Server database was not altered.<br>*aa...aa*: File name<br>Output destinations: In window only. | The *aa...aa* file does not exist or is not readable. The Hitachi Storage Command Suite Common Component database was not altered.<br>Confirm that *aa...aa* file exists. Alternatively, check the permission of the *aa...aa* file. |
| KAPM05506-E | The *aa...aa* file does not exist or is not readable.The HiCommand Server database was not altered.<br>*aa...aa*: File name<br>Output destinations: In window only. | The *aa...aa* file does not exist or is not readable. The Hitachi Storage Command Suite Common Component database was not altered.<br>Confirm that the *aa...aa* file exists. |
| KAPM05507-I | Restoring the database from the *aa...aa* file...<br>*aa...aa*: File name<br>Output destinations: In window only. | Restoring the database from the *aa...aa* file. |
| KAPM05508-E | The path of the specified database file is invalid.<br>Output destinations: In window only. | The path of the specified database file is invalid.<br>Check the value of DATABASE.path in the configuration file.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/user.conf |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05509-E | The specified database file was not found.<br>Output destinations: In window only. | The specified database file was not found.<br>Check the value of DATABASE.path in the configuration file.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/user.conf |
| KAPM05510-E | An attempt to read to a file has failed. file name=*aa...aa*.<br>*aa...aa*: File name<br>Output destinations: In window only. | An attempt to read to a file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05511-E | An unexpected error occurred.<br>Output destinations: In window only. | An unexpected error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05512-I | Backup has succeeded.<br>Output destinations: In window only. | Backup has succeeded. |
| KAPM05513-E | An attempt to back up has failed.<br>Output destinations: In window only. | An attempt to back up has failed.<br>Take action according to the message output in the window after command execution. |
| KAPM05514-I | Restoration has succeeded.<br>Output destinations: In window only. | Restoration has succeeded. |
| KAPM05515-E | An attempt to restore has failed.<br>Output destinations: In window only. | An attempt to restore has failed.<br>Take action according to the message output in the window after command execution. |
| KAPM05516-E | The setup of the specified database is invalid.<br>Output destinations: In window only. | The setup of the specified database is invalid.<br>Make sure the setting for the key that the file DATABASE starts is correct.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\user.conf<br>Solaris or Linux: /opt/HiCommand/Base/conf/user.conf |
| KAPM05530-I | Backup of the database has started.<br>Output destinations: Destinations for output level 10, and windows. | Backup of the database has started. |
| KAPM05531-I | Backup of the database has ended.<br>Output destinations: Destinations for output level 10, and windows. | Backup of the database has ended. |
| KAPM05532-I | Restoration of the database has started.<br>Output destinations: Destinations for output level 10, and windows. | Restoration of the database has started. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05533-I | Restoration of the database has ended.<br>Output destinations: Destinations for output level 10, and windows. | Restoration of the database has ended. |
| KAPM05534-I | The database will now be backed up to file *aa...aa*.<br>*aa...aa*: Backup file<br>Output destinations: In window only. | The database will now be backed up to file *aa...aa*. |
| KAPM05535-I | The system area has been damaged. Do you want to recover the system? [y or n]<br>Output destinations: In window only. | The system area has been damaged. Please select whether to restore this system. Enter y (for yes) or n (for do not). |
| KAPM05536-I | Please press the Enter key.<br>Output destinations: In window only. | Please press the Enter key. |
| KAPM05537-I | Stop the HiRDB service before restoring the database.<br>Output destinations: In window only. | Stop the HiRDB service before restoring the database. |
| KAPM05538-I | Re-creation of the system area has started.<br>Output destinations: In window only. | Re-creation of the system area has started. |
| KAPM05539-I | Re-creation of the system area has ended.<br>Output destinations: In window only. | Re-creation of the system area has ended. |
| KAPM05540-I | Re-creation of the RD area has started.<br>Output destinations: In window only. | Re-creation of the RD area has started. |
| KAPM05541-I | Re-creation of the RD area has ended.<br>Output destinations: In window only. | Re-creation of the RD area has ended. |
| KAPM05544-E | An attempt to back up the database has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to back up the database has failed.<br>Make sure that the directory specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05545-E | An attempt to restore the database has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to restore the database has failed.<br>Make sure that the directory specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05546-W | The backed-up version is different from the version in the current environment.<br>Output destinations: Destinations for output level 10, and windows. | The backed-up version is different from the version in the current environment. |
| KAPM05547-I | Do you want to continue and restore the database?<br>Output destinations: Destinations for output level 10, and windows. | Do you want to continue and restore the database? |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05548-I | Restoration of the database will continue.<br>Output destinations: Destinations for output level 10, and windows. | Restoration of the database will continue. |
| KAPM05550-E | The option(s) specified is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option(s) specified is invalid.<br>Specify the option correctly. |
| KAPM05551-E | An attempt to execute the *aa...aa* command has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to execute the *aa...aa* command has failed.<br>Make sure that the command specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05552-E | HiRDB has not been installed.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB has not been installed.<br>Make sure that HiRDB has been installed. |
| KAPM05553-E | The RD area of the specified program type could not be found.<br>Output destinations: Destinations for output level 10. | The RD area of the specified program type could not be found.<br>Make sure that HiRDB has been set up. |
| KAPM05554-E | The file *aa...aa* could not be deleted.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | The file *aa...aa* could not be deleted. |
| KAPM05555-E | An attempt to set the environment variable has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to set the environment variable has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05556-E | An attempt to create the backup file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create the backup file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05557-E | An I/O error occurred.<br>Output destinations: Destinations for output level 10. | An I/O error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05558-E | An attempt to open the archive file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to open the archive file has failed.<br>Make sure that the file specification is correct. If it is correct but you still cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05559-E | The backup file format is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The backup file format is invalid.<br>Specify a valid backup file. |
| KAPM05560-E | The database location of the specified program type has not been created.<br>Output destinations: Destinations for output level 10, and windows. | The database location of the specified program type has not been created.<br>Make sure that the specified application is installed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05561-I | The database was backed up successfully.<br>Output destinations: syslog/Eventlog | The database was backed up successfully. |
| KAPM05562-E | An attempt to back up the database has failed.<br>Output destinations: syslog/Eventlog | An attempt to back up the database has failed. |
| KAPM05563-I | The database was completely restored.<br>Output destinations: syslog/Eventlog | The database was completely restored. |
| KAPM05564-E | An attempt to completely restore the database has failed.<br>Output destinations: syslog/Eventlog | An attempt to completely restore the database has failed. |
| KAPM05565-I | The database was partially restored.<br>Output destinations: syslog/Eventlog | The database was partially restored. |
| KAPM05566-E | An attempt to partially restore the database has failed.<br>Output destinations: syslog/Eventlog | An attempt to partially restore the database has failed. |
| KAPM05567-E | An exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05568-E | *aa...aa*:*bb...bb*<br>*aa...aa*: Command name<br>*bb...bb*: Message<br>Output destinations: Destinations for output level 10. | Message for debugging. |
| KAPM05569-E | *aa...aa*<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10. | Message for debugging. |
| KAPM05570-I | Processing ended normally.<br>Output destinations: Destinations for output level 10. | Processing ended normally. |
| KAPM05573-E | The option(s) specified is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option(s) specified is invalid.<br>Specify the option correctly. |
| KAPM05574-E | An attempt to execute the *aa...aa* command has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to execute the *aa...aa* command has failed.<br>Make sure that the command specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05575-E | HiRDB has not been installed.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB has not been installed.<br>Confirm that HiRDB has already installed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05576-E | The RD area of the specified program type could not be found.<br>Output destinations: Destinations for output level 10. | The RD area of the specified program type could not be found.<br>Confirm that HiRDB has already set up. |
| KAPM05577-E | An attempt to clear an HiRDB environment variable has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to clear an HiRDB environment variable has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05578-E | The database location of the specified program type has not been created.<br>Output destinations: Destinations for output level 10, and windows. | The database location of the specified program type has not been created.<br>Make sure that the specified application is installed. |
| KAPM05579-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05580-I | Re-creation of the database has started.<br>Output destinations: In window only. | Re-creation of the database has started. |
| KAPM05581-I | Re-creation of the database has ended.<br>Output destinations: In window only. | Re-creation of the database has ended. |
| KAPM05582-I | Unsetup of *aa...aa* has started.<br>*aa...aa*: Product name<br>Output destinations: In window only. | Unsetup of *aa...aa* has started. |
| KAPM05583-I | Unsetup of *aa...aa* has ended.<br>*aa...aa*: Product name<br>Output destinations: In window only. | Unsetup of *aa...aa* has ended. |
| KAPM05584-I | Setup of *aa...aa* has started.<br>*aa...aa*: Product name<br>Output destinations: In window only. | Setup of *aa...aa* has started. |
| KAPM05585-I | Setup of *aa...aa* has ended.<br>*aa...aa*: Product name<br>Output destinations: In window only. | Setup of *aa...aa* has ended. |
| KAPM05586-I | Execution of the *aa...aa* command has started.<br>*aa...aa*: Command name<br>Output destinations: In window only. | Execution of the *aa...aa* command has started. |
| KAPM05587-I | Execution of the *aa...aa* command ended normally.<br>*aa...aa*: Command name<br>Output destinations: In window only. | Execution of the *aa...aa* command ended normally. |
| KAPM05588-I | Backup of the parameter definition file has ended.<br>Output destinations: In window only. | Backup of the parameter definition file has ended. |
| KAPM05589-I | The backup file of the parameter definition file has been deleted.<br>Output destinations: In window only. | The backup file of the parameter definition file has been deleted. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05590-E | The option(s) specified is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option(s) specified is invalid.<br>Specify the option correctly. |
| KAPM05591-E | An attempt to execute the *aa...aa* command has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to execute the *aa...aa* command has failed.<br>Make sure that the command specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05592-E | HiRDB has not been set up.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB has not been set up.<br>Confirm that HiRDB has already set up. |
| KAPM05593-E | The *aa...aa* file was not found.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The *aa...aa* file was not found.<br>Make sure that HiRDB has been set up. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05594-E | The *aa...aa* file could not be read.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The *aa...aa* file could not be read.<br>Make sure that HiRDB has been set up. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05595-E | The *aa...aa* folder could not be deleted.<br>*aa...aa*: Folder name<br>Output destinations: Destinations for output level 10, and windows. | The *aa...aa* folder could not be deleted.<br>Collect maintenance information and contact the Support Center. |
| KAPM05596-E | An SQL exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An SQL exception occurred.<br>Check whether HiRDB is running. If it is, collect maintenance information, and contact the Support Center. |
| KAPM05597-E | An attempt to clear the HiRDB system environment variables has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to clear the HiRDB system environment variables has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05598-E | An exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05599-E | *aa...aa*:*bb...bb*<br>*aa...aa*: Command name<br>*bb...bb*: Message<br>Output destinations: Destinations for output level 10. | Collect maintenance information and contact the Support Center. |
| KAPM05601-I | The acquisition of HiRDB detail logs has started.<br>Output destinations: In window only. | The acquisition of HiRDB detail logs has started. |
| KAPM05602-I | The acquisition of HiRDB detail logs was successful.<br>Output destinations: In window only. | The acquisition of HiRDB detail logs was successful. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05603-I | The acquisition of the HiRDB RDAREA has started.<br>Output destinations: In window only. | The acquisition of the HiRDB RDAREA has started. |
| KAPM05604-I | The acquisition of the HiRDB RDAREA was successful.<br>Output destinations: In window only. | The acquisition of the HiRDB RDAREA was successful. |
| KAPM05605-I | The acquisition of the table data has started.<br>Output destinations: In window only. | The acquisition of the table data has started. |
| KAPM05606-I | The acquisition of the table data was successful.<br>Output destinations: In window only. | The acquisition of the table data was successful. |
| KAPM05607-E | The command *aa...aa* is executing in another process.<br>*aa...aa*: Command name<br>Output destinations: In window only. | The command is executing in another process.<br>After the command executing in the other process finishes, re-execute the command. |
| KAPM05608-E | The wait for the end of the command *aa...aa* has failed.<br>*aa...aa*: Command name<br>Output destinations: In window only. | The wait for the end of the command executing in another process has failed.<br>Re-execute the command. If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM05609-E | The command *aa...aa* timed out and ended.<br>*aa...aa*: Command name<br>Output destinations: In window only. | The command executing in another process timed out.<br>Re-execute the command. If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM05610-I | The specified product is a version for which registration data can be moved. (This was determined by comparing the versions of the specified product and the product to be installed.)<br>Output destinations: Destinations for output level 10. | The specified product is a version for which registration data can be moved. (This was determined by comparing the versions of the specified product and the product to be installed.) |
| KAPM05611-E | The specified product is a version for which registration data cannot be moved. (This was determined by comparing the versions of the specified product and the product to be installed.)<br>Output destinations: Destinations for output level 10. | The specified product is a version for which registration data cannot be moved. (This was determined by comparing the versions of the specified product and the product to be installed.)<br>Collect maintenance information and contact the Support Center. |
| KAPM05612-E | The version of the specified product could not be acquired. (product name = *aa...aa*)<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | An attempt to execute the version acquisition function has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05613-E | The format of the version number file for the specified product is invalid.<br>Output destinations: Destinations for output level 10. | The format of the version number file for the specified product is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05614-E | The specified product is not installed. (product name = *aa...aa*)<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10. | The product specified by the version check command is not installed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05615-E | An internal error occurred: *aa...aa*<br>*aa...aa*: Detailed message<br>Output destinations: Destinations for output level 10. | An internal error occurred. A detailed message to pinpoint the cause is displayed in the log.<br>Collect maintenance information and contact the Support Center. |
| KAPM05616-E | The number of specified options is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The number of options to specify in the version check function is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05617-E | The contents of the version file are invalid.<br>Output destinations: Destinations for output level 10. | The version number file contains characters that are not numbers.<br>Collect maintenance information and contact the Support Center. |
| KAPM05618-I | The hcmdsppcheck command has started.<br>Output destinations: Destinations for output level 10. | The version check function has started. |
| KAPM05619-I | The hcmdsppcheck command has ended.<br>Output destinations: Destinations for output level 10. | The version check function has ended. |
| KAPM05620-I | The hcmdsppvrs command was successful.<br>Output destinations: Destinations for output level 10. | The version acquisition function was successful. |
| KAPM05621-E | The hcmdsppvrs command failed.<br>Output destinations: Destinations for output level 10. | An attempt to execute the version acquisition function has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05622-E | Initialization of the log failed.<br>Output destinations: In window only. | Initialization of the log failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05623-E | An attempt to assign memory to store the log file path has failed.<br>Output destinations: In window only. | An attempt to assign memory to store the log file path has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05624-E | An attempt to acquire the installation path has failed.<br>Output destinations: In window only. | An attempt to acquire the installation path has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05625-E | The product names do not match.<br>Output destinations: Destinations for output level 10, and windows. | The product name specified by the version check function does not match the registered product name.<br>Collect maintenance information and contact the Support Center. |
| KAPM05626-E | The product name is not specified.<br>Output destinations: In window only. | The product name that must be specified by the version check function is not specified.<br>Collect maintenance information and contact the Support Center. |
| KAPM05627-E | There is no version number file.<br>Output destinations: Destinations for output level 10. | There is no version number file in the location specified by the version check function.<br>Collect maintenance information and contact the Support Center. |
| KAPM05628-I | A file already exists at the specified output destination.<br>Output destinations: Destinations for output level 10, and windows. | Upgrade permission file already exists. |
| KAPM05629-E | A folder already exists at the specified output destination.<br>Output destinations: Destinations for output level 10, and windows. | A folder already exists at the output destination specified by the version check function.<br>After deleting the output destination folder, re-execute the command, or specify an empty directory. |
| KAPM05630-E | There is no registry key for HBase.<br>Output destinations: In window only. | There is no registry key for Hitachi Storage Command Suite Common Component.<br>Collect maintenance information and contact the Support Center. |
| KAPM05640-I | The user ID and password were changed successfully.<br>Output destinations: Destinations for output level 10, and windows. | The specified user ID and password were changed successfully. |
| KAPM05641-I | There is no password file to reference.<br>Output destinations: Destinations for output level 10. | The password file that writes the user ID and password was not found. |
| KAPM05642-W | Neither the user ID nor the password was changed.<br>Output destinations: Destinations for output level 10, and windows. | The specified user ID and password are the same as before.<br>Specify a new (different) ID and password. |
| KAPM05643-E | The format of the password file is invalid.<br>Output destinations: Destinations for output level 10. | The password file might have been corrupted.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM05644-E | An attempt to change the user ID and password has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to change the specified user ID and password failed because an error occurred.<br>Check the preceding log. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05645-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | Please make sure the specification of the option is correct.<br>Specify the option correctly, and execute the command again. |
| KAPM05646-E | The specified argument contains an invalid character.<br>Output destinations: Destinations for output level 10, and windows. | An invalid character was specified in the option.<br>Enter valid characters only. |
| KAPM05647-E | An attempt to acquire the HiCommand Storage Command Suite Common Component installation path has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to acquire the Hitachi Storage Command Suite Common Component installation path has failed.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM05648-E | An attempt to initialize the log has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to initialize the log has failed.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM05649-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM05650-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM05654-E | An attempt to output the password file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred during processing to write to the password file.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM05655-E | The character string specified by the option is too long.<br>Output destinations: Destinations for output level 10, and windows. | The character string specified by the option exceeds the maximum number of characters.<br>Enter a character string that is within the maximum number of characters. |
| KAPM05656-E | The character string specified by the option is too short.<br>Output destinations: Destinations for output level 10, and windows. | The length of the character string specified by the option is less than the minimum number of characters. Enter a character string that is at least the minimum number of characters. |
| KAPM05657-I | The hcmdschangeaccount command has started.<br>Output destinations: Destinations for output level 10. | The hcmdschangeaccount command has started. |
| KAPM05658-I | The hcmdschangeaccount command has ended.<br>Output destinations: Destinations for output level 10. | The hcmdschangeaccount command has ended. |
| KAPM05659-E | The program product specified by the type option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The value specified for the type option is invalid.<br>Enter a correct value. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05660-E | The user ID specified by the newid option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The value specified for the newid option is invalid.<br>Enter a correct value. |
| KAPM05661-E | The password specified by the newpass option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The value specified for the newpass option is invalid.<br>Enter a correct value. |
| KAPM05662-E | An attempt to read the password file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred during processing to load the password file.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM05663-E | The specified user already exists.<br>Output destinations: Destinations for output level 10, and windows. | The specified user already exists.<br>Please execute it again after changing the user name. |
| KAPM05672-I | The memory size was changed successfully.<br>Output destinations: Destinations for output level 10, and windows. | The memory size was changed successfully. |
| KAPM05673-E | An attempt to change the memory size has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to change the memory size has failed.<br>Check the message output before or after this message, and take action appropriate to that message. |
| KAPM05674-E | A fatal error occurred during processing.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred during processing.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05675-E | The service is running.<br>Output destinations: Destinations for output level 10, and windows. | The service is running.<br>Stop the service, and then execute the command again. |
| KAPM05676-E | In a Windows x32 environment, the memory size cannot be changed to Large.<br>Output destinations: Destinations for output level 10, and windows. | In a Windows x32 environment, the memory size cannot be changed to Large.<br>Specify a valid option to execute the command. |
| KAPM05677-E | The parameter is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The parameter is invalid.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05678-I | The current memory size is *aa...aa*.<br>*aa...aa*: Memory size<br>Output destinations: Destinations for output level 10, and windows. | The current memory size is displayed. |
| KAPM05679-E | The current memory size is unknown.<br>Output destinations: Destinations for output level 10, and windows. | The current memory size is unknown.<br>Use the hcmdschgheap command to reset the memory size. |
| KAPM05680-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Specify a valid option, and then re-execute the command. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05681-E | An entered argument is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An entered argument is invalid.<br>Specify an appropriate argument. |
| KAPM05682-E | The specified options are insufficient.<br>Output destinations: Destinations for output level 10, and windows. | A necessary option is not specified.<br>Specify a valid option, and then try again. |
| KAPM05683-E | The value specified for an option is invalid. (option = *aa...aa*)<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10, and windows. | The value specified for an option is invalid. (option = aa...aa)<br>Check the value specified for the option. |
| KAPM05684-E | The specified value is invalid. (value = *aa...aa*)<br>*aa...aa*: Value<br>Output destinations: Destinations for output level 10, and windows. | The specified value is invalid. (value = aa...aa)<br>Specify an appropriate value. |
| KAPM05685-E | The hcmds.home value cannot be acquired.<br>Output destinations: Destinations for output level 10. | The hcmds.home value cannot be acquired.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05686-E | An attempt to load the file has failed. (file = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | An attempt to load the file has failed. (file = aa...aa)<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05687-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | Processing ended normally. |
| KAPM05688-E | Execution of the hcmdsweb command has failed.<br>Output destinations: Destinations for output level 10. | Execution of the hcmdsweb command has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05689-E | Execution of the hcmdsweb2 command has failed.<br>Output destinations: Destinations for output level 10. | Execution of the hcmdsweb2 command has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM05690-E | In Windows x86 version, you cannot specify Large.<br>Output destinations: Destinations for output level 10, and windows. | In Windows x86 version, you cannot specify Large.<br>Specify a valid option, and then re-execute the command. |
| KAPM05691-E | Command execution failed because services were running.<br>Output destinations: Destinations for output level 10, and windows. | Command execution failed because services were running.<br>Stop all Suite products, Single Sign On Server, and Common Web Service, and then re-execute the command. |
| KAPM05699-E | An exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05802-E | The option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option is invalid.<br>Specify the option correctly. |
| KAPM05803-E | The specified arguments are insufficient.<br>Output destinations: Destinations for output level 10, and windows. | The specified arguments are insufficient.<br>Specify the option correctly. |
| KAPM05804-E | The specified value of option is invalid. (Option = *aa...aa*)<br>*aa...aa*: Option name<br>Output destinations: Destinations for output level 10, and windows. | The specified value of option is invalid.<br>Check the specified value of the option. |
| KAPM05805-E | The specified directory cannot be created. (directory = *aa...aa*)<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The specified directory cannot be created.<br>Make sure that you have write permission for the directory. |
| KAPM05806-E | The specified directory name already existed as a file. (file = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The specified directory name already existed as a file.<br>Specify another directory name. |
| KAPM05807-E | The specified value is invalid. (value = *aa...aa*)<br>*aa...aa*: Specified value<br>Output destinations: Destinations for output level 10, and windows. | The specified value is invalid.<br>Specify a valid value. |
| KAPM05808-E | The file *aa...aa* does not exist.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file *aa...aa* does not exist.<br>Make sure that the file specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05809-E | The directory *aa...aa* does not exist.<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The directory *aa...aa* does not exist.<br>Make sure that the directory specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM05810-E | The file *aa...aa* already exists.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file *aa...aa* already exists.<br>Delete the file, or move to another directory. |
| KAPM05811-E | Command *aa...aa* returns value *bb...bb*. The error message is *cc...cc*.<br>*aa...aa*: Command name<br>*bb...bb*: Return code<br>*cc...cc*: Error message<br>Output destinations: Destinations for output level 10, and windows. | Command *aa...aa* returns value *bb...bb*. The error message is *cc...cc*.<br>Check the specified value of the option. If you cannot solve the problem, collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05812-I | Processing ended normally.<br>Output destinations: In window only. | Processing ended normally. |
| KAPM05813-E | An IOException occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | An IOException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05814-E | An exception occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05815-E | A NullPointerException occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | A NullPointerException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05816-E | An error occurred while executing the hcmdsauthmode command.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred while executing the hcmdsauthmode command.<br>Collect maintenance information and contact the Support Center. |
| KAPM05817-E | There is no RD area in the system.<br>Output destinations: Destinations for output level 10, and windows. | There is no RD area in the system.<br>Make sure that the Hitachi Storage Command Suite product has been installed. |
| KAPM05818-I | The hcmdsauthmove command has started.<br>Output destinations: In window only. | The hcmdsauthmove command has started. |
| KAPM05819-I | Processing to import data has started.<br>Output destinations: Destinations for output level 10, and windows. | Processing to import data has started. |
| KAPM05820-I | Processing to import data has ended.<br>Output destinations: Destinations for output level 10, and windows. | Processing to import data has ended. |
| KAPM05821-I | Processing to export data has started.<br>Output destinations: Destinations for output level 10, and windows. | Processing to export data has started. |
| KAPM05822-I | Processing to export data has ended.<br>Output destinations: Destinations for output level 10, and windows. | Processing to export data has ended. |
| KAPM05823-E | HiRDB has not started.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB has not started.<br>Start HiRDB. |
| KAPM05824-E | The directory *aa...aa* already exists.<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The directory *aa...aa* already exists.<br>Specify another directory. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05825-E | An HSSOException occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | An HSSOException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05826-E | A CIMException occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | A CIMException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05827-E | The specified directory is not empty. (directory name = *aa...aa*)<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The specified directory is not empty.<br>Specify an empty directory. |
| KAPM05828-E | An attempt to execute the hcmdsauthmove command has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to execute the hcmdsauthmove command has failed.<br>See the message KAPMxxxxx-E. |
| KAPM05829-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05830-E | An attempt to establish a connection has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to establish a connection has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05831-E | An attempt to execute SQL has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to execute SQL has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05832-I | The authentication data was backed up successfully.<br>Output destinations: syslog/Eventlog | The authentication data was backed up successfully. |
| KAPM05833-E | An attempt to back up the authentication data has failed.<br>Output destinations: syslog/Eventlog | An attempt to back up the authentication data has failed. |
| KAPM05834-I | The authentication data was restored successfully.<br>Output destinations: syslog/Eventlog | The authentication data was restored successfully. |
| KAPM05835-E | An attempt to restore the authentication data has failed.<br>Output destinations: syslog/Eventlog | An attempt to restore the authentication data has failed. |
| KAPM05836-E | An attempt to acquire the physical table name has failed. (table name = *aa...aa*)<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | The physical table name was not requested from the logical table name.<br>Make sure the DBMS has started, and then re-execute. If you cannot solve the problem, collect the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05837-W | The column data exceeds 80 characters. (column data = *aa...aa*)<br>*aa...aa*: Column data<br>Output destinations: Destinations for output level 10. | The column data of the TNB_AccountUser table could not be reduced to within 80 characters. |
| KAPM05838-E | An attempt to execute the SQL has failed. (SQL = *aa...aa*, error code = *bb...bb*)<br>*aa...aa*: Executed SQL statement<br>*bb...bb*: Error code<br>Output destinations: Destinations for output level 10. | An attempt to execute the SQL has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05840-E | The option is invalid.<br>Output destinations: In window only. | The option is invalid.<br>Specify correct options, and then re-execute the command. |
| KAPM05841-E | The option is invalid. Code = [*aa...aa*], Data = [*bb...bb*]<br>*aa...aa*: Generated code<br>*bb...bb*: Generated option and value<br>Output destinations: Destinations for output level 10. | The option is invalid.<br>Specify correct options, and then re-execute the command. |
| KAPM05842-I | hcmdsbanner [*aa...aa*]{,[*bb...bb*],.....[.....]}<br>*aa...aa*: Command line argument<br>*bb...bb*: Command line argument<br>Output destinations: Destinations for output level 10. | The options specified for the command will be displayed. |
| KAPM05843-E | The message file does not exist.<br>Output destinations: Destinations for output level 10, and windows. | The message file specified in the "file" option does not exist.<br>Please specify the correct file, and then execute the command. |
| KAPM05844-E | The path specified for the message file is not a file.<br>Output destinations: Destinations for output level 10, and windows. | The path of the message file specified in the "file" option is not a file.<br>Please specify the correct file, and then execute the command. |
| KAPM05845-E | The message exceeded 1000 characters.<br>Output destinations: Destinations for output level 10, and windows. | The message of the message file specified in the "file" option exceeded 1,000 characters.<br>Please keep the message to 1,000 characters or less. |
| KAPM05846-E | The path specified in the *aa...aa* option is not an absolute path.<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10. | The path specified in the *aa...aa* option is not an absolute path.<br>Specify the absolute path, then retry. |
| KAPM05850-E | An attempt to set the banner message display has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to set the banner message has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05851-E | An attempt to set the banner message display has failed. File = [*aa...aa*], Code = [*bb...bb*]<br>*aa...aa*: File or directory<br>*bb...bb*: Generated code<br>Output destinations: Destinations for output level 10. | An attempt to set the banner message has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05852-I | Setting of the banner message display has been completed.<br>Output destinations: Destinations for output level 10, and windows. | The setting of the banner message has been completed. |
| KAPM05860-W | The banner message display has already been cancelled.<br>Output destinations: Destinations for output level 10, and windows. | The banner message has already been deleted. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05861-E | An attempt to cancel the banner message display has failed.<br>Output destinations: In window only. | An attempt to delete the banner message has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05862-E | An attempt to cancel the banner message display has failed. File = [*aa...aa*], Code = [*bb...bb*]<br>*aa...aa*: File or directory<br>*bb...bb*: Generated code<br>Output destinations: Destinations for output level 10. | An attempt to delete the banner message has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05863-I | Cancellation of the banner message display has been completed.<br>Output destinations: Destinations for output level 10, and windows. | The banner message has been released. |
| KAPM05876-E | A fatal error occurred during processing.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred during processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM05879-E | *aa...aa*<br>*aa...aa*: Information for debugging<br>Output destinations: Destinations for output level 10. | Information for debugging. |
| KAPM05880-E | The value of EXCurrentVersion is invalid.<br>Output destinations: Destinations for output level 10. | The value of EXCurrentVersion is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05881-E | EXCurrentVersion does not exist.<br>Output destinations: Destinations for output level 10. | EXCurrentVersion does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM05882-E | The registry key that must be acquired does not exist.<br>Output destinations: Destinations for output level 10. | The registry key that must be acquired does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM05883-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10. | A fatal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05884-E | The version management file is invalid<br>Output destinations: Destinations for output level 10. | The version management file is invalid<br>Collect maintenance information and contact the Support Center. |
| KAPM05885-E | The version management file that must be acquired does not exist.<br>Output destinations: Destinations for output level 10. | The version management file that must be acquired does not exist.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05886-E | An attempt to acquire the version has failed.<br>Output destinations: In window only. | An attempt to acquire the version has failed.<br>Please make sure the product has been correctly installed.<br>If it has been correctly installed, acquire the maintenance information, and then contact the Support Center. |
| KAPM05887-I | The hcmdsvrsutil utility was successful.<br>Output destinations: Destinations for output level 10. | The processing of the version acquisition function was succeeded. |
| KAPM05890-I | The hcmdsbasevrs command was successful.<br>Output destinations: Destinations for output level 10. | The version display function was successful. |
| KAPM05891-E | The sub-key that shows the version does not exist.<br>Output destinations: Destinations for output level 10. | The sub-key that shows the version does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM05892-I | The hcmdsbasevrs command has started.<br>Output destinations: Destinations for output level 10. | The version display function has started. |
| KAPM05893-I | The hcmdsbasevrs command has ended.<br>Output destinations: Destinations for output level 10. | The version display function has ended. |
| KAPM05894-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10. | A fatal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05895-E | The registry key that must be acquired does not exist.<br>Output destinations: Destinations for output level 10. | The registry key that must be acquired does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM05896-E | Initialization of the log failed.<br>Output destinations: In window only. | Initialization of the log failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05897-E | An attempt to acquire the installation path has failed.<br>Output destinations: In window only. | An attempt to acquire the installation path has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05898-E | An attempt to create the log file path has failed.<br>Output destinations: In window only. | An attempt to create the log file path has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05899-E | There is no registry key for HBase.<br>Output destinations: In window only. | There is no registry key for Hitachi Storage Command Suite Common Component.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05900-I | The hcmdsdbtrans command has started.<br>Output destinations: Destinations for output level 10, and windows. | The hcmdsdbtrans command has started. |
| KAPM05901-I | The hcmdsdbtrans command ended normally.<br>Output destinations: Destinations for output level 10, and windows. | The hcmdsdbtrans command ended normally. |
| KAPM05902-E | An option is invalid.<br>Output destinations: In window only. | An option is invalid.<br>Specify correct options, and then re-execute the command. |
| KAPM05903-E | An option is invalid. Code=[*aa...aa*], Data=[*bb...bb*]<br>*aa...aa*: Code indicating generation location<br>*bb...bb*: Generated option and value<br>Output destinations: Destinations for output level 10. | An option is invalid.<br>Specify correct options, and then re-execute the command. |
| KAPM05904-I | hcmdsdbtrans [*aa...aa*]{,[*bb...bb*],.....[.....]}<br>*aa...aa*: Command line argument<br>*bb...bb*: Command line argument<br>Output destinations: Destinations for output level 10. | The options specified for the command are displayed. |
| KAPM05905-E | The path specified in the *aa...aa* option is not an absolute path.<br>*aa...aa*: Option<br>Output destinations: Destinations for output level 10. | The path specified in the *aa...aa* option is not an absolute path.<br>Specify the absolute path, then retry. |
| KAPM05909-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05910-E | An attempt to acquire the version of *aa...aa* has failed.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to acquire the version of the installed *aa...aa* failed.<br>Make sure that the products have been properly installed, and if necessary, take actions to satisfy this condition. If an error still occurs after taking the above actions, collect maintenance information, and then contact Customer Support. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05911-E | *aa...aa* is a version that cannot be registered.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | The *aa...aa* data in the registration data cannot be registered because the data cannot be used with the installed *aa...aa* version.<br>Change the installed *aa...aa* version to the version used when the registration data was created, or to a version for which the registration data can be moved.<br>If operation is possible without registering the *aa...aa* data, exclude this data and register the data for the other products. |
| KAPM05912-I | *aa...aa* cannot be registered because it is not installed.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | *aa...aa* cannot be registered because it is not installed.<br>If the *aa...aa* data is necessary, install *aa...aa*, and then re-execute the command. |
| KAPM05913-E | Processing to register *aa...aa* will stop because it is not installed.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | Processing to register data will stop because *aa...aa,* specified in the type option, is not installed.<br>If registration of *aa...aa* is necessary, install *aa...aa* and then re-execute the command.<br>If operation is possible without registering the *aa...aa* data, exclude this data and register the data for the other products. |
| KAPM05914-E | Processing to register *aa...aa* will stop because it is not in the registration data.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | Processing to register data will stop because *aa...aa*, specified in the type option, is not in the registration data.<br>Use the type option to specify only the products that are included in the archive file or in the directory specified by the workpath option. |
| KAPM05915-E | An attempt was made to register primary server data into the secondary server.<br>Output destinations: Destinations for output level 10, and windows. | An attempt was made to register primary server data into the secondary server.<br>Check the data to be imported. |
| KAPM05916-E | An attempt was made to register secondary server data into the primary server.<br>Output destinations: Destinations for output level 10, and windows. | An attempt was made to register secondary server data into the primary server.<br>Check the data to be imported and the setting of the server to which the data is to be imported. |
| KAPM05920-E | The archive file specification is incorrect.<br>Output destinations: Destinations for output level 10, and windows. | The archive file name specified in the file option is incorrect.<br>Revise the path specified in the command option. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05921-E | An attempt to extract the archive file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to extract the archive file specified in the file option has failed.<br>Make sure the following conditions are satisfied, and if necessary, take actions to satisfy them:<br>▪ The capacity of the disk used for the directory specified by the workpath option is sufficient.<br>▪ The archive file is for the hcmdsdbtrans command.<br>If an error still occurs after taking the above actions, collect maintenance information, and then contact Customer Support. |
| KAPM05922-E | An attempt to create an archive file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to create an archive file has failed.<br>Make sure that you secure sufficient space in the disk that is to store the archive file. If an error still occurs even after securing the disk space, collect maintenance information, and then contact Customer Support. |
| KAPM05923-E | An archive file cannot be created because the data exceeds 2 GB.<br>Output destinations: Destinations for output level 10, and windows. | An archive file cannot be created because the data exceeds 2 GB.<br>Instead of the archive file, transfer the data stored in the directory specified by the workpath option to the migration destination server. |
| KAPM05924-E | The work directory specification is incorrect.<br>Output destinations: Destinations for output level 10, and windows. | The work directory specification is incorrect.<br>Revise the path specified in the workpath option. |
| KAPM05925-E | The work directory is not empty.<br>Output destinations: Destinations for output level 10, and windows. | The work directory is not empty.<br>Specify an empty directory or uncreated directory as the work directory. |
| KAPM05926-E | The format of the registration data in the work directory is incorrect.<br>Output destinations: Destinations for output level 10, and windows. | A file or directory required by the hcmdsdbtrans command is not in the work directory specified by the workpath option.<br>▪ When the file option is specified<br>Check whether the specified file is the archive file for the hcmdsdbtrans command.<br>▪ When the file option is not specified<br>Check whether all the contents of the directory specified by the workpath option when exporting are stored in the directory specified by the workpath option.<br>If an error still occurs after taking the above actions, collect maintenance information, and then contact Customer Support. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05927-E | DBMS is not running.<br>Output destinations: Destinations for output level 10, and windows. | Data I/O cannot be performed because the DBMS is not running.<br>Start the DBMS by using the hcmdsdbsrv command. |
| KAPM05928-E | DBMS is not set up.<br>Output destinations: Destinations for output level 10, and windows. | Data I/O cannot be performed because the DBMS is not set up.<br>Make sure the installation status of the product is correct. |
| KAPM05929-W | An attempt to delete the work directory has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to delete a file or directory made in the work directory has failed.<br>Please delete the work directory. |
| KAPM05930-I | *aa...aa* will now be exported.<br>*aa...aa*: "The application data" or "The authentication data"<br>Output destinations: Destinations for output level 10, and windows. | *aa...aa* will now be exported. |
| KAPM05931-I | *aa...aa* has been exported.<br>*aa...aa*: "The application data" or "The authentication data"<br>Output destinations: Destinations for output level 10, and windows. | *aa...aa* has been exported. |
| KAPM05932-I | *aa...aa* has been deleted from the authentication data.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | *aa...aa* has been deleted from the authentication data. |
| KAPM05933-I | The archive file will now be created.<br>Output destinations: Destinations for output level 10, and windows. | The archive file will now be created. |
| KAPM05934-I | The archive file has been created.<br>Output destinations: Destinations for output level 10, and windows. | The archive file has been created. |
| KAPM05935-I | The archive file will now be extracted.<br>Output destinations: Destinations for output level 10, and windows. | The archive file will now be extracted. |
| KAPM05936-I | The archive file has been extracted.<br>Output destinations: Destinations for output level 10, and windows. | The archive file has been extracted. |
| KAPM05937-I | *aa...aa* will now be imported.<br>*aa...aa*: "The application data" or "The authentication data"<br>Output destinations: Destinations for output level 10, and windows. | *aa...aa* will now be imported. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05938-I | *aa...aa* has been imported.<br>*aa...aa*: "The application data" or "The authentication data"<br>Output destinations: Destinations for output level 10, and windows. | *aa...aa* has been imported. |
| KAPM05939-E | *aa...aa*<br>*aa...aa*: Details from the time of the error<br>Output destinations: Destinations for output level 10. | See the preceding detailed error message.<br>Take action according to the preceding message. |
| KAPM05950-E | The specified product is not supported.<br>Output destinations: In window only. | The product specified by the version acquisition function is not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM05951-E | The sub-key that shows the version does not exist.<br>Output destinations: In window only. | There is no sub-key that indicates the version.<br>Please make sure the product has been correctly installed.<br>If it has been correctly installed, acquire the maintenance information, and then contact the Support Center. |
| KAPM05952-E | The specified product is not installed.<br>Output destinations: Destinations for output level 10, and windows. | The product specified by the version acquisition function is not installed.<br>Please install the product specified by the option. |
| KAPM05953-I | The processing of the hcmdsvrsutil library succeeded.<br>Output destinations: Destinations for output level 10. | The processing of the version acquisition function succeeded. |
| KAPM05954-E | The product name is not specified.<br>Output destinations: In window only. | The product name is not specified.<br>Please specify the product name, and then re-execute the command. |
| KAPM05955-E | The product names do not match.<br>Output destinations: Destinations for output level 10, and windows. | The product names do not match.<br>Please specify the correct product name, and then re-execute the command. |
| KAPM05956-E | The processing of the hcmdsvrsutil library failed.<br>Output destinations: Destinations for output level 10, and windows. | The processing of the version acquisition function failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05957-E | There is no registry key for the specified product.<br>Output destinations: Destinations for output level 10, and windows. | There is no registry key for the product specified by the version acquisition function.<br>Please make sure the product has been correctly installed.<br>If it has been correctly installed, acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05958-E | An attempt to acquire the sub-key that shows the version of the specified product has failed.<br>Output destinations: In window only. | There is no sub-key that indicates the version of the product specified by the version acquisition function.<br>Please make sure the product has been correctly installed.<br>If it has been correctly installed, acquire the maintenance information, and then contact the Support Center. |
| KAPM05959-E | The file that stores the installation path is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The file that stores the installation path is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05970-I | The hcmdsppvrs command was successful.<br>Output destinations: Destinations for output level 10. | The version acquisition function was successful. |
| KAPM05971-E | The specified product is not installed. (product name = *aa...aa*)<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | The product specified by the version acquisition function is not installed.<br>Please install the specified product. |
| KAPM05972-E | An attempt to acquire version information for the specified product has failed.<br>Output destinations: Destinations for output level 10, and windows. | The version of the product specified by the version acquisition function could not be acquired.<br>Please make sure the product has been correctly installed.<br>If it has been correctly installed, acquire the maintenance information, and then contact the Support Center. |
| KAPM05973-I | The hcmdsppvrs command has started.<br>Output destinations: Destinations for output level 10. | The version acquisition function started. |
| KAPM05974-I | The hcmdsppvrs command has ended.<br>Output destinations: Destinations for output level 10. | The version acquisition function ended. |
| KAPM05975-E | A fatal error occurred.<br>Output destinations: In window only. | A fatal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM05976-E | Log initialization failed.<br>Output destinations: In window only. | Initialization of the log failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05977-E | Initialization of the installation path has failed.<br>Output destinations: In window only. | Initialization of the installation path failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05978-E | An attempt to assign memory to store the log file path has failed.<br>Output destinations: In window only. | An attempt to assign memory to store the log file path has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05979-E | The number of specified options is invalid.<br>Output destinations: Destinations for output level 10. | The number of options specified by the version acquisition function is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM05980-E | A file already exists at the specified output destination.<br>Output destinations: Destinations for output level 10. | The file already exists at the output destination specified by the version acquisition function.<br>Collect maintenance information and contact the Support Center. |
| KAPM05981-E | A folder already exists at the specified output destination.<br>Output destinations: Destinations for output level 10. | The folder already exists at the output destination specified by the version acquisition function.<br>Collect maintenance information and contact the Support Center. |
| KAPM05982-E | The file-creation function failed.<br>Output destinations: Destinations for output level 10. | The function that creates the file for writing the version value failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05983-E | The file-writing function failed.<br>Output destinations: Destinations for output level 10. | The function that writes the version value to the file failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05984-I | The version was successfully acquired. (product name = *aa...aa*, version = *bb...bb*)<br>*aa...aa*: Product name<br>*bb...bb*: Version<br>Output destinations: Destinations for output level 10, and windows. | The version acquisition was successful. |
| KAPM05985-E | An attempt to acquire the version has failed. (product name = *aa...aa*)<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to acquire the version has failed.<br>Please make sure the product has been correctly installed.<br>If it has been correctly installed, acquire the maintenance information, and then contact the Support Center. |
| KAPM05986-E | A fatal error occurred: *aa...aa*<br>*aa...aa*: Detailed message<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred. A detailed message showing the cause is output.<br>Make sure the specified product is supported. If it is supported, the specified product name might be incorrect; so enter the correct product name, and then re-execute the command. |
| KAPM05987-I | The processing of the hcmdsvrsutil library succeeded.<br>Output destinations: Destinations for output level 10. | The processing of the version acquisition function succeeded. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM05988-E | The processing of the hcmdsvrsutil library failed. (RTN = *aa...aa*, message = *bb...bb*)<br>*aa...aa*: Version acquisition function return code<br>*bb...bb*: Version acquisition function error message<br>Output destinations: Destinations for output level 10. | The processing of the version acquisition function failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM05999-E | Fatal error.<br>Output destinations: Destinations for output level 0. | Fatal error.<br>Collect maintenance information and contact the Support Center. |
| KAPM06001-I | Updating of the database has started.<br>Output destinations: Destinations for output level 10. | Updating of the database has started. |
| KAPM06002-I | The database was updated from 01-00 to 01-01.<br>Output destinations: Destinations for output level 10. | The database was updated from 01-00 to 01-01. |
| KAPM06003-I | The database need not be updated to 01-01.<br>Output destinations: Destinations for output level 10. | The database does not need to be updated to 01-01. |
| KAPM06004-I | The database updating from 01-01 to 03-00 has started.<br>Output destinations: Destinations for output level 10. | The database updating from 01-01 to 03-00 has started. |
| KAPM06005-I | The database was updated from 01-01 to 03-00.<br>Output destinations: Destinations for output level 10. | The database was updated from 01-01 to 03-00. |
| KAPM06006-I | The database need not be updated to 03-00.<br>Output destinations: Destinations for output level 10. | The database does not need updating to 03-00. |
| KAPM06007-I | The database is already updated.<br>Output destinations: Destinations for output level 10. | The database is already updated. |
| KAPM06008-E | Updating of the database abnormally ended.<br>Output destinations: Destinations for output level 10. | Updating of the database has abnormally ended.<br>Collect maintenance information and contact the Support Center. |
| KAPM06009-I | Updating of the database has ended.<br>Output destinations: Destinations for output level 0. | Updating of the database has ended. |
| KAPM06010-E | An attempt to backup of the database has failed.<br>Output destinations: Destinations for output level 10. | An attempt to backup the database has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06011-E | An attempt to restore of the database has failed.<br>Output destinations: Destinations for output level 10. | An attempt to restore the database has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06012-I | The database does not need to be updated to *aa...aa*.<br>*aa...aa*: Version<br>Output destinations: Destinations for output level 10. | The database does not need to be updated to *aa...aa*. |
| KAPM06013-I | The database has been updated from *aa...aa* to *bb...bb*.<br>*aa...aa*: Old version<br>*bb...bb*: New version<br>Output destinations: Destinations for output level 10. | The database has been updated from *aa...aa* to *bb...bb*. |
| KAPM06015-E | An attempt to change the database meta definition has failed.<br>Output destinations: Destinations for output level 10. | An attempt to change the database meta definition has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06016-E | The version of the database to be upgraded is unknown.<br>Output destinations: Destinations for output level 10. | The version of the database to be upgraded is unknown.<br>Collect maintenance information and contact the Support Center. |
| KAPM06017-E | The current database version could not be obtained.<br>Output destinations: Destinations for output level 10. | The current database version could not be obtained.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06018-E | An attempt to acquire the connection has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the connection has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06019-E | An attempt to set up the auto-commit function has failed.<br>Output destinations: Destinations for output level 10. | An attempt to set up the auto-commit function has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06020-E | An attempt to create the lock table has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create the lock table has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06021-E | An attempt to lock the table has failed.<br>Output destinations: Destinations for output level 10. | An attempt to lock the table has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06022-E | An attempt to execute SQL has failed.<br>Output destinations: Destinations for output level 10. | An attempt to execute SQL has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06023-E | An attempt to update the version of the database version table has failed.<br>Output destinations: Destinations for output level 10. | An attempt to update the version of the database version table has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06024-E | An error occurred during an attempt to read a file.<br>Output destinations: Destinations for output level 10. | An error occurred during an attempt to read a file.<br>Collect maintenance information and contact the Support Center. |
| KAPM06025-E | An attempt to acquire the database version has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the database version has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06026-E | An attempt to upgrade the database has failed.<br>Output destinations: Destinations for output level 10. | An attempt to upgrade the database has failed.<br>Confirm that InterBase has started. If it has started, collect maintenance information, and contact the Support Center. |
| KAPM06027-I | The database was successfully updated.<br>Output destinations: Destinations for output level 10. | The database was successfully updated. |
| KAPM06028-E | An attempt to set up the environment has failed. (system property name = *aa...aa*)<br>*aa...aa*: System property name<br>Output destinations: Destinations for output level 10. | An attempt to set up the environment has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06029-E | Database is not running.<br>Output destinations: Destinations for output level 10. | The DBMS is not running.<br>Please start HiRDB. |
| KAPM06030-E | Disk capacity is insufficient.<br>Output destinations: Destinations for output level 10. | Disk capacity is insufficient.<br>Restore the repository from the backup file, increase the database capacity, and then re-execute. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06031-E | An attempt to upgrade the database has failed.<br>Output destinations: Destinations for output level 0. | An attempt to upgrade the database has failed.<br>Restore the repository from the backup file, and then re-execute. If the problem cannot be resolved even after re-execution, collect maintenance information and contact the Support Center. |
| KAPM06032-E | An attempt to acquire the database version has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the database version has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06033-E | The current database version is incorrect.<br>Output destinations: Destinations for output level 10. | The current database version is incorrect.<br>Collect maintenance information and contact the Support Center. |
| KAPM06034-E | Exclusion control of a TNB_DBVersion table has failed.<br>Output destinations: Destinations for output level 10. | Exclusion control of a TNB_DBVersion table has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06035-E | The access class of a database could not be found.<br>Output destinations: Destinations for output level 10. | The access class of a database could not be found.<br>Collect maintenance information and contact the Support Center. |
| KAPM06036-E | Access of a database has failed.<br>Output destinations: Destinations for output level 10. | Access of a database has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06037-I | The database has been update from version *aa...aa* to *bb...bb*.<br>*aa...aa*: version<br>*bb...bb*: version<br>Output destinations: Destinations for output level 10. | The database has been update from version *aa...aa* to *bb...bb*. |
| KAPM06038-E | An attempt to acquire the user names of users who access the database has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the user names of users who access the database has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06039-E | The version of the target database is unknown.<br>Output destinations: Destinations for output level 10. | The version of the target database is unknown.<br>Collect maintenance information and contact the Support Center. |
| KAPM06040-E | An unexpected error occurred.<br>Output destinations: Destinations for output level 10. | An unexpected error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06041-E | An attempt to clear an HiRDB environment variable has failed.<br>Output destinations: Destinations for output level 10. | An attempt to clear an HiRDB environment variable has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06042-W | The SQL will be disregarded. (SQL = *aa...aa*, error code = *bb...bb*)<br>*aa...aa*: Executed SQL statement<br>*bb...bb*: Error code<br>Output destinations: Destinations for output level 10. | This message is displayed when the executed SQL statement is to be disregarded during processing to upgrade the database version. |
| KAPM06043-E | An attempt to perform a rollback has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed when an attempt to perform a rollback during processing to upgrade the database version has failed.<br>Make sure the DBMS has started, and then re-execute. If you cannot solve the problem, collect the maintenance information, and then contact the Support Center. |
| KAPM06044-E | The version upgrade definition file is invalid.<br>Output destinations: Destinations for output level 10. | The version upgrade definition file is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM06045-I | The SQL will now be executed. (SQL = *aa...aa*)<br>*aa...aa*: SQL statement<br>Output destinations: Destinations for output level 10. | This message is displayed when the SQL statement is to be executed during processing to upgrade the database version. |
| KAPM06046-I | Processing to upgrade the database version started. (version = *aa...aa*)<br>*aa...aa*: Database version<br>Output destinations: Destinations for output level 10. | Processing to upgrade the database version started. |
| KAPM06047-I | Processing to upgrade the database version ended. (version = *aa...aa*)<br>*aa...aa*: Database version<br>Output destinations: Destinations for output level 10. | Processing to upgrade the database version ended. |
| KAPM06048-E | An attempt to execute the SQL has failed. (SQL = *aa...aa*, error code = *bb...bb*)<br>*aa...aa*: Executed SQL statement<br>*bb...bb*: Error code<br>Output destinations: Destinations for output level 10. | This message is displayed when an attempt to execute the SQL during processing to upgrade the database version has failed.<br>Make sure the DBMS has started, and then re-execute. If you cannot solve the problem, collect the maintenance information, and then contact the Support Center. |
| KAPM06049-E | The RD area of HBase is blocked.<br>Output destinations: Destinations for output level 10. | The RD area of HBase is blocked.<br>Remove the cause of the HiRDB blockage, and then try again. |
| KAPM06100-I | The hcmdschgurl command started.<br>Output destinations: Destinations for output level 10. | The hcmdschgurl command started. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06101-I | The hcmdschgurl command successfully ended.<br>Output destinations: Destinations for output level 10. | The hcmdschgurl command successfully ended. |
| KAPM06102-E | The hcmdschgurl command abnormally ended.<br>Output destinations: Destinations for output level 10. | The hcmdschgurl command abnormally ended.<br>Collect maintenance information and contact the Support Center. |
| KAPM06103-I | An attempt to back up the database has succeeded.<br>Output destinations: Destinations for output level 10. | An attempt to back up the database has succeeded. |
| KAPM06104-E | An attempt to back up the database has failed.<br>Output destinations: Destinations for output level 10. | An attempt to back up the database has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06105-I | An attempt to restore the database has succeeded.<br>Output destinations: Destinations for output level 10. | An attempt to restore the database has succeeded. |
| KAPM06106-E | An attempt to restore the database has failed.<br>Output destinations: Destinations for output level 10. | An attempt to restore the database has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06111-I | The URL was changed from "*aa...aa*" to "*bb...bb*".<br>*aa...aa*: Old URL<br>*bb...bb*: New URL<br>Output destinations: Destinations for output level 10, and windows. | The URL was changed from "*aa...aa*" to "*bb...bb*". |
| KAPM06112-E | The specified URL before the change is invalid. URL = "*aa...aa*"<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 10, and windows. | The specified URL before the change is invalid.<br>Confirm that the URL is valid. |
| KAPM06113-E | The specified URL after the change is invalid. URL = "*aa...aa*"<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 10, and windows. | The specified URL after the change is invalid.<br>Confirm that the URL is valid. |
| KAPM06114-E | An attempt to connect to the database has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to connect to the database has failed.<br>Confirm that the InterBase or the InterClient service is running. |
| KAPM06115-E | An option is invalid.<br>Output destinations: Destinations for output level 10. | An option is invalid.<br>Confirm that the option is valid. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06116-E | CIMException occurred. Description = "*aa...aa*"<br>*aa...aa*: Error details<br>Output destinations: Destinations for output level 10. | CIMException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06117-E | An unexpected error occurred. Description = "*aa...aa*"<br>*aa...aa*: Error details<br>Output destinations: Destinations for output level 0, and windows. | An unexpected error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06118-E | The BaseURL column does not exist in the class. class name = "*aa...aa*"<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 10. | The BaseURL column does not exist in the class.<br>Collect maintenance information and contact the Support Center. |
| KAPM06119-W | The specified URL does not exist in the class. URL = "*aa...aa*"<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 10, and windows. | The specified URL does not exist in the class.<br>Confirm that the URL is valid. |
| KAPM06120-I | The URL is not registered.<br>Output destinations: Destinations for output level 10, and windows. | The URL is not registered. |
| KAPM06121-E | IllegalDataException occurred. Description = "*aa...aa*"<br>*aa...aa*: Details<br>Output destinations: Destinations for output level 0, and windows. | IllegalDataException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06122-W | The specified URL before the change and after the change are same.<br>Output destinations: Destinations for output level 10, and windows. | The specified URL before the change and after the change are same.<br>Confirm that the URL is valid. |
| KAPM06123-W | The program product specified by the type option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The value specified for the type option is invalid.<br>Enter a correct value. |
| KAPM06130-I | The hcmdsinitsetup command has started.<br>Output destinations: Destinations for output level 10. | The hcmdsinitsetup command has started. |
| KAPM06131-I | The hcmdsinitsetup command was successful.<br>Output destinations: Destinations for output level 10. | The hcmdsinitsetup command was successful. |
| KAPM06132-E | The hcmdsinitsetup command has failed.<br>Output destinations: Destinations for output level 10. | The hcmdsinitsetup command has failed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06138-E | A required database path is missing.<br>Output destinations: Destinations for output level 10. | A required database path is missing. |
| KAPM06139-E | An error occurred during a parameter check.<br>Output destinations: Destinations for output level 10. | An error occurred during a parameter check. |
| KAPM06140-E | Memory is insufficient.<br>Output destinations: Destinations for output level 10. | Memory is insufficient.<br>Check the memory capacity for the operation environment. If necessary, increase the memory. |
| KAPM06141-E | The HiRDB environment already exists.<br>Output destinations: Destinations for output level 10. | The HiRDB environment already exists.<br>Collect maintenance information and contact the Support Center. |
| KAPM06142-E | Free disk space is insufficient.<br>Output destinations: Destinations for output level 10. | Free disk space is insufficient.<br>Check the disk capacity for the operation environment. If necessary, free some disk area. |
| KAPM06143-E | An error occurred in the system definition entry file.<br>Output destinations: Destinations for output level 10. | An error occurred in the system definition entry file.<br>Collect maintenance information and contact the Support Center. |
| KAPM06144-E | The port is already being used.<br>Output destinations: Destinations for output level 10. | The port is already being used.<br>Collect maintenance information and contact the Support Center. |
| KAPM06145-E | Other errors.<br>Output destinations: Destinations for output level 10. | Other errors.<br>Collect maintenance information and contact the Support Center. |
| KAPM06146-E | An attempt to create the file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create the file has failed. |
| KAPM06147-E | An attempt to write to the file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to write to the file has failed. |
| KAPM06149-E | An attempt to delete the file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to delete the file has failed. |
| KAPM06153-E | An attempt to execute the command has failed.<br>Output destinations: Destinations for output level 10. | An attempt to execute the command has failed. |
| KAPM06154-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10. | An unexpected exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06159-E | An attempt to acquire a cluster configuration file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire a cluster configuration file has failed.<br>Check the cluster configuration file. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06160-E | The value of hcmds.home cannot be acquired.<br>Output destinations: Destinations for output level 10. | The value of hcmds.home cannot be acquired.<br>Collect maintenance information and contact the Support Center. |
| KAPM06161-E | The cluster configuration file was not found.<br>Output destinations: Destinations for output level 10. | The cluster configuration file was not found.<br>Check the cluster configuration file. |
| KAPM06162-E | An attempt to acquire the key name has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire the key name has failed.<br>Check the cluster configuration file. |
| KAPM06163-E | An attempt to acquire a value has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire a value has failed.<br>Check the cluster configuration file. |
| KAPM06164-E | A CIMClassNotFoundException occurred.<br>Output destinations: Destinations for output level 10. | A CIMClassNotFoundException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06165-E | An attempt to delete the file has failed. (file = "*aa...aa*")<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | An attempt to delete the file has failed.<br>See the next message. |
| KAPM06166-E | An attempt to register the authentication data has failed.<br>Output destinations: Destinations for output level 0, and windows. | An attempt to register the authentication data has failed.<br>If this message is displayed following the KAPM06111-I message when the hcmdschgurl command is executed, information was successfully registered into the local repository of the distributed environment, but the registered information in the remote machine has not been applied.<br>To apply the registered information in the remote machine, either start or restart the Single Sign On Server for the remote machine.<br>If you cannot resolve the problem even by doing this, check the network connection and settings.<br>If you still cannot resolve the problem, acquire the maintenance information, and then contact the Support Center. |
| KAPM06169-E | An attempt to log in as an internal user has failed.<br>Output destinations: Destinations for output level 10. | An attempt to log in as an internal user has failed.<br>See the next message. |
| KAPM06170-I | The hcmdsdbstatus command has started.<br>Output destinations: Destinations for output level 10. | The hcmdsdbstatus command has started. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06171-I | The hcmdsdbstatus command has ended.<br>Output destinations: Destinations for output level 10. | The hcmdsdbstatus command has terminated. |
| KAPM06172-I | The hcmdsdbstatus command was successful.<br>Output destinations: Destinations for output level 10. | The hcmdsdbstatus command was successful. |
| KAPM06173-E | The hcmdsdbstatus command has failed.<br>Output destinations: Destinations for output level 10. | The hcmdsdbstatus command has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06176-I | The DBMS is running.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS is running. |
| KAPM06177-I | The DBMS is now starting or shutting down.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS is now starting or shutting down. |
| KAPM06178-I | The DBMS service has stopped.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS stopped. |
| KAPM06179-E | The DBMS restart was interrupted.<br>Output destinations: Destinations for output level 10, and windows. | The restart of the DBMS was interrupted.<br>Collect maintenance information and contact the Support Center. |
| KAPM06180-E | The DBMS service has stopped or does not exist.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS service has stopped or does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM06181-E | The database has not been set up.<br>Output destinations: Destinations for output level 10, and windows. | The database has not been set up.<br>Collect maintenance information and contact the Support Center. |
| KAPM06182-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06183-I | Command execution results: "*aa...aa*"<br>*aa...aa*: Displayed output of the executed command<br>Output destinations: Destinations for output level 10. | Execution result of command. |
| KAPM06184-E | An attempt to execute the command has failed.<br>Output destinations: Destinations for output level 10. | The execution of the command failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06185-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06186-E | The value of hcmds.home could not be acquired.<br>Output destinations: In window only. | The value of hcmds.home cannot be acquired.<br>Collect maintenance information and contact the Support Center. |
| KAPM06187-E | An attempt to judge the DBMS status has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to judge the DBMS status has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06203-E | The list of table name is empty.<br>Output destinations: Destinations for output level 10, and windows. | The list of table name is empty.<br>Collect maintenance information and contact the Support Center. |
| KAPM06206-E | An unexpected error occurred during InterBase processing.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected error occurred during InterBase processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM06207-E | The list of table names is empty.<br>Output destinations: Destinations for output level 10, and windows. | The list of table names is empty.<br>Collect maintenance information and contact the Support Center. |
| KAPM06209-I | A table *aa...aa* has been created.<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | A table *aa...aa* has been created. |
| KAPM06214-E | InterBaseServer is not running.<br>Output destinations: Destinations for output level 10, and windows. | InterBaseServer is not running.<br>Make sure that InterBaseServer is running. |
| KAPM06215-E | InterServer is not running.<br>Output destinations: Destinations for output level 10, and windows. | InterServer is not running.<br>Make sure that InterServer is running. |
| KAPM06216-E | An argument contains a null value.<br>Output destinations: Destinations for output level 10, and windows. | An argument contains a null value.<br>Collect maintenance information and contact the Support Center. |
| KAPM06217-E | The option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM06218-E | The specified directory cannot be created. (directory = *aa...aa*).<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The specified directory cannot be created.<br>Collect maintenance information and contact the Support Center. |
| KAPM06219-E | The specified directory name already exists as a file. (file = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The specified directory name already exists as a file.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06220-E | The specified file name already exists as a directory. (directory = *aa...aa* )<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The specified file name already exists as a directory.<br>Collect maintenance information and contact the Support Center. |
| KAPM06221-E | The specified database file (*aa...aa* ) does not exist.<br>*aa...aa*: Database file name<br>Output destinations: Destinations for output level 10, and windows. | The specified database file (*aa...aa* ) does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM06222-E | The specified XML file (*aa...aa*) does not exist.<br>*aa...aa*: XML file name<br>Output destinations: Destinations for output level 10, and windows. | The specified XML file (*aa...aa*) does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM06223-E | The specified value is invalid. (value = *aa...aa*)<br>*aa...aa*: Value<br>Output destinations: Destinations for output level 10, and windows. | The specified value is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM06224-E | The specified arguments are insufficient.<br>Output destinations: Destinations for output level 10, and windows. | The specified arguments are insufficient.<br>Collect maintenance information and contact the Support Center. |
| KAPM06226-E | The specified file (*aa...aa*) does not exist in the argument of the pdload command.<br>*aa...aa*: Name of non-existent file<br>Output destinations: Destinations for output level 10, and windows. | The specified file (*aa...aa*) does not exist in the argument of the pdload command.<br>Collect maintenance information and contact the Support Center. |
| KAPM06227-I | The processing on table *aa...aa* finished successfully.<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | The processing on table *aa...aa* finished successfully. |
| KAPM06228-E | The CSV file (*aa...aa*) contains an invalid line.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The CSV file (*aa...aa*) contains an invalid line.<br>Collect maintenance information and contact the Support Center. |
| KAPM06229-E | An attempt to read the data from table *aa...aa* has failed.<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to read the data from table *aa...aa* has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06230-E | An unexpected return value (*aa...aa*) was returned from the pdload command.<br>*aa...aa*: Unexpected return value<br>Output destinations: Destinations for output level 10, and windows. | An unexpected return value (*aa...aa*) was returned from the pdload command.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06231-E | An attempt to upgrade InterBase has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to upgrade InterBase has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06232-E | An SQL exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An SQL exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06234-E | A table name in XML is null or 0 bytes.<br>Output destinations: Destinations for output level 10, and windows. | A table name in XML is null or 0 bytes.<br>Collect maintenance information and contact the Support Center. |
| KAPM06235-E | An unexpected XML tag (*aa...aa*) has been detected.<br>*aa...aa*: Unexpected XML tag<br>Output destinations: Destinations for output level 10, and windows. | An unexpected XML tag (*aa...aa*) has been detected.<br>Collect maintenance information and contact the Support Center. |
| KAPM06239-E | An error occurred during SAX processing.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred during SAX processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM06241-E | A fatal error occurred during SAX processing.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred during SAX processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM06242-E | An unexpected data length (*aa...aa*) was detected.<br>*aa...aa*: Unexpected value<br>Output destinations: Destinations for output level 10, and windows. | An unexpected data length (*aa...aa*) was detected.<br>Collect maintenance information and contact the Support Center. |
| KAPM06243-E | A SAXException occurred. (details = *aa...aa*)<br>*aa...aa*: SAXException detailed information<br>Output destinations: Destinations for output level 10, and windows. | A SAXException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06244-E | The length of the data to be moved to HiRDB exceeds the HiRDB limit. (data type of excessively long data, length) = (*aa...aa*, *bb...bb*)<br>*aa...aa*: Data type of the excessively long data<br>*bb...bb*: Length of the excessively long data<br>Output destinations: Destinations for output level 10, and windows. | The length of the data to be moved to HiRDB exceeds the HiRDB limit.<br>Collect maintenance information and contact the Support Center. |
| KAPM06245-E | HiRDB has not started.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB has not started.<br>Please start HiRDB. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06246-I | The table *aa...aa* was successfully created.<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | Table *aa...aa* was successfully created. |
| KAPM06247-E | The table *aa...aa* was not created.<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | Table *aa...aa* was not created.<br>Collect maintenance information and contact the Support Center. |
| KAPM06248-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | Processing ended normally. |
| KAPM06249-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06250-I | The data was registered successfully in table *aa...aa*.<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | The data was registered successfully in table *aa...aa*. |
| KAPM06251-E | The data was not registered in table *aa...aa*.<br>*aa...aa*: Table name<br>Output destinations: Destinations for output level 10. | The data was not registered in table *aa...aa*.<br>Collect maintenance information and contact the Support Center. |
| KAPM06252-E | Authentication has failed at *aa...aa*.<br>*aa...aa*: Database name<br>Output destinations: Destinations for output level 10, and windows. | Authentication has failed at *aa...aa*.<br>Collect maintenance information and contact the Support Center. |
| KAPM06253-E | Application *aa...aa* is not supported.<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10, and windows. | Databases of application *aa...aa* are not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM06255-I | Processing to initialize database conversion is being performed.<br>Output destinations: Destinations for output level 10, and windows. | Processing to initialize database conversion is being performed. |
| KAPM06256-E | The specified file could not be created. (file = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The specified file could not be created.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06257-I | Data is now being read from the old database. (progress = *aa...aa*/*bb...bb*)<br>*aa...aa*: Number of converted tables<br>*bb...bb*: Total number of tables to be converted<br>Output destinations: Destinations for output level 10, and windows. | The database is now being converted. |
| KAPM06258-I | The database is now being converted. (progress = *aa...aa*/*bb...bb*)<br>*aa...aa*: Number of converted tables<br>*bb...bb*: Total number of tables to be converted<br>Output destinations: Destinations for output level 10, and windows. | The database is now being converted. |
| KAPM06259-E | The file *aa...aa* does not exist.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file *aa...aa* does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM06262-I | The hcmdssslsetup command has started.<br>Output destinations: Destinations for output level 10. | This message is output when the hcmdssslsetup command starts. |
| KAPM06263-I | The hcmdssslsetup command has ended.<br>Output destinations: Destinations for output level 10. | This message is output when the hcmdssslsetup command ends. |
| KAPM06264-I | The hcmdssslsetup command ended successfully.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when the hcmdssslsetup command ends successfully. |
| KAPM06266-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when an option specified for a command is invalid.<br>Specify valid options. |
| KAPM06267-E | The sslc.cnf file was not found.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when the sslc.cnf file does not exist at the storage location.<br>If the file option has been specified, confirm that the sslc.cnf file has been specified in the path for the argument.<br>If the file option has not been specified, collect the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06268-E | The sslc.cnf file is invalid.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when the format of the sslc.cnf file is invalid.<br>Make sure that the sslc.cnf can be accessed, or that the user who executed the command has the appropriate privileges, and then execute the command again.<br>If there is still a problem, collect the maintenance information, and then contact the Support Center. |
| KAPM06269-E | Execution of the sslc command failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when execution of the sslc command fails.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06270-I | Processing to create a private key has started.<br>Output destinations: Destinations for output level 10. | This message is output when processing to create a private key starts. |
| KAPM06271-I | Processing to create a private key has ended.<br>Output destinations: Destinations for output level 10. | This message is output when processing to create a private key ends. |
| KAPM06272-E | Processing to create a private key failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when processing to create a private key fails.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06273-I | Processing to create a self-signed certificate has started.<br>Output destinations: Destinations for output level 10. | This message is output when processing to create a self-signed certificate starts. |
| KAPM06274-I | Processing to create a self-signed certificate has ended.<br>Output destinations: Destinations for output level 10. | This message is output when processing to create a self-signed certificate ends. |
| KAPM06275-E | Processing to create a self-signed certificate failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when processing to create a self-signed certificate fails.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06276-I | Processing to create a self-signed certificate in DER format has started.<br>Output destinations: Destinations for output level 10. | This message is output when processing to create a self-signed certificate in DER format starts. |
| KAPM06277-I | Processing to create a self-signed certificate in DER format has ended.<br>Output destinations: Destinations for output level 10. | This message is output when processing to create a self-signed certificate in DER format ends. |
| KAPM06278-E | Processing to create a self-signed certificate in DER format failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when processing to create a self-signed certificate in DER format fails.<br>Collect the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06280-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | This message is output when an internal error occurs.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06281-I | Processing to create a certificate content file started.<br>Output destinations: Destinations for output level 10. | Processing to create a certificate content file started. |
| KAPM06282-I | Processing to create a certificate content file ended.<br>Output destinations: Destinations for output level 10. | Processing to create a certificate content file ended. |
| KAPM06283-E | Processing to create a certificate content file has failed.<br>Output destinations: Destinations for output level 10, and windows. | Processing to create a certificate content file has failed.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06284-E | The sslc command was not found.<br>Output destinations: Destinations for output level 10, and windows. | The sslc command was not found.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06285-E | File deletion has failed.<br>Output destinations: Destinations for output level 10, and windows. | Deletion of a private key, self-signed certificate, DER format self-signed certificate, or certificate content file created by the hcmdssslsetup command has failed.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06286-E | The private key was not found.<br>Output destinations: Destinations for output level 10. | The private key was not found in the storage destination after it was created.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06287-E | The self-signed certificate was not found.<br>Output destinations: Destinations for output level 10. | The self-signed certificate was not found in the storage destination after it was created.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06288-E | The DER format self-signed certificate was not found.<br>Output destinations: Destinations for output level 10. | The DER format self-signed certificate was not found in the storage destination after it was created.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06289-E | The certificate contents file was not found.<br>Output destinations: Destinations for output level 10. | After the certificate contents file had been created, it was not found in the storage destination.<br>Collect the maintenance information, and then contact the Support Center. |
| KAPM06290-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06303-E | The option(s) specified is insufficient.<br>Output destinations: Destinations for output level 10, and windows. | The option(s) specified is insufficient.<br>Specify all the necessary options. |
| KAPM06304-E | The option value specified is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option value specified is invalid.<br>Specify the option and specify the necessary proceeding values. (user name and password, etc.) |
| KAPM06305-E | The option "*aa...aa*" is not supported.<br>*aa...aa*: Option name<br>Output destinations: Destinations for output level 10, and windows. | The option "*aa...aa*" is not supported.<br>Do not specify an unsupported option. |
| KAPM06306-E | The option "*aa...aa*" appears 2 times or more.<br>*aa...aa*: Option name<br>Output destinations: Destinations for output level 10, and windows. | The option "*aa...aa*" appears 2 times or more.<br>Check the specification of the option. |
| KAPM06307-E | The combination of options is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The combination of options is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM06308-E | An argument contains a null value.<br>Output destinations: Destinations for output level 10, and windows. | An argument contains a null value.<br>Collect maintenance information and contact the Support Center. |
| KAPM06309-E | An exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM06310-E | The file "*aa...aa*" could not be read.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file "*aa...aa*" could not be read.<br>Confirm that the file exists, that the file is not in use, and that the make directory of the file is correct. |
| KAPM06311-E | The input file contains a grammar mistake.<br>Output destinations: Destinations for output level 10, and windows. | The input file contains a grammar mistake.<br>Correct the syntax error in the specified definition file. |
| KAPM06312-E | An error occurred when inputting the file.<br>Output destinations: Destinations for output level 10. | An error occurred when inputting the file.<br>Collect maintenance information and contact the Support Center. |
| KAPM06313-E | The specified value is invalid. value = *aa...aa*<br>*aa...aa*: Value<br>Output destinations: Destinations for output level 10. | The specified value is invalid.<br>Confirm the value in the user definition application file. |
| KAPM06317-E | I/O of XML has failed.<br>Output destinations: Destinations for output level 10. | I/O of XML has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06318-E | An error occurred in the SAX parser.<br>Output destinations: Destinations for output level 10. | An error occurred in the SAX parser.<br>Collect maintenance information and contact the Support Center. |
| KAPM06319-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | Processing ended normally. |
| KAPM06321-E | The "*bb...bb*" file to be used by "*aa...aa*" does not exist.<br>*aa...aa*: Command name, class name, etc.<br>*bb...bb*: Name of the file that does not exist<br>Output destinations: Destinations for output level 10, and windows. | The *bb...bb* file to be used by *aa...aa* does not exist.<br>Check whether the file is in the specified location. |
| KAPM06322-E | An SQL exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An SQL exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06323-I | Execution of the "*aa...aa*" command ended normally.<br>*aa...aa*: Command name<br>Output destinations: In window only. | Execution of the *aa...aa* command ended normally. |
| KAPM06324-E | An attempt to execute the "*aa...aa*" command has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10. | An attempt to execute the *aa...aa* command has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06325-I | HiRDB was started.<br>Output destinations: Destinations for output level 10. | HiRDB was started. |
| KAPM06326-E | HiRDB was not started.<br>Output destinations: Destinations for output level 10. | HiRDB was not started.<br>Collect maintenance information and contact the Support Center. |
| KAPM06327-I | HiRDB was stopped.<br>Output destinations: Destinations for output level 10. | HiRDB was stopped. |
| KAPM06328-E | HiRDB was not stopped.<br>Output destinations: Destinations for output level 10. | HiRDB was not stopped.<br>Collect maintenance information and contact the Support Center. |
| KAPM06330-I | *aa...aa* processing started.<br>*aa...aa*: Method name<br>Output destinations: Destinations for output level 10. | *aa...aa* processing started. |
| KAPM06331-I | *aa...aa* processing finished.<br>*aa...aa*: Method name<br>Output destinations: Destinations for output level 10. | *aa...aa* processing finished. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06332-E | The database of the specified product has not been set up.<br>Output destinations: Destinations for output level 10, and windows. | The database of the specified product has not been set up.<br>Use the hcmdsdbsetup command to set up the database of the specified product. |
| KAPM06333-E | HiRDB cannot be stopped because a Suite product is connected to HiRDB.<br>Output destinations: Destinations for output level 10. | HiRDB cannot be stopped because a Suite product is connected to HiRDB.<br>Stop the Suite product that is connected to HiRDB, then retry. |
| KAPM06334-E | InterBase is not running.<br>Output destinations: Destinations for output level 10, and windows. | InterBase is not running.<br>Check whether InterBaseServer is running. For details, check hcmdsdbconvert[n].log. |
| KAPM06335-E | The DBMS has not started.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS has not started.<br>Check whether DBMS is running. For details, check hcmdsdbconvert[n].log. |
| KAPM06336-E | Authentication has failed at InterBase.<br>Output destinations: Destinations for output level 10, and windows. | Authentication has failed at InterBase.<br>Specify the correct user ID and password. For details, check hcmdsdbconvert[n].log. |
| KAPM06337-E | Authentication has failed in the DBMS.<br>Output destinations: Destinations for output level 10, and windows. | Authentication has failed in the DBMS.<br>Specify the correct user ID and password. For details, check hcmdsdbconvert[n].log. |
| KAPM06338-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Check hcmdsdbconvert[n].log. |
| KAPM06339-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Check hcmdsdbconvert[n].log. |
| KAPM06340-E | Memory is insufficient.<br>Output destinations: Destinations for output level 10, and windows. | Memory is insufficient.<br>Check hcmdsdbinitsetup[n].log. |
| KAPM06341-E | The DBMS environment already exists.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS environment already exists.<br>Check hcmdsdbinitsetup[n].log. |
| KAPM06342-E | Free disk space is insufficient.<br>Output destinations: Destinations for output level 10, and windows. | Free disk space is insufficient.<br>Check the operating environment for the disk capacity. If necessary, free up some disk space. For details, check hcmdsdbinitsetup[n].log. |
| KAPM06343-E | An error occurred in the system definition entry file.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred in the system definition entry file.<br>Check hcmdsdbinitsetup[n].log. |
| KAPM06344-E | The port is already being used.<br>Output destinations: Destinations for output level 10, and windows. | The port is already being used.<br>Check hcmdsdbinitsetup[n].log. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06345-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Check hcmdsdbinitsetup[n].log. |
| KAPM06346-E | The file "*aa...aa*" already exists.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file *aa...aa* already exists.<br>If the target file is hcmdsdbsetRDArea.ini, a database might already exist at the specified database creation destination.<br>If such a database exists, change the database creation destination, and then perform setup again.<br>If such a database does not exist, delete the file indicated by *aa...aa*, and then perform setup again. |
| KAPM06347-W | The specified file system area "*aa...aa*" already existed, so it was deleted.<br>*aa...aa*: File system area<br>Output destinations: In window only. | The specified file system area *aa...aa* already existed, so it was deleted. |
| KAPM06348-I | The database was created successfully.<br>Output destinations: syslog/Eventlog | The database was created successfully. |
| KAPM06349-E | An attempt to create the database has failed.<br>Output destinations: syslog/Eventlog | An attempt to create the database has failed. |
| KAPM06350-I | The database was deleted successfully.<br>Output destinations: syslog/Eventlog | The database was deleted successfully. |
| KAPM06351-E | An attempt to delete the database has failed.<br>Output destinations: syslog/Eventlog | An attempt to delete the database has failed. |
| KAPM06352-E | Directory creation has failed. (directory = *aa...aa*)<br>*aa...aa*: directory name<br>Output destinations: Destinations for output level 10. | Directory creation has failed.<br>Check the destination where the database will be created. If necessary, revise the destination and set up the database again. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM06353-I | Set up the database again.<br>Output destinations: Destinations for output level 10, and windows. | Set up the database again. |
| KAPM06396-E | "*aa...aa*":"*bb...bb*"<br>*aa...aa*: Command name<br>*bb...bb*: Message<br>Output destinations: Destinations for output level 10. | Message for debugging. |
| KAPM06398-E | "*aa...aa*"<br>*aa...aa*: Message<br>Output destinations: Destinations for output level 10. | Message for debugging. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06399-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06403-E | An exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM06404-E | The file "*aa...aa*" could not be read.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file "*aa...aa*" could not be read.<br>Confirm that the file exists, that the file is not in use, and that the make directory of the file is correct. |
| KAPM06405-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | Processing ended normally. |
| KAPM06407-E | The "*bb...bb*" file to be used by "*aa...aa*" does not exist.<br>*aa...aa*: Command name, class name, etc.<br>*bb...bb*: Name of the file that does not exist<br>Output destinations: Destinations for output level 10, and windows. | The *bb...bb* file to be used by *aa...aa* does not exist.<br>Collect maintenance information and contact the Support Center. |
| KAPM06408-I | Execution of the "*aa...aa*" command ended normally.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10. | Execution of the *aa...aa* command ended normally. |
| KAPM06409-E | An attempt to execute the "*aa...aa*" command has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10. | An attempt to execute the *aa...aa* command has failed. |
| KAPM06410-I | The setup status is "not set up".<br>Output destinations: Destinations for output level 10, and windows. | The setup status is "not set up". |
| KAPM06411-I | The setup status is "stand-alone".<br>Output destinations: Destinations for output level 10, and windows. | The setup status is "stand-alone". |
| KAPM06412-I | The setup status is "active system".<br>Output destinations: Destinations for output level 10, and windows. | The setup status is "active system". |
| KAPM06413-I | The setup status is "standby system".<br>Output destinations: Destinations for output level 10, and windows. | The setup status is "standby system". |
| KAPM06414-E | The option specification is incorrect.<br>Output destinations: Destinations for output level 10, and windows. | The option specification is incorrect.<br>Review and, if necessary, revise the option specification. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06429-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06433-E | An exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred. See the following message KAPM49001-E for details.<br>Collect maintenance information and contact the Support Center. |
| KAPM06434-I | Processing ended normally.<br>Output destinations: Destinations for output level 10. | Processing ended normally. |
| KAPM06436-E | An attempt to execute the "*aa...aa*" command has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10. | An attempt to execute the aa...aa command has failed. |
| KAPM06437-E | The option(s) specified is insufficient.<br>Output destinations: Destinations for output level 10, and windows. | The option(s) specified is insufficient.<br>Please review the specification of the option. |
| KAPM06438-I | The HiRDB service has started.<br>Output destinations: Destinations for output level 10, and windows. | The HiRDB service has started. |
| KAPM06439-I | The HiRDB service has stopped.<br>Output destinations: Destinations for output level 10, and windows. | The HiRDB service has stopped. |
| KAPM06440-I | The HiRDB service has already started.<br>Output destinations: Destinations for output level 10, and windows. | The HiRDB service has already started. |
| KAPM06441-I | The HiRDB service has already stopped.<br>Output destinations: Destinations for output level 10, and windows. | It is already stopped by HiRDB service. |
| KAPM06442-E | The HiRDB service has not been set up.<br>Output destinations: Destinations for output level 10, and windows. | The HiRDB service has not been set up.<br>Make sure that the products have been properly installed, and if necessary, take actions to satisfy this condition. If an error still occurs after taking the above actions, collect maintenance information, and then contact Customer Support. |
| KAPM06443-E | An attempt to start the HiRDB service has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to start the HiRDB service has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06444-E | An attempt to stop the HiRDB service has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to stop the HiRDB service has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06445-E | HiRDB cannot be stopped because a Suite product is connected to HiRDB.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB cannot be stopped because a Suite product is connected to HiRDB.<br>HiRDB cannot be stopped because a Hitachi Storage Command Suite product is connected to HiRDB.<br>Stop any Hitachi Storage Command Suite products that are connected to HiRDB, and then retry the operation.<br>If you cannot resolve the problem even by doing this, acquire the maintenance information, and then contact the Support Center. |
| KAPM06459-E | An unexpected exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06501-I | The method has started.<br>Output destinations: In window only. | The method has started. |
| KAPM06502-I | The method has finished.<br>Output destinations: In window only. | The method has finished. |
| KAPM06503-E | The option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The option is invalid.<br>Specify the option correctly. |
| KAPM06504-E | A specified option is insufficient.<br>Output destinations: Destinations for output level 10, and windows. | A specified option is insufficient.<br>Specify the option correctly. |
| KAPM06505-E | The value specified in the option is invalid. (option = *aa...aa*)<br>*aa...aa*: Option name<br>Output destinations: Destinations for output level 10, and windows. | The value specified in the option is invalid.<br>Check the specified value of the option. |
| KAPM06506-E | The specified directory cannot be created. (directory = *aa...aa*)<br>*aa...aa*: Directory<br>Output destinations: Destinations for output level 10, and windows. | The specified directory cannot be created.<br>Make sure that you have write permission for the directory. |
| KAPM06507-E | The specified directory already exists as a file. (file = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The specified directory already exists as a file.<br>Specify another directory name. |
| KAPM06508-E | The specified value is invalid. (value = *aa...aa*)<br>*aa...aa*: Specified value<br>Output destinations: Destinations for output level 10, and windows. | The specified value is invalid.<br>Specify a valid value. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06509-E | The file *aa...aa* does not exist.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file *aa...aa* does not exist.<br>Make sure that the file specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM06510-E | The directory *aa...aa* does not exist.<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The directory *aa...aa* does not exist.<br>Make sure that the directory specification is correct. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM06511-E | The file *aa...aa* already exists.<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The file *aa...aa* already exists.<br>Delete the file, or move to another directory. |
| KAPM06512-E | The directory *aa...aa* already exists.<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10, and windows. | The directory *aa...aa* already exists.<br>Specify another directory. |
| KAPM06513-E | Command *aa...aa* returned the value *bb...bb*. The error message is *cc...cc*.<br>*aa...aa*: Command name<br>*bb...bb*: Return code<br>*cc...cc*: Error message<br>Output destinations: Destinations for output level 10, and windows. | Command *aa...aa* returned the value *bb...bb*. The error message is *cc...cc*.<br>Check the specified value of the option. If you cannot solve the problem, collect maintenance information and contact the Support Center. |
| KAPM06514-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | Processing ended normally. |
| KAPM06515-E | An IOException occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | An IOException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06516-E | An exception occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06517-E | A NullPointerException occurred. (details = *aa...aa*)<br>*aa...aa*: Exception details<br>Output destinations: Destinations for output level 10, and windows. | A NullPointerException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06518-E | HiRDB has not been installed.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB has not been installed.<br>Make sure that HiRDB is installed. When a product of HiCommand 4.0 or later is installed, HiRDB is automatically installed. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06519-E | An error occurred while executing the hcmdsdbmode command.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred while executing the hcmdsdbmode command.<br>Collect maintenance information and contact the Support Center. |
| KAPM06520-E | HiRDB has not started.<br>Output destinations: Destinations for output level 10, and windows. | HiRDB has not started.<br>Start HiRDB. |
| KAPM06521-E | The RD area for *aa...aa* has not been set up.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | The RD area for *aa...aa* has not been set up.<br>In the type option, specify the installed product name. |
| KAPM06522-E | There is no RD area in the system.<br>Output destinations: Destinations for output level 10, and windows. | There is no RD area in the system.<br>Make sure that the Hitachi Storage Command Suite products has been installed. |
| KAPM06523-I | The hcmdsdbmove command has started.<br>Output destinations: Destinations for output level 10, and windows. | The hcmdsdbmove command has started. |
| KAPM06524-I | Initialization for moving the database is being performed.<br>Output destinations: Destinations for output level 10, and windows. | Initialization for moving the database is being performed. |
| KAPM06525-I | The data for *aa...aa* will now be moved.<br>*aa...aa*: Product name<br>Output destinations: Destinations for output level 10, and windows. | The data for *aa...aa* will now be moved. |
| KAPM06526-I | Processing to import data has started.<br>Output destinations: Destinations for output level 10, and windows. | Processing to import data has started. |
| KAPM06527-I | The table definitions of the database are being imported.<br>Output destinations: Destinations for output level 10, and windows. | The table definitions of the database are being imported. |
| KAPM06528-I | The data is being imported.<br>Output destinations: Destinations for output level 10, and windows. | The data is being imported. |
| KAPM06529-I | The database procedures are being imported.<br>Output destinations: Destinations for output level 10, and windows. | The database procedures are being imported. |
| KAPM06530-I | Processing to import data has ended.<br>Output destinations: Destinations for output level 10, and windows. | Processing to import data has ended. |
| KAPM06531-I | Processing to export data has started.<br>Output destinations: Destinations for output level 10, and windows. | Processing to export data has started. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06532-I | The table definitions of the database are being exported.<br>Output destinations: Destinations for output level 10, and windows. | The table definitions of the database are being exported. |
| KAPM06533-I | The data is being exported.<br>Output destinations: Destinations for output level 10, and windows. | The data is being exported. |
| KAPM06534-I | The database procedures are being exported.<br>Output destinations: Destinations for output level 10, and windows. | The database procedures are being exported. |
| KAPM06535-I | Processing to export data has ended.<br>Output destinations: Destinations for output level 10, and windows. | Processing to export data has ended. |
| KAPM06536-I | The data is being imported. (progress = *aa...aa*/*bb...bb*)<br>*aa...aa*: Amount of imported data<br>*bb...bb*: Total amount of data to be imported<br>Output destinations: Destinations for output level 10, and windows. | The data is being imported. |
| KAPM06537-I | The data is being exported. (progress = *aa...aa*/*bb...bb*)<br>*aa...aa*: Amount of exported data<br>*bb...bb*: Total amount of data to be exported<br>Output destinations: Destinations for output level 10, and windows. | The data is being exported. |
| KAPM06540-I | The view is being imported.<br>Output destinations: Destinations for output level 10, and windows. | The view is being imported. |
| KAPM06541-I | The view is being exported.<br>Output destinations: Destinations for output level 10, and windows. | The view is being exported. |
| KAPM06542-E | The data to be imported to *aa...aa* is not in the directory in the datapath option.<br>*aa...aa*: The product for which the data to be imported cannot be found.<br>Output destinations: Destinations for output level 10, and windows. | When the import option was specified in the hcmdsdbmove command, the data to be imported from the product displayed in the message was not in the directory specified by the datapath option.<br>Please check that the data to be imported exists in the directory specified by the datapath option.<br>Also, if import data of multiple products exists in different directories, specify the type option, and then import the data for each product one product at a time. |
| KAPM06543-I | The database was exported successfully.<br>Output destinations: syslog/Eventlog | The database was exported successfully. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06544-E | An attempt to export the database has failed.<br>Output destinations: syslog/Eventlog | An attempt to export the database has failed. |
| KAPM06545-I | The database was imported successfully.<br>Output destinations: syslog/Eventlog | The database was imported successfully. |
| KAPM06546-E | An attempt to import the database has failed.<br>Output destinations: syslog/Eventlog | An attempt to import the database has failed. |
| KAPM06570-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the format of the specified option is invalid.<br>Specify a valid option, then retry. |
| KAPM06571-E | The specified options are insufficient.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when a required option is not specified or an unnecessary option is specified.<br>Specify a valid option, then retry. |
| KAPM06572-E | The specified option value is invalid.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the specified value of the option is invalid.<br>Specify a valid option value, then retry. |
| KAPM06573-E | The specified directory name already exists as a file name. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the directory name specified in the command option already exists as a file.<br>Specify a valid option value, then retry. |
| KAPM06574-E | The directory name exceeds *aa...aa* characters.<br>*aa...aa*: Length of directory name (number of characters)<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the length (number of characters) of the directory name specified in the option exceeds the maximum.<br>Specify a valid option value, then retry. |
| KAPM06575-E | The same value cannot be specified for the databasepath and exportpath parameters.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the character strings specified for the databasepath and exportpath parameters are the same.<br>Specify a different directory name, then retry. |
| KAPM06576-E | An attempt to acquire the key name has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when a required property has not been set in the cluster settings file.<br>Make sure the contents of the cluster settings file are correct. |
| KAPM06577-E | An attempt to acquire a value has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when a value has not been set correctly in the cluster settings file.<br>Make sure the values in the cluster settings file are correct. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06578-E | The cluster settings file was not found.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when there is no cluster settings file in the conf directory.<br>Make sure that cluster.conf is in the conf directory. |
| KAPM06579-E | The value of hcmds.home cannot be acquired.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when hcmds.home has not been set in the system properties.<br>Make sure that hcmds.home has been set in the system properties. |
| KAPM06580-E | An attempt to clear a DBMS environment variable has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to delete the DBMS client environment variable has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06581-E | The DBMS has not stopped.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the DBMS did not stop when the command was executed.<br>Before executing a command, stop the DBMS service. |
| KAPM06582-E | An attempt to load the file has failed. (file = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | This message is displayed when an attempt to load the file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06583-E | An attempt to write to the file has failed. (file = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | This message is displayed when an attempt to write to the file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06584-I | Processing to export data was successful.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when data was exported successfully. |
| KAPM06585-I | Re-creation of the database was successful.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the database was re-created successfully. |
| KAPM06586-I | Processing to import data was successful.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when data was imported successfully. |
| KAPM06587-E | An attempt to export data has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to export data has failed.<br>Remove the cause of the failure, then retry. If the problem still cannot be solved, collect the maintenance information, and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06588-E | An attempt to re-create the database has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to re-create the database has failed.<br>Remove the cause of the failure, then retry. If the problem still cannot be solved, collect the maintenance information, and contact the Support Center. |
| KAPM06589-E | An attempt to import data has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to import data has failed.<br>Remove the cause of the failure, then retry. If the problem still cannot be solved, collect the maintenance information, and contact the Support Center. |
| KAPM06590-I | Processing ended normally.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when command execution ended normally. |
| KAPM06591-E | The data to be imported was not found in the specified directory.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the data to be imported could not be found in the specified directory.<br>Specify the directory to which the data was exported, then retry. If the problem still cannot be solved, collect the maintenance information, and contact the Support Center. |
| KAPM06592-E | The data to be imported to *aa...aa* is not in the directory specified in the exportpath option.<br>*aa...aa*: The product that the import data could not be found.<br>Output destinations: Destinations for output level 10, and windows. | The data to be imported of the product displayed in the message is not in the directory specified for the exportpath option.<br>Please confirm to exist an import data in the directory specified by the exportpath option. |
| KAPM06600-I | Entered parameter: *aa...aa*<br>*aa...aa*: Parameter entered by the user<br>Output destinations: Destinations for output level 10. | Entered parameter. |
| KAPM06601-I | User ID = *aa...aa*, application = *bb...bb*, permissions = *cc...cc*<br>*aa...aa*: User ID of the target user<br>*bb...bb*: Target application<br>*cc...cc*: Permission set by the target user<br>Output destinations: Destinations for output level 10, and windows. | User ID = *aa...aa*, application = *bb...bb*, permissions = *cc...cc* |
| KAPM06602-E | A specified parameter is invalid.<br>Output destinations: Destinations for output level 10, and windows. | A specified parameter is invalid.<br>Check the specified parameter. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06603-E | An attempt to read the file has failed. (file = *aa...aa*)<br>*aa...aa*: Absolute path of the file<br>Output destinations: Destinations for output level 10, and windows. | An attempt to read the file has failed.<br>Make sure the file exists on the specified path *aa...aa*. |
| KAPM06604-E | The database has not started.<br>Output destinations: Destinations for output level 10, and windows. | The database has not started.<br>Make sure the database has started. |
| KAPM06605-E | An attempt to communicate with the server or database has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to communicate with the server or database has failed.<br>Make sure the following have started: the HBase Storage Mgmt Common Service or HBase Storage Mgmt Web Service, and the database. |
| KAPM06606-E | An error has occurred.<br>Output destinations: Destinations for output level 10, and windows. | An error has occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06609-I | The command ended normally.<br>Output destinations: In window only. | The command ended normally. |
| KAPM06610-E | An option specification is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option specification is invalid.<br>Specify a valid option as shown in the message, and then execute the command. |
| KAPM06611-E | An attempt to load the hsso.conf file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to load the hsso.conf file has failed.<br>Make sure the host name in hsso.conf is correct. |
| KAPM06612-E | Authentication has failed.<br>Output destinations: Destinations for output level 10, and windows. | Authentication has failed.<br>Make sure that the user name and password are correct.<br>If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |
| KAPM06613-W | Authentication data was not found in the repository.<br>Output destinations: In window only. | Authentication data was not found in the repository. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06614-E | An attempt to communicate with SSO Server has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to communicate with SSO Server has failed.<br>For a distributed environment:<br>5. If you executed the command from the primary side:<br>Make sure that the Single Sign-On server on the primary side is running.<br>6. If you executed the command from the secondary side:<br>Make sure that the Single Sign-On server on the primary side is running.<br>If the Single Sign-On server on the primary side is not running, start it, and restart the Single Sign-On server on the secondary side.<br>If the Single Sign-On server on the primary side is running, make sure that the Single Sign-On server on the secondary side is running.<br>For a non-distributed environment:<br>1. Make sure that the Single Sign-On server is running.<br>If you cannot solve the problem, collect the maintenance information, and then contact the Support Center. |
| KAPM06640-E | A fatal error occurred during processing.<br>Output destinations: Destinations for output level 10. | A fatal error occurred during processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM06641-E | An internal error occurred.<br>Output destinations: Destinations for output level 10. | An internal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM06642-E | An error occurred during file input.<br>Output destinations: Destinations for output level 10. | An error occurred during file input.<br>Collect maintenance information and contact the Support Center. |
| KAPM06643-E | An attempt to acquire file information has failed.<br>Output destinations: Destinations for output level 10. | An attempt to acquire file information has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM06659-E | *aa...aa*<br>*aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object<br>Output destinations: Destinations for output level 10. | Detailed information for KAPMxxxxx-E. This indicates the thrown exception object and the backtrace for that object.<br>See the message KAPMxxxxx-E. |
| KAPM06665-I | The DBMS has started.<br>Output destinations: Destinations for output level 10. | The DBMS has started. |
| KAPM06666-I | The DBMS has stopped.<br>Output destinations: Destinations for output level 10. | The DBMS has stopped. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06667-I | *aa...aa* processing has started.<br>*aa...aa*: Processing name<br>Output destinations: Destinations for output level 10. | Processing has started. |
| KAPM06668-I | *aa...aa* processing has finished.<br>*aa...aa*: Processing name<br>Output destinations: Destinations for output level 10. | Processing has finished. |
| KAPM06669-E | An argument contains a null value.<br>Output destinations: Destinations for output level 10. | An argument contains a null value.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06670-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06671-E | The specified value is invalid. (value = *aa...aa*)<br>*aa...aa*: Value<br>Output destinations: Destinations for output level 10. | The specified value is invalid.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06672-E | Execution of the command *aa...aa* has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 10. | Execution of the command has failed.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06673-E | The DBMS did not start.<br>Output destinations: Destinations for output level 10. | The DBMS did not start.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06674-E | The DBMS did not stop.<br>Output destinations: Destinations for output level 10. | The DBMS did not stop.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06675-I | The DBMS has not been set up<br>Output destinations: Destinations for output level 10. | The DBMS has not been set up |
| KAPM06676-I | The database of the specified product has not been set up.<br>Output destinations: Destinations for output level 10. | The database of the specified product has not been set up. |
| KAPM06679-E | The value of hcmds.home cannot be acquired.<br>Output destinations: Destinations for output level 10. | The value of hcmds.home cannot be acquired.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06683-E | "*aa...aa*":"*bb...bb*"<br>*aa...aa*: command name<br>*bb...bb*: message<br>Output destinations: Destinations for output level 10. | Message for debugging: |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06689-E | Processing has terminated abnormally. (processing name = *aa...aa*)<br>*aa...aa*: Processing name<br>Output destinations: Destinations for output level 10. | Processing has terminated abnormally. (processing name = *aa...aa*)<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06690-E | The file hcmdsdbsetRDArea.ini does not exist.<br>Output destinations: Destinations for output level 10. | The file hcmdsdbsetRDArea.ini does not exist.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06691-E | An error occurred during file I/O processing.<br>Output destinations: Destinations for output level 10. | An error occurred during file I/O processing.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06692-W | Execution of the command aa...aa has failed.<br>*aa...aa*: Command name<br>Output destinations: Destinations for output level 20. | Execution of the command has failed.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM06753-E | A property value in the installation information file is invalid. (*aa...aa*)<br>*aa...aa*: Property value<br>Output destinations: In window only. | A property value in the installation information file is invalid.<br>Check the contents of the installation information file. |
| KAPM06760-I | A method has started.<br>Output destinations: Destinations for output level 30. | A method has started. |
| KAPM06761-I | A method has finished.<br>Output destinations: Destinations for output level 30. | A method has finished. |
| KAPM06762-I | The hcmdssltool command has started.<br>Output destinations: Destinations for output level 10. | The `hcmdssltool` command has started. |
| KAPM06763-I | The hcmdssltool command has ended.<br>Output destinations: Destinations for output level 10. | The `hcmdssltool` command has ended. |
| KAPM06764-I | The hcmdssltool command ended successfully.<br>Output destinations: Destinations for output level 10, and windows. | The `hcmdssltool` command ended successfully. |
| KAPM06765-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Check the options. |
| KAPM06766-E | Creation of a private key failed.<br>Output destinations: Destinations for output level 10, and windows. | Creation of a private key failed.<br>Check the file output location and the specified distinguished name, and then re-execute the command.<br>If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06767-E | Creation of a self-signed certificate failed.<br>Output destinations: Destinations for output level 10, and windows. | Creation of a self-signed certificate failed.<br>Check the file output location and the specified distinguished name, and then re-execute the command.<br>If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM06768-E | Creation of a CSR failed.<br>Output destinations: Destinations for output level 10, and windows. | Creation of a CSR failed.<br>Check the file output location and the specified distinguished name, and then re-execute the command.<br>If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM06769-E | Creation of a certificate content file failed.<br>Output destinations: Destinations for output level 10, and windows. | Creation of a certificate content file failed.<br>Check the file output location and the specified distinguished name, and then re-execute the command.<br>If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM06770-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06771-W | Failed to delete a key store.<br>Output destinations: Destinations for output level 10, and windows. | Failed to delete a key store. |
| KAPM06772-E | No value has been specified for an option.<br>Output destinations: Destinations for output level 10. | No value has been specified for an option.<br>Check the options. |
| KAPM06773-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06774-E | The hcmds.home value cannot be acquired.<br>Output destinations: In window only. | The hcmds.home value cannot be acquired.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06775-E | Analysis of binary data failed.(position = *aa...aa*,part = *bb...bb*)<br>*aa...aa*: Position<br>*bb...bb*: Part<br>Output destinations: Destinations for output level 10. | Analysis of binary data failed.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06776-E | The keytool command failed.<br>Output destinations: Destinations for output level 10. | The keytool command failed.<br>Take action according to the content of the following messages:<br>▪ KAPM06766-E<br>▪ KAPM06767-E<br>▪ KAPM06768-E<br>▪ KAPM06769-E |
| KAPM06777-I | The keytool command has ended.(Return code = *aa...aa*)<br>*aa...aa*: Return code<br>Output destinations: Destinations for output level 10. | The keytool command has ended. |
| KAPM06780-I | Enter Server Name [default=*aa...aa*]:<br>*aa...aa*: Host name<br>Output destinations: In window only. | Enter Server Name. |
| KAPM06781-I | Enter Organizational Unit:<br>Output destinations: In window only. | Enter Organizational Unit. |
| KAPM06782-I | Enter Organization Name [default=*aa...aa*]:<br>*aa...aa*: Host name<br>Output destinations: In window only. | Enter Organization Name. |
| KAPM06783-I | Enter your City or Locality:<br>Output destinations: In window only. | Enter your City or Locality: |
| KAPM06784-I | Enter your State or Province:<br>Output destinations: In window only. | Enter your State or Province. |
| KAPM06785-I | Enter your two-character country-code:<br>Output destinations: In window only. | Enter your two-character country-code. |
| KAPM06786-I | Is *aa...aa* correct? (y/n) [default=n]:<br>*aa...aa*: Distinguished name<br>Output destinations: In window only. | The Distinguished Name is confirmed. |
| KAPM06787-E | Creation of a distinguished name failed.<br>Output destinations: Destinations for output level 10. | Creation of a distinguished name failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06790-E | An IllegalArgumentException occurred.<br>Output destinations: Destinations for output level 10. | An IllegalArgumentException occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06791-E | An IOException occurred.<br>Output destinations: Destinations for output level 10. | An IOException occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06792-E | A HBaseDeleteFileException occurred.<br>Output destinations: Destinations for output level 10. | A HBaseDeleteFileException occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06793-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06794-E | A KeyStoreException occurred.<br>Output destinations: Destinations for output level 10. | A KeyStoreException occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06795-E | A CertificateException occurred.<br>Output destinations: Destinations for output level 10. | A CertificateException occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06796-E | An UnrecoverableKeyException occurred.<br>Output destinations: Destinations for output level 10. | An UnrecoverableKeyException occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06797-E | A NoSuchAlgorithmException occurred.<br>Output destinations: Destinations for output level 10. | A NoSuchAlgorithmException occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06799-I | aa...aa<br>aa...aa: Debug information<br>Output destinations: Destinations for output level 10. | This message contains debug information. |
| KAPM06900-I | Processing to start the service has started.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when processing to start the service starts. |
| KAPM06901-I | The service was started successfully.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the service starts successfully. However, if the HiCommand version is earlier than 5.7, you might need to start some of the services manually because they do not start automatically. |
| KAPM06902-I | Processing to stop the service has started.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when processing to stop the service starts. |
| KAPM06903-I | The service was stopped successfully.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the service stops successfully. |
| KAPM06904-I | Processing to start the DBMS has started.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when processing to start the DBMS starts. |
| KAPM06905-I | The DBMS was started successfully.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the DBMS starts successfully. |
| KAPM06906-I | Processing to stop the DBMS has started.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when processing to stop the DBMS starts. |
| KAPM06907-I | The DBMS was stopped successfully.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when the DBMS stops successfully. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06908-E | An attempt to start the service has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to start the service fails.<br>Collect maintenance information and contact the Support Center. |
| KAPM06909-E | An attempt to stop the service has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to stop the service fails.<br>Stop the Suite product that is connected to the DBMS, then retry. If the problem still cannot be resolved, collect the maintenance information, and contact the Support Center. |
| KAPM06910-E | An attempt to start the DBMS has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to start the DBMS fails.<br>Collect maintenance information and contact the Support Center. |
| KAPM06911-E | An attempt to stop the DBMS has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to stop the DBMS fails.<br>Stop the Suite product that is connected to the DBMS, then retry. If the problem still cannot be resolved, collect the maintenance information, and contact the Support Center. |
| KAPM06912-E | An attempt to start the service or the DBMS has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to start the service or the DBMS fails.<br>Collect maintenance information and contact the Support Center. |
| KAPM06913-E | An attempt to stop the service or the DBMS has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to stop the service or the DBMS fails.<br>Stop the Suite product that is connected to the DBMS, then retry. If the problem still cannot be resolved, collect the maintenance information, and contact the Support Center. |
| KAPM06914-E | The database has not been initialized.<br>Output destinations: Destinations for output level 10, and windows. | The database has not been initialized.<br>Collect maintenance information and contact the Support Center. |
| KAPM06915-E | An attempt to release the connection of the connection pool has failed.<br>Output destinations: Destinations for output level 10. | This message is displayed when an attempt to release the connection of the connection pool fails.<br>Collect maintenance information and contact the Support Center. |
| KAPM06920-W | Log initialization failed.<br>Output destinations: In window only. | Log initialization failed.<br>If the problem occurs frequently, collect maintenance information, and then contact the Support Center. |
| KAPM06921-E | A memory allocation error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A memory allocation error occurred.<br>Collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM06922-E | The *aa...aa* command will stop because setting an environment variable failed. (details = *bb...bb*)<br>*aa...aa*: Command name<br>*bb...bb*: Details<br>Output destinations: Destinations for output level 10, and windows. | The specified command stopped because setting an environment variable failed.<br>Re-execute the command. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM06923-E | The *aa...aa* command will stop because internal processing failed. (details = *bb...bb*)<br>*aa...aa*: Command name<br>*bb...bb*: Details<br>Output destinations: Destinations for output level 10, and windows. | The specified command stopped because internal processing failed.<br>Re-execute the command. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM06924-E | An error occurred in an internal function. (function = *aa...aa*, error code = *bb...bb*)<br>*aa...aa*: Function<br>*bb...bb*: Error code<br>Output destinations: Destinations for output level 10. | An error occurred in an internal function.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06925-E | A system environment variable is invalid.<br>Output destinations: Destinations for output level 10. | A system environment variable was invalid.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM06926-E | The *aa...aa* command will stop because setting an environment variable failed. (details = *bb...bb*)<br>*aa...aa*: Command name<br>*bb...bb*: Details<br>Output destinations: Destinations for output level 10, and windows. | The specified command stopped because setting an environment variable failed.<br>Re-execute the command. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM06927-E | The *aa...aa* command will stop because internal processing failed. (details = *bb...bb*)<br>*aa...aa*: Command name<br>*bb...bb*: Details<br>Output destinations: Destinations for output level 10, and windows. | The specified command stopped because internal processing failed.<br>Re-execute the command. If the problem cannot be solved, collect maintenance information, and then contact the Support Center. |
| KAPM07000-W | Update the current JavaScript to the latest version.<br>Output destinations: Destinations for output level 10, and windows. | Update the current JavaScript to the latest version. |
| KAPM07001-E | The specified user cannot log in because the user does not have permission to access the manager screen.<br>Output destinations: Destinations for output level 10, and windows. | The specified user cannot log in because the user does not have permission to access the manager screen.<br>Log in as a user who has Hitachi Storage Command Suite Common Component Administrator permissions. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07002-E | The application is not registered on the HSSO Server.<br>Output destinations: Destinations for output level 10, and windows. | The application is not registered on the HSSO Server.<br>Collect maintenance information and contact the Support Center. |
| KAPM07003-E | The user ID and/or password are not correct.<br>Output destinations: Destinations for output level 10, and windows. | The user ID and/or password are not correct.<br>Input the correct user ID and password. |
| KAPM07004-E | The executing user does not have permission to execute the method.<br>Output destinations: Destinations for output level 10, and windows. | The executing user does not have permission to execute the method.<br>Collect maintenance information and contact the Support Center. |
| KAPM07005-E | The specified user does not exist.<br>Output destinations: Destinations for output level 10, and windows. | The specified user does not exist.<br>Confirm the user information. |
| KAPM07006-E | The specified user already exists.<br>Output destinations: Destinations for output level 10, and windows. | The specified user already exists.<br>Input a value other than the specified user name. |
| KAPM07007-E | This user has already been deleted.<br>Output destinations: Destinations for output level 10, and windows. | This user has already been deleted.<br>Confirm the user information. |
| KAPM07008-E | A problem occurred during processing.<br>Output destinations: Destinations for output level 10, and windows. | A problem occurred during processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM07009-E | A communication error occurred during processing.<br>Output destinations: Destinations for output level 10, and windows. | A communication error occurred during processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM07010-E | Null is specified for the argument.<br>Output destinations: Destinations for output level 10, and windows. | Null is specified for the argument.<br>Collect maintenance information and contact the Support Center. |
| KAPM07011-E | A fatal error occurred during processing.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred during processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM07012-E | The specified group does not exist.<br>Output destinations: Destinations for output level 10, and windows. | The specified group does not exist.<br>Confirm the group information. |
| KAPM07013-E | An attempt to register user information has failed, because a problem occurred during registration processing.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to register user information has failed, because a problem occurred during registration processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM07014-E | An attempt to update user information has failed, because a problem occurred during update processing.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to update user information has failed, because a problem occurred during update processing.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07015-E | An attempt to delete user information has failed, because a problem occurred during deletion processing.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to delete user information has failed, because a problem occurred during deletion processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM07016-E | An attempt to change the password has failed, because a problem occurred while processing the change.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to change the password has failed, because a problem occurred while processing the change.<br>Collect maintenance information and contact the Support Center. |
| KAPM07017-E | A problem occurred during an attempt to acquire user information.<br>Output destinations: Destinations for output level 10, and windows. | A problem occurred during an attempt to acquire user information.<br>Collect maintenance information and contact the Support Center. |
| KAPM07018-E | A problem occurred during an attempt to acquire group information.<br>Output destinations: Destinations for output level 10, and windows. | A problem occurred during an attempt to acquire group information.<br>Collect maintenance information and contact the Support Center. |
| KAPM07019-I | The user information was successfully deleted.<br>Output destinations: Destinations for output level 10, and windows. | The user information was successfully deleted. |
| KAPM07020-I | User ID *aa...aa* will be deleted.<br>If deleted, this user will not be able to log on. Is this OK?<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10, and windows. | User ID *aa...aa* will be deleted.<br>If deleted, this user will not be able to log on. Is this OK? |
| KAPM07021-E | A problem occurred during an attempt to acquire HiCommand application information.<br>Output destinations: Destinations for output level 10, and windows. | A problem occurred during an attempt to acquire Hitachi Storage Command Suite application information.<br>Collect maintenance information and contact the Support Center. |
| KAPM07022-E | An attempt to update HiCommand application information has failed, because a problem occurred during update processing.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to update Hitachi Storage Command Suite application information has failed, because a problem occurred during update processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM07023-I | HiCommand application information will now be updated.<br>Output destinations: Destinations for output level 10, and windows. | Hitachi Storage Command Suite application information will now be updated. |
| KAPM07024-E | A problem occurred during an attempt to acquire user application information.<br>Output destinations: Destinations for output level 10, and windows. | A problem occurred during an attempt to acquire user application information.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07025-E | An attempt to update user application information has failed, because a problem occurred during update processing.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to update user application information has failed, because a problem occurred during update processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM07026-I | User application information will now be updated.<br>Output destinations: Destinations for output level 10, and windows. | User application information will now be updated. |
| KAPM07027-W | The specified user application name already exists. application name = *aa...aa*<br>*aa...aa*: Application name<br>Output destinations: Destinations for output level 10, and windows. | The specified user application name already exists.<br>Input a value other than the specified application name. |
| KAPM07028-E | Input Item : *aa...aa*<br>This entry is required. Enter a value.<br>*aa...aa*: Input item<br>Output destinations: In window only. | This entry is required. Enter a value.<br>Input a value. |
| KAPM07029-E | Input Item : *aa...aa*<br>A character that cannot be used for this entry has been entered.<br>*aa...aa*: Input item<br>Output destinations: In window only. | A character that cannot be used for this entry has been entered.<br>Use only characters that are valid for this item. |
| KAPM07030-E | Input Item : *aa...aa*<br>The number of characters in this entry exceeds the maximum.<br>*aa...aa*: Input item<br>Output destinations: In window only. | The number of characters in this entry exceeds the maximum.<br>Input a character string of a length less than or equal to the maximum. |
| KAPM07031-E | The password entries do not match.<br>Output destinations: In window only. | The password entries do not match.<br>Make sure that the values for the password and password confirmation input items are identical. |
| KAPM07032-E | Input Item : *aa...aa*<br>Enter from 4 to 255 characters for this entry.<br>*aa...aa*: Input item<br>Output destinations: In window only. | Enter from 4 to 255 characters for this entry.<br>Input a character string of a length between 4 and 255 characters (inclusive) for this input item. |
| KAPM07033-W | The specified URL does not exist in the class. URL = *aa...aa*<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 10, and windows. | The specified URL does not exist in the class.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07034-E | IllegalDataException occurred. (details = *aa...aa*)<br>*aa...aa*: Details<br>Output destinations: Destinations for output level 10, and windows. | IllegalDataException occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM07035-E | The format of the specified URL is invalid. URL = *aa...aa*<br>*aa...aa*: URL<br>Output destinations: Destinations for output level 10, and windows. | The format of the specified URL is invalid.<br>Check the entered URL. If necessary, enter the correct URL. |
| KAPM07036-I | The password will change. Is this OK?<br>Output destinations: In window only. | The password will change. Is this OK? |
| KAPM07037-I | The password will change. Is this OK?<br>After the password changes, you must log in again.<br>Output destinations: In window only. | The password will change. Is this OK?<br>After the password changes, you must log in again. |
| KAPM07038-E | Input Item : *aa...aa*<br>The same value cannot be specified into these input items.<br>*aa...aa*: Input item<br>Output destinations: In window only. | The same value cannot be specified into these input items.<br>Please reinput other values in an input item. |
| KAPM07230-I | The user was registered successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log showing that the user has been registered successfully. |
| KAPM07231-I | The user was deleted successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log showing that the user has been deleted successfully. |
| KAPM07232-I | The password was changed successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log showing that the password has been changed successfully. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07233-I | The user information was modified successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log showing that the user information has been modified successfully. |
| KAPM07235-I | The user was locked successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log showing that the user has been locked successfully. |
| KAPM07236-I | The user was unlocked successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log showing that the user has been unlocked successfully. |
| KAPM07237-E | The specified password does not satisfy the entry conditions. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log that shows that the password that doesn't meet the input requirement is specified. |
| KAPM07238-E | The specified e-mail is too long. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log that shows that the e-mail string that is too long is specified. |
| KAPM07239-E | The old password is incorrect. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Processed user ID<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log that shows that the old password is incorrect. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07240-E | An attempt to execute the *aa...aa* operation has failed. (operator = *bb...bb*, user ID = *cc...cc*, function = *dd...dd*)<br>*aa...aa*: Operation name<br>*bb...bb*: Operator name<br>*cc...cc*: Processed user ID<br>*dd...dd*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log that shows that the *aa...aa* process has failed. |
| KAPM07241-I | A user was registered successfully. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that a user was registered successfully. |
| KAPM07242-E | Registration of a user has failed. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that registration of a user has failed. |
| KAPM07243-I | The user information was updated successfully. (user ID = aa...aa)<br>*aa...aa*: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that the user information was modified successfully. |
| KAPM07244-E | An attempt to update the user information has failed. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that an attempt to update the user information has failed. |
| KAPM07245-I | A user was deleted successfully. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that a user was deleted successfully. |
| KAPM07246-E | Deletion of a user has failed. (user ID = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: syslog/Eventlog | This audit log data indicates that deletion of a user has failed. |
| KAPM07247-I | The authorization group was added successfully. (operator = *aa...aa*, distinguished name = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Distinguished name<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization groups that have been added successfully. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07248-E | An attempt to execute the *aa...aa* operation has failed. (operator = *bb...bb*, distinguished name = *cc...cc*, function = *dd...dd*)<br>*aa...aa*: Operation name<br>*bb...bb*: Operator name<br>*cc...cc*: Distinguished name<br>*dd...dd*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log that shows the failed aa...aa processes. |
| KAPM07249-I | The authorization group was deleted successfully. (operator = *aa...aa*, distinguished name = *bb...bb*, function = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Distinguished name<br>*cc...cc*: Function name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization groups that have been deleted successfully. |
| KAPM07250-I | The permissions were changed successfully. (operator = *aa...aa*, distinguished name = *bb...bb*, permissions = *cc...cc*)<br>*aa...aa*: Operator name<br>*bb...bb*: Distinguished name<br>*cc...cc*: Permissions after they were changed<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the permissions that have been changed successfully. |
| KAPM07251-I | The authorization group was registered successfully. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization groups that have been registered successfully. |
| KAPM07252-E | An attempt to register the authorization group has failed. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization groups that have failed to be registered. |
| KAPM07253-I | The authorization group was deleted successfully. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization groups that have been deleted successfully. |
| KAPM07254-E | An attempt to delete the authorization group has failed. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization groups that have failed to be deleted. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07255-I | The authorization group's permissions were changed successfully. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization group permissions that have been changed successfully. |
| KAPM07256-E | An attempt to change the authorization group's permissions has failed. (distinguished name = *aa...aa*)<br>*aa...aa*: Distinguished name<br>Output destinations: syslog/Eventlog | This is an audit log that shows all the authorization group permissions that have failed to be changed. |
| KAPM07300-I | The hcmdshpsimcert command has started.<br>Output destinations: Destinations for output level 10. | The hcmdshpsimcert command started. |
| KAPM07301-I | The hcmdshpsimcert command has terminated.<br>Output destinations: Destinations for output level 10. | The hcmdshpsimcert command ended. |
| KAPM07302-I | The hcmdshpsimcert command was successful.<br>Output destinations: Destinations for output level 10. | The hcmdshpsimcert command was successful. |
| KAPM07303-E | The hcmdshpsimcert command has failed.<br>Output destinations: Destinations for output level 10. | The hcmdshpsimcert command failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07306-E | The value of hcmds.home cannot be acquired.<br>Output destinations: In window only. | The hcmds.home value cannot be acquired.<br>Collect maintenance information and contact the Support Center. |
| KAPM07307-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Please revise the option specification. |
| KAPM07308-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM07309-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM07310-I | Importing of the certificate has started.<br>Output destinations: Destinations for output level 10. | Importing of the certificate started. |
| KAPM07311-I | Importing of the certificate has ended.<br>Output destinations: Destinations for output level 10. | Importing of the certificate ended. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07312-E | The host name or the port number is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The host name is invalid.<br>Please revise the specified host name. |
| KAPM07313-E | An attempt to communicate with the HPSIM server has failed.<br>Output destinations: Destinations for output level 10, and windows. | Communication with the HPSIM server failed.<br>Please confirm whether the HPSIM server running. |
| KAPM07314-E | The format of the certificate acquired from the HPSIM server is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The format of the certificate acquired from the HPSIM server is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM07315-E | An attempt to load the keystore file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to load the keystore file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07316-W | The certificate of the specified host is already registered.<br>Output destinations: Destinations for output level 10, and windows. | The certificate of the specified host has already been registered. |
| KAPM07317-I | The following certificate was imported into the keystore.<br>Output destinations: Destinations for output level 10, and windows. | The following certificate was imported to the keystore. |
| KAPM07318-E | An attempt to output the keystore file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to output the keystore file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07319-E | An attempt to input the keystore file has failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to input the keystore file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07320-I | Host name: "*aa...aa*"<br>*aa...aa*: Host name<br>Output destinations: Destinations for output level 10. | Host name |
| KAPM07321-I | Processing to display the certificate list has started.<br>Output destinations: Destinations for output level 10. | Processing to display the certificate list started. |
| KAPM07322-I | Processing to display the certificate list has ended.<br>Output destinations: Destinations for output level 10. | Processing to display the certificate list ended. |
| KAPM07323-I | The certificate is not stored.<br>Output destinations: Destinations for output level 10. | The certificate is not stored. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07324-E | A problem occurred while displaying the certificate list.<br>Output destinations: Destinations for output level 10. | A problem occurred while displaying the certificate list.<br>Collect maintenance information and contact the Support Center. |
| KAPM07325-I | Deletion of the certificate has started.<br>Output destinations: Destinations for output level 10. | Deletion of the certificate started. |
| KAPM07326-I | The certificate has been deleted.<br>Output destinations: Destinations for output level 10. | The certificate has been deleted. |
| KAPM07327-I | The certificate for the *aa...aa* host was deleted.<br>*aa...aa*: Host name<br>Output destinations: Destinations for output level 10. | The certificate of the specified host was deleted. |
| KAPM07328-W | The certificate for the *aa...aa* host is not registered.<br>*aa...aa*: Host name<br>Output destinations: Destinations for output level 10. | The certificate of the specified host name is not registered. |
| KAPM07329-E | An attempt to delete the certificate has failed.<br>Output destinations: Destinations for output level 10. | An attempt to delete the certificate has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07330-E | An attempt to renew the keystore has failed.<br>Output destinations: Destinations for output level 10. | An attempt to modify the keystore has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07342-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM07343-E | An internal error occurred.<br>Output destinations: Destinations for output level 10. | An internal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM07344-I | GET processing for "/Proxy/Getkey" has started.<br>Output destinations: Destinations for output level 10. | The GET processing of "/Proxy/GetKey" started. |
| KAPM07345-I | GET processing for "/Proxy/Getkey" has ended.<br>Output destinations: Destinations for output level 10. | The GET processing of "/Proxy/GetKey" ended. |
| KAPM07346-I | The request from "*aa...aa*" was accepted.<br>*aa...aa*: Host name<br>Output destinations: Destinations for output level 10. | The request from *aa...aa* was accepted. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07347-I | The one-time key was issued. (key = *aa...aa*)<br>*aa...aa*: Onetimekey<br>Output destinations: Destinations for output level 10. | The one-time key was issued. (key = *aa...aa*) |
| KAPM07348-E | An attempt to issue the one-time key has failed.<br>Output destinations: Destinations for output level 10. | An attempt to issue the one-time key has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07349-E | An attempt to create the one-time key failed because the number of keys had exceeded the maximum.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | An attempt to create the one-time key failed because the number of keys exceeded the maximum.<br>Please check whether a one-time key has been generated illegally. |
| KAPM07350-W | The one-time key does not exist. (key = *aa...aa*)<br>*aa...aa*: Onetimekey<br>Output destinations: Destinations for output level 10. | The one-time key does not exist. (key = *aa...aa*) |
| KAPM07351-W | The expiration date of the one-time key has passed. (key = *aa...aa*)<br>*aa...aa*: Onetimekey<br>Output destinations: Destinations for output level 10. | The one-time key expired. (key = *aa...aa*) |
| KAPM07352-I | The one-time key was deleted normally. (key = *aa...aa*)<br>*aa...aa*: Onetimekey<br>Output destinations: Destinations for output level 10. | The one time key was deleted normally. (key = *aa...aa*) |
| KAPM07355-I | The one-time key that passed the expiration date was deleted. (key = *aa...aa*)<br>*aa...aa*: Onetimekey<br>Output destinations: Destinations for output level 10. | The expired one-time key was deleted. (key = *aa...aa*) |
| KAPM07356-I | GET processing for "/Proxy/SSO" has started.<br>Output destinations: Destinations for output level 10. | The GET processing of "/Proxy/SSO" started. |
| KAPM07357-I | GET processing for "/Proxy/SSO" has ended.<br>Output destinations: Destinations for output level 10. | The GET processing of "/Proxy/SSO" ended. |
| KAPM07358-E | An error occurred during a parameter check.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | An error occurred during a parameter check.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07359-I | Parameter output: "*aa...aa*" = "*bb...bb*"<br>*aa...aa*: Parameter<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | Parameter output: *aa...aa* = *bb...bb* |
| KAPM07360-E | An attempt to load the keystore has failed.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | An attempt to load the keystore has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07363-I | The host name is valid.<br>Output destinations: Destinations for output level 10. | The host name is valid. |
| KAPM07364-E | The host name is invalid.<br>Output destinations: Destinations for output level 10. | The host name is invalid.<br>Please make sure the certificate from the launch-source has been imported. |
| KAPM07367-I | The one-time key is valid.<br>Output destinations: Destinations for output level 10. | The one-time key is valid. |
| KAPM07368-W | The one-time key is invalid.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | The one-time key is invalid. |
| KAPM07371-I | Verification of the request parameter was successful.<br>Output destinations: Destinations for output level 10. | Verification of the request parameter was successful. |
| KAPM07372-E | An attempt to verify the request parameter has failed.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | Verification of the request parameter failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07375-I | The URL is a normal value.<br>Output destinations: Destinations for output level 10. | The URL value is normal. |
| KAPM07376-E | The URL is an invalid value.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | The URL value is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM07377-E | An attempt to convert the *aa...aa* permission has failed.<br>*aa...aa*: Authority name<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | An attempt to convert the *aa...aa* permission has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07378-I | A redirection to "*aa...aa*" will be performed.<br>*aa...aa*: redirect URL<br>Output destinations: Destinations for output level 10. | The user will be redirected to *aa...aa*. |
| KAPM07379-E | An attempt to load the keystore file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to load the keystore file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07380-I | The certificate of *aa...aa* has been imported.<br>*aa...aa*: Alias<br>Output destinations: Destinations for output level 10. | The *aa...aa* certificate has been imported. |
| KAPM07381-E | The certificate of *aa...aa* has not been imported.<br>*aa...aa*: Alias<br>Output destinations: Destinations for output level 10. | The *aa...aa* certificate has not been imported.<br>Please confirm whether the certificate is importing done. |
| KAPM07382-E | A server problem occurred.<br>Output destinations: Destinations for output level 10. | A problem with the server occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM07383-I | Data verification has started.<br>Output destinations: Destinations for output level 10. | Verification of the data started. |
| KAPM07384-I | Data verification has ended.<br>Output destinations: Destinations for output level 10. | Verification of the data ended. |
| KAPM07385-E | An invalid character string was specified for the token.<br>Output destinations: Destinations for output level 10. | An invalid character string was specified for the token.<br>Collect maintenance information and contact the Support Center. |
| KAPM07386-E | "SHA1with RSA" is not supported.<br>Output destinations: Destinations for output level 10. | "SHA1withRSA" is not supported.<br>Collect maintenance information and contact the Support Center. |
| KAPM07387-E | The certificate format is invalid.<br>Output destinations: Destinations for output level 10. | The format of the certificate is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM07388-E | The signature object has not been initialized.<br>Output destinations: Destinations for output level 10. | The signature object has not been initialized.<br>Collect maintenance information and contact the Support Center. |
| KAPM07389-E | "US-ASCII" is not supported.<br>Output destinations: Destinations for output level 10. | "US-ASCII" is not supported.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07390-I | Generation of the HSSO token has started.<br>Output destinations: Destinations for output level 10. | Generation of the HSSO token started. |
| KAPM07391-I | Generation of the HSSO token has ended.<br>Output destinations: Destinations for output level 10. | Generation of the HSSO token ended. |
| KAPM07392-E | The permission conversion definition file was not found.<br>Output destinations: Destinations for output level 10. | The permission conversion definition file was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM07393-E | An attempt to load the permission conversion definition file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to load the permission conversion definition file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07400-E | The definition file was not found.<br>Output destinations: Destinations for output level 10. | The definition file was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM07401-I | Generation of the X509 certificate object has started.<br>Output destinations: Destinations for output level 10. | Generation of the X509 certificate object started. |
| KAPM07402-I | Generation of the X509 certificate object has ended.<br>Output destinations: Destinations for output level 10. | Generation of the X509 certificate object ended. |
| KAPM07403-E | The specified port number is invalid.<br>Output destinations: Destinations for output level 10. | The specified port number is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM07404-E | The host name is invalid.<br>Output destinations: Destinations for output level 10. | The host name is invalid.<br>Take action according to the proceeding message. |
| KAPM07405-E | An attempt to communicate with the HPSIM server has failed.<br>Output destinations: Destinations for output level 10. | An attempt to communicate with the HPSIM server has failed.<br>Please confirm whether the HPSIM server running. |
| KAPM07406-E | The format of the certificate acquired from HPSIM is invalid.<br>Output destinations: Destinations for output level 10. | The format of the certificate acquired from HPSIM is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM07407-E | An attempt to output the keystore file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to output the keystore file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM07410-I | Authentication succeeded.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | Authentication succeeded. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM07411-W | Authentication failed.<br>Output destinations: Destinations for output level 10. | Authentication failed. |
| KAPM07420-E | Null is specified for the argument. (*aa...aa*)<br>*aa...aa*: Argument<br>Output destinations: Destinations for output level 10. | Null is specified for the argument.<br>Collect maintenance information and contact the Support Center. |
| KAPM07421-E | A specified value is invalid. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | The specified value is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM07422-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM07423-E | The domain name is invalid.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | There is an unusable character in the domain name sent from HPSIM.<br>Please revise the HPSIM domain name. |
| KAPM07424-E | The user name is invalid.<br>Output destinations: syslog/Eventlog/Destinations for output level 10. | There is an unusable character in the user name sent from HPSIM.<br>Please revise the HPSIM user name. |
| KAPM07430-E | Authentication failed.<br>Output destinations: Destinations for output level 10, and windows. | Authentication failed.<br>Please fix the cause of the error. For details on the cause, see the HpsimSSO[n] log. |
| KAPM08001-E | A fatal error occurred during processing.<br>Output destinations: Destinations for output level 10. | A fatal error occurred during processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM08002-E | Illegal parameters have been specified to create HSSO Context.<br>Output destinations: Destinations for output level 10. | Illegal parameters have been specified to create HSSO Context.<br>Collect maintenance information and contact the Support Center. |
| KAPM08003-E | A CIMException was generated during Console screen display processing.<br>Output destinations: Destinations for output level 10. | A CIMException was generated during Console screen display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM08004-E | A CIMRepositoryException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A CIMRepositoryException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM08005-E | A CIMProviderException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A CIMProviderException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08006-E | A NoSuchElementException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A NoSuchElementException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM08007-E | A CIMException was generated during menu bar display processing.<br>Output destinations: Destinations for output level 10. | A CIMException was generated during menu bar display processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM08008-E | An error occurred on the HSSO Server.<br>Output destinations: Destinations for output level 10. | An error occurred on the HSSO Server.<br>Collect maintenance information and contact the Support Center. |
| KAPM08009-I | The logout process has completed.<br>Output destinations: syslog/Eventlog | The logout process has completed. |
| KAPM08010-E | An internal error occurred.<br>Output destinations: Destinations for output level 10. | An internal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM08011-E | Your session is invalid.<br>Output destinations: In window only. | Your session is invalid.<br>Logout, then login. |
| KAPM08013-E | A frame-enabled browser is required.<br>Output destinations: Destinations for output level 10, and windows. | A frame-enabled browser is required.<br>Use a browser supported by the Hitachi Storage Command Suite products being used. |
| KAPM08014-I | Now loading...<br>Output destinations: In window only. | Now loading. |
| KAPM08015-E | The registered data in the common repository is invalid.(*aa...aa*)<br>*aa...aa*: Class name<br>Output destinations: Destinations for output level 10. | The registered data in the common repository is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08016-E | The registered data in the common repository is invalid.<br>Output destinations: Destinations for output level 10. | The registered data in the common repository is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08017-E | The registered data in the common repository is invalid.<br>Output destinations: In window only. | The registered data in the common repository is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08018-E | The token is invalid.<br>Output destinations: In window only. | The token is invalid.<br>Logout, then login. |
| KAPM08019-E | An error occurred on the SSO Server.<br>Output destinations: In window only. | An error occurred on the SSO server.<br>Logout, then login. |
| KAPM08020-E | An attempt to communicate with the SSO server has failed.<br>Output destinations: In window only. | An attempt to communicate with the SSO server has failed.<br>Logout, then login. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08021-E | The DBMS is stopped.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS is stopped.<br>Make sure the DBMS has started. |
| KAPM08022-E | The Common Component database is blocked.<br>Output destinations: Destinations for output level 10, and windows. | The Common Component database is blocked.<br>Please contact the server administrator. |
| KAPM08100-E | Null is specified for the argument.<br>Output destinations: Destinations for output level 10. | Null is specified for the argument.<br>Collect maintenance information and contact the Support Center. |
| KAPM08101-E | The specified node was not found. key=(*aa...aa*)<br>*aa...aa*: Node key<br>Output destinations: Destinations for output level 10. | The specified node was not found.<br>Collect maintenance information and contact the Support Center. |
| KAPM08102-E | The object tree has not been created.<br>Output destinations: Destinations for output level 10. | The object tree has not been created.<br>Collect maintenance information and contact the Support Center. |
| KAPM08103-E | An attempt to create the object tree has failed.<br>Output destinations: Destinations for output level 10. | An attempt to create the object tree has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM08104-E | An attempt to add a child node to the object tree has failed. (*aa...aa*)<br>*aa...aa*: Node key<br>Output destinations: Destinations for output level 10. | An attempt to add a child node to the object tree has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM08105-E | The specified node has already been registered. key=(*aa...aa*)<br>*aa...aa*: Node key<br>Output destinations: Destinations for output level 10. | The specified node has already been registered.<br>Collect maintenance information and contact the Support Center. |
| KAPM08106-E | The tree information cannot be acquired. (*aa...aa*)<br>*aa...aa*: Node key<br>Output destinations: Destinations for output level 10. | The tree information cannot be acquired.<br>Collect maintenance information and contact the Support Center. |
| KAPM08107-E | The node information is invalid. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Acquired value<br>Output destinations: Destinations for output level 10. | The node information is invalid.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08108-E | An invalid argument was specified during node creation. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Acquired value<br>Output destinations: Destinations for output level 10. | An invalid argument was specified during node creation.<br>Collect maintenance information and contact the Support Center. |
| KAPM08109-E | The tree information is invalid. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Route-node key (database)<br>*bb...bb*: Route-node key (memory)<br>Output destinations: Destinations for output level 10. | The tree information is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08110-E | The node array cannot be acquired. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Acquired value<br>Output destinations: Destinations for output level 10. | The node array cannot be acquired.<br>Collect maintenance information and contact the Support Center. |
| KAPM08111-E | The hierarchy number of the node array cannot be acquired. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Acquired value<br>Output destinations: Destinations for output level 10. | The hierarchy number of the node array cannot be acquired.<br>Collect maintenance information and contact the Support Center. |
| KAPM08112-E | The node array is invalid. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Acquired value<br>Output destinations: Destinations for output level 10. | The node array is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08113-E | The hierarchy number of the node array is invalid. (*aa...aa*)<br>*aa...aa*: Hierarchy number of the node<br>Output destinations: Destinations for output level 10. | The hierarchy number of the node array is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08114-W | An invalid argument was specified during node creation. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Acquired value<br>Output destinations: Destinations for output level 10. | An invalid argument was specified during node creation.<br>Collect maintenance information and contact the Support Center. |
| KAPM08115-E | An internal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08116-E | A value that exceeds the maximum value has been specified. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Acquired value<br>Output destinations: Destinations for output level 10. | A value that exceeds the maximum value has been specified.<br>Check and, if necessary, revise the settings. |
| KAPM08150-E | The request is invalid. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Key<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | The request is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08152-E | The request is invalid. (*aa...aa*)<br>*aa...aa*: Key<br>Output destinations: Destinations for output level 10. | The request is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08154-E | An attempt to display the object tree has failed.<br>Output destinations: Destinations for output level 10. | An attempt to display the object tree has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM08160-E | The data registered in the common repository is invalid. (*aa...aa*, *bb...bb*)<br>*aa...aa*: Key<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | The data registered in the common repository is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08200-E | The request parameter required for the display of the Application Bar area is invalid.<br>Output destinations: Destinations for output level 10. | The request parameter required for the display of the Application Bar Area is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08201-E | An internal error occurred.<br>If you click the "*Refresh Tree*" button, the initial object tree will be displayed. If you cannot display the tree, log out, and then log in again.<br>Output destinations: Destinations for output level 10, and windows. | An internal error occurred.<br>If you click the "*Refresh Tree*" button, the initial object tree will be displayed. If you cannot display the tree, log out, and then log in again. If you cannot resolve this problem, collect maintenance information, and then contact the Support Center. |
| KAPM08202-E | The number of elements in the array does not match the other arrays.<br>Output destinations: Destinations for output level 10. | The number of elements in the array does not match the other arrays.<br>Collect maintenance information and contact the Support Center. |
| KAPM08203-E | The request parameter required for the display of the Summary area is invalid.<br>Output destinations: Destinations for output level 10. | The request parameter required for the display of the Summary area is invalid.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08302-E | An error occurred while acquiring the resource bundle.<br>Output destinations: Destinations for output level 10. | An error occurred while acquiring resource bundle.<br>Collect maintenance information and contact the Support Center. |
| KAPM08303-E | An error occurred while reading the resource file.<br>Output destinations: Destinations for output level 10. | An error occurred during resource file input.<br>Collect maintenance information and contact the Support Center. |
| KAPM08304-E | An attempt to access the resource file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to access the resource file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM08308-E | An internal error occurred.<br>Output destinations: Destinations for output level 10. | An internal error occurred.<br>Collect maintenance information and contact the Support Center. |
| KAPM08309-E | The URL object cannot be created.<br>Output destinations: Destinations for output level 10. | URL object was not able to be made.<br>Collect maintenance information and contact the Support Center. |
| KAPM08311-E | An attempt to access the file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to access the file has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM08402-E | An unusable HTML tag is included.<br>Output destinations: Destinations for output level 10. | This message is displayed when the message entered by the user contains an unusable HTML tag.<br>Please enter supported HTML tags only. |
| KAPM08403-E | The warning banner message exceeded 1000 characters.<br>Output destinations: Destinations for output level 10. | This message is displayed when the warning banner message entered by the user exceeds 1000 characters.<br>Enter no more than 1000 characters. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08404-E | An attempt to register the warning banner message has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to register a warning banner message from the security GUI window fails.<br>Perform the following actions:<br>1. Check that the following folder exists:<br>Windows: *Hitachi Storage Command Suite Common Component-installation-directory*\Base\conf\sec\resource<br>Solaris: /opt/HiCommand/Base/conf/sec/resource<br>Linux: *Hitachi Storage Command Suite Common Component-installation-directory*/Base/conf/sec/resource<br>2. Please delete the following folder:<br>Windows: *Hitachi Storage Command Suite Common Component-installation-folder*\ \Base conf\sec\resource\bannerresource.properties<br>Solaris or Linux: /opt/HiCommand/Base/conf/sec/resource/bannerresource.properties<br>3. Make sure you have access permissions for the following file.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\conf\sec\resource\bannerresource.properties<br>Solaris: /opt/HiCommand/Base/conf/sec/resource/bannerresource.properties<br>Linux: *Hitachi-Storage-Command-Suite-Common-Component-installation-directory*/Base/conf/sec/resource/bannerresource.properties<br>4. If the problem still cannot be solved, collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08405-E | An attempt to delete the warning banner message has failed.<br>Output destinations: Destinations for output level 10, and windows. | This message is displayed when an attempt to delete a warning banner message from the security GUI window fails.<br>Perform the following actions:<br>1. Check that the following file exists:<br>Windows: *Hitachi Storage Command Suite Common Component-installation-folder*\Base\conf\sec\resource\bannerresource.properties<br>Solaris: /opt/HiCommand/Base/conf/sec/resource/bannerresource.properties<br>Linux: *Hitachi Storage Command Suite Common Component-installation-directory*/Base/conf/sec/resource/bannerresource.properties<br>2. If the problem still cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM08406-E | The specified file name already exists as a directory name. (directory name = *aa...aa*)<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10. | This message is output to the log when an attempt to register a warning banner message from the security GUI window fails.<br>The system environment is invalid. Collect maintenance information and contact the Support Center. |
| KAPM08407-E | The specified directory name already exists as a file name. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10. | This message is output to the log when an attempt to register a warning banner message from the security GUI window fails.<br>The system environment is invalid. Collect maintenance information and contact the Support Center. |
| KAPM08408-E | The directory does not exist. (directory name = *aa...aa*)<br>*aa...aa*: Directory name<br>Output destinations: Destinations for output level 10. | This message is output to the log when an attempt to register a warning banner message from the security GUI window fails.<br>Please create the following folder, then retry:<br>Windows: *Hitachi Storage Command Suite Common Component-installation-directory**Base*\conf\sec<br>Solaris: /opt/HiCommand/Base/conf/sec<br>Linux: *Hitachi Storage Command Suite Common Component-installation-directory/Base/conf/sec* |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08409-E | An attempt to delete the warning banner message has failed.<br>Output destinations: Destinations for output level 10. | This message is output to the log when an attempt to delete a warning banner message from the security GUI window fails.<br>Check that the following file exists:<br>Windows: *Hitachi Storage Command Suite Common Component-installation-directory**Base*\conf\sec\resource\bannerresource.properties<br>Solaris: /opt/HiCommand/Base/conf/sec/resource/bannerresource.properties<br>Linux: *Hitachi Storage Command Suite Common Component-installation-directory*/Base/conf/sec/resource/bannerresource.properties |
| KAPM08410-E | The specified node is invalid. (node name = *aa...aa*)<br>*aa...aa*: Node name<br>Output destinations: Destinations for output level 10. | This message is displayed when an invalid node is specified in the tree display in the security GUI window.<br>Collect maintenance information and contact the Support Center. |
| KAPM08411-E | hcmds.home is not set in the Java system properties.<br>Output destinations: Destinations for output level 10. | hcmds.home has not been set in the Java system properties.<br>Make sure that hcmds.home has been set in the Java system properties. |
| KAPM08412-E | The bannertaglist.conf file does not exist.<br>Output destinations: Destinations for output level 10. | This message is displayed when no bannertaglist.conf file exists during processing to acquire a supported tag list.<br>Check that the following file exists:<br>Windows: *Hitachi Storage Command Suite Common Component-installation-directory*\conf\sec\bannertaglist.conf<br>Solaris: /opt/HiCommand/Base/conf/sec/bannertaglist.conf<br>Linux: *Hitachi Storage Command Suite Common Component-installation-directory*/Base/conf/sec/bannertaglist.conf |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08431-E | An attempt to register the security settings information has failed.<br>Output destinations: Destinations for output level 10, and windows. | When failing from security GUI screen to the security configuration registration will be displayed.<br>Do the following:<br>1. Confirm the following folder exists.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\Base\conf\sec\resource<br>Solaris: /opt/HiCommand/Base/conf/sec/resource<br>Linux: *Hitachi-Storage-Command-Suite-Common-Component-Installation-directory*/Base/conf/sec/resource<br>2. Please delete it when the following folders exist.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\Base\conf\sec\resource\security.conf<br>Solaris: /opt/HiCommand/Base/conf/sec/resource/security.conf<br>Linux: *Hitachi-Storage-Command-Suite-Common-Component-Installation-directory*/Base/conf/sec/resource/security.conf<br>3. Make sure you have access permissions for the following file.<br>Windows: *Hitachi-Storage-Command-Suite-Common-Component-installation-folder*\Base\conf\sec\resource\security.conf<br>Solaris: /opt/HiCommand/Base/conf/sec/resource/security.conf<br>Linux: *Hitachi-Storage-Command-Suite-Common-Component-Installation-directory*/Base/conf/sec/resource/security.conf<br>4. If the problem still cannot be solved, collect maintenance information and contact the Support Center. |
| KAPM08910-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM08911-E | A fatal error occurred during processing.<br>Output destinations: Destinations for output level 10. | A fatal error occurred during processing.<br>Collect maintenance information and contact the Support Center. |
| KAPM08912-E | Null is specified for the argument.(*aa...aa*)<br>*aa...aa*: Arguments<br>Output destinations: Destinations for output level 10. | Null is specified for the argument.<br>Collect maintenance information and contact the Support Center. |
| KAPM08913-E | A value is invalid.(*aa...aa*, *bb...bb*)<br>*aa...aa*: Key<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | A value is invalid.<br>Collect maintenance information and contact the Support Center. |
| KAPM08914-E | The request is invalid.<br>Output destinations: Destinations for output level 10, and windows. | The request is invalid.<br>Logout, then login. |
| KAPM08915-E | There is an invalid statement in the configuration file of HBase Storage Mgmt Web Service.<br>Output destinations: Destinations for output level 10, and windows. | There is an invalid statement in the configuration file of HBase Storage Mgmt Web Service.<br>The Listen definition in httpsd.conf, the configuration file of HBase Storage Mgmt Web Service, is invalid.<br>Revise httpsd.conf as follows, and then restart all Suite products, Single Sign On Server, and Common Web Service:<br>(1) Make sure that the Listen definitions of IPv4 non-SSL ports are written before other Listen definitions.<br>(2) Make sure that the value specified for the Listen definition of IPv4 non-SSL ports are valid values. |
| KAPM08980-E | An attempt to acquire RequestDispatcher has failed.<br>*aa...aa*: Jsp name<br>Output destinations: Destinations for output level 10. | An attempt to acquire RequestDispatcher has failed.<br>Collect maintenance information and contact the Support Center. |
| KAPM08999-E | *aa...aa*<br>*aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object<br>Output destinations: Destinations for output level 10. | Detailed information for *KAPMxxxxx-E*. This indicates the thrown exception object and the backtrace for that object.<br>See the message *KAPMxxxxx-E*. |
| KAPM09062-E | An internal error occurred.<br>Output destinations: Destinations for output level 10. | An internal error occurred.<br>Acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM09064-E | No registered information exists.<br>Output destinations: Destinations for output level 10. | No registered information exists.<br>Register the user information by using the set option, and then re-execute the command. If the same message is output again, acquire the maintenance information, and then contact the Support Center. |
| KAPM09065-E | The file format is invalid.<br>Output destinations: Destinations for output level 10. | The file format is invalid.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM09066-E | An error occurred during file I/O processing.<br>Output destinations: Destinations for output level 10. | An error occurred during file I/O processing.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM09067-E | A server has not been registered.<br>Output destinations: Destinations for output level 10. | A server has not been registered.<br>Register the user information by using the set option, and then re-execute the command. If the same message is output again, acquire the maintenance information, and then contact the Support Center. |
| KAPM09068-E | An attempt to read a file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to read a file has failed.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM09069-E | An attempt to output a file has failed.<br>Output destinations: Destinations for output level 10. | An attempt to output a file has failed.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM09070-E | An argument contains a null value.<br>Output destinations: Destinations for output level 10. | An argument contains a null value.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM10009-E | The specified authorization group already exists. (distinguished name = *aa...aa*)<br>*aa...aa*: distinguished-name<br>Output destinations: Destinations for output level 10, and windows. | The specified authorization group already exists.<br>Revise the name of the external authentication group. |
| KAPM10011-E | Communication with the external authentication server has failed. (domain name = *aa...aa*)<br>*aa...aa*: domain-name<br>Output destinations: Destinations for output level 10, and windows. | Communication with the external authentication server has failed.<br>Check the settings for the information search user, the settings of exauth.properties, and the operation of the external authentication server. |
| KAPM10012-E | The information search user is not registered. (domain name = *aa...aa*)<br>*aa...aa*: domain-name<br>Output destinations: Destinations for output level 10, and windows. | Authentication of the information search user has failed.<br>Register the information search user. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM10013-E | An attempt to search for the specified distinguished name has failed. (distinguished name = *aa...aa*)<br>*aa...aa*: distinguished-name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to search for the specified distinguished name has failed.<br>Confirm that the external authentication server is operating normally. |
| KAPM10014-E | DNS communication with the external authentication server has failed. (domain name = *aa...aa*)<br>*aa...aa*: domain-name<br>Output destinations: Destinations for output level 10, and windows. | DNS communication with the external authentication server has failed.<br>Revise the settings and IP address of the external authorization server. |
| KAPM10015-E | The SRV record in the LDAP server is not registered. (distinguished name = *aa...aa*, domain name = *bb...bb*)<br>*aa...aa*: distinguished-name<br>*bb...bb*: domain-name<br>Output destinations: Destinations for output level 10, and windows. | The SRV record in the LDAP server is not registered.<br>Revise the SRV record settings for the LDAP server on DNS. |
| KAPM10016-E | A DNS error has occurred. (distinguished name = *aa...aa*, domain name = *bb...bb*)<br>*aa...aa*: distinguished-name<br>*bb...bb*: domain-name<br>Output destinations: Destinations for output level 10, and windows. | A DNS error has occurred.<br>Revise the DNS settings. |
| KAPM10017-W | The length of the specified distinguished name is invalid. (line number = *aa...aa*, distinguished name = *bb...bb*)<br>*aa...aa*: line number<br>*bb...bb*: distinguished-name<br>Output destinations: Destinations for output level 10, and windows. | The length of the specified distinguished name is invalid.<br>Revise the length of specified distinguished name. |
| KAPM10022-E | The SRV record of the Kerberos server is not registered in DNS. (distinguished name = *aa...aa*, domain name = *bb...bb*)<br>*aa...aa*: distinguished-name<br>*bb...bb*: domain-name<br>Output destinations: Destinations for output level 10, and windows. | The SRV record of the Kerberos server is not registered in DNS.<br>Revise the SRV record settings for the Kerberos server on DNS. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM10029-E | The specified Distinguished Name cannot be found. (Distinguished Name = *aa...aa*)<br>*aa...aa*: Distinguished Name<br>Output destinations: Destinations for output level 10, and windows. | The specified Distinguished Name cannot be found.<br>Check that the Distinguished Name for the specified group is correct. If it is correct, confirm that the information search user has been granted the following permissions:<br>▪ Retrieval permission for the attribute to be retrieved<br>▪ Reference permission for Distinguished Names for groups |
| KAPM10030-W | The specified Distinguished Name already exists. (Distinguished Name = *aa...aa*)<br>*aa...aa*: Distinguished Name<br>Output destinations: Destinations for output level 10, and windows. | The specified Distinguished Name already exists.<br>Check that the specified Distinguished Name is correct. |
| KAPM10031-E | The specified Distinguished Name already exists in another domain. (Distinguished Name = *aa...aa*)<br>*aa...aa*: Distinguished Name<br>Output destinations: Destinations for output level 10, and windows. | The specified Distinguished Name already exists in another domain.<br>Check that the specified Distinguished Name is correct. |
| KAPM10032-E | The operation cannot proceed because the external authentication group linkage function is disabled.<br>Output destinations: Destinations for output level 10, and windows. | The operation cannot proceed because the external authentication group linkage function is disabled.<br>Enable the external authentication group linkage function. |
| KAPM10033-E | No groups that the user belongs to are registered. (user name = *aa...aa*)<br>*aa...aa*: User name<br>Output destinations: Destinations for output level 10. | No groups that the user belongs to are registered.<br>Register a group that the user belongs to and that is on the external authentication server, and then grant the proper permissions to the group. |
| KAPM10034-E | No groups that the user belongs to exist. (user name = *aa...aa*)<br>*aa...aa*: User name<br>Output destinations: Destinations for output level 10. | No groups that the user belongs to exist.<br>Add the user to an appropriate group on the external authentication server. |
| KAPM10100-E | Authentication was canceled because a search user has not been registered. (domain name = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*)<br>*aa...aa*: Domain name<br>*bb...bb*: Host<br>*cc...cc*: Port<br>*dd...dd*: Protocol<br>Output destinations: Destinations for output level 10. | Authentication was canceled because the search user has not been registered.<br>Make sure the search user has been registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM10101-E | Authentication was canceled because a setting in the configuration file for the external authentication server (exauth.properties) is invalid.<br>Output destinations: Destinations for output level 10. | Authentication was canceled because a setting in the configuration file for the external authentication server (exauth.properties) is invalid.<br>Revise the settings in the configuration file for the external authentication server (exauth.properties). |
| KAPM10102-I | The group information was acquired from the LDAP server. (domain name = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*, basedn = *ee...ee*)<br>*aa...aa*: Domain name<br>*bb...bb*: Host<br>*cc...cc*: Port<br>*dd...dd*: Protocol<br>*ee...ee*: BaseDN<br>Output destinations: Destinations for output level 10. | The group information was acquired from an LDAP server. |
| KAPM10103-E | Acquisition of group information failed. (userId = *aa...aa*, domain name = *bb...bb*, host = *cc...cc*, port = *dd...dd,* protocol = *ee...ee,* basedn = *ff...ff*)<br>*aa...aa*: User ID<br>*bb...bb*: Domain name<br>*cc...cc*: Host<br>*dd...dd*: Port<br>*ee...ee*: Protocol<br>*ff...ff*: BaseDN<br>Output destinations: Destinations for output level 10. | Acquisition of group information has failed.<br>Revise the settings in the configuration file for the external authentication server (exauth.properties). |
| KAPM10104-E | Confirmation of the existence of a group failed because a setting in the configuration file for the external authentication server (exauth.properties) is invalid or a search user setting is invalid.<br>Output destinations: Destinations for output level 10. | Confirmation of the existence of a group failed because a setting in the configuration file for the external authentication server (exauth.properties) is invalid or a search user setting is invalid.<br>Revise the settings in the configuration file for the external authentication server (exauth.properties) and the search user settings. |
| KAPM10105-E | A search user has not been registered. (domain name = *aa...aa*)<br>*aa...aa*: Domain name<br>Output destinations: Destinations for output level 10. | The search user has not been registered.<br>Make sure the search user has been registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM10106-I | The existence of a group was successfully confirmed. (groupDN = *aa...aa*, domain name = *bb...bb*, host = *cc...cc*, port = *dd...dd*, protocol = *ee...ee*)<br>*aa...aa*: GroupDN<br>*bb...bb*: Domain name<br>*cc...cc*: Host<br>*dd...dd*: Port<br>*ee...ee*: Protocol<br>Output destinations: Destinations for output level 10. | The existence of a group was successfully confirmed. |
| KAPM10112-I | Authentication by a search user was successful. (host=*aa...aa*, port=*bb...b*b,protocol=*cc...cc*)<br>*aa...aa*: Host<br>*bb...bb*: Port<br>*cc...cc*: Protocol<br>Output destinations: Destinations for output level 10. | Authentication by a search user was successful. |
| KAPM10114-E | Authentication stopped because a setting in the configuration file for the external authentication server (exauth.properties) or a search user setting is invalid.<br>Output destinations: Destinations for output level 10. | Authentication stopped because a setting in the configuration file for the external authentication server (exauth.properties) or a search user setting is invalid.<br>Revise the exauth.properties file or the search user definition. |
| KAPM10115-E | The Kerberos realm, KDC, or a search user definition is invalid. (realm name = *aa...aa*)<br>*aa...aa*: realm-name<br>Output destinations: Destinations for output level 10. | The Kerberos realm, KDC, or a search user definition is invalid.<br>Check and, if necessary, revise the exauth.properties file realm, the KDC or a search user definition. |
| KAPM15002-I | The hcmdscheckauth command will now start.<br>Output destinations: Destinations for output level 10. | The hcmdscheckauth command will now start. |
| KAPM15003-I | The configuration check of aa...aa will now start.<br>*aa...aa*: Phase number<br>Output destinations: Destinations for output level 10, and windows. | The configuration check will now start. |
| KAPM15004-I | The result of the configuration check of *aa...aa* was normal.<br>*aa...aa*: Phase number<br>Output destinations: Destinations for output level 10, and windows. | The result of the configuration check was normal. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15005-E | The result of the configuration check of *aa...aa* was abnormal.<br>*aa...aa*: Phase number<br>Output destinations: Destinations for output level 10, and windows. | The result of the configuration check was abnormal.<br>See the immediately preceding message KAPMxxxxx-E. |
| KAPM15006-I | The configuration of the server *aa...aa* will now be checked.<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | The configuration of the server will now be checked. |
| KAPM15007-I | The result of the configuration check of the server *aa...aa* was normal.<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | The result of the configuration check of the server was normal. |
| KAPM15008-E | The result of the configuration check of the server *aa...aa* was abnormal.<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | The result of the configuration check of the server was abnormal.<br>See the immediately preceding message KAPMxxxxx-E. |
| KAPM15009-I | The configuration check of aa...aa has finished normally.<br>*aa...aa*: Phase number<br>Output destinations: Destinations for output level 10, and windows. | The configuration check has finished normally. |
| KAPM15010-I | The connection to the server *aa...aa* will now be checked. (host = *bb...bb*, port number = *cc...cc*, protocol = *dd...dd*)<br>*aa...aa*: Server name<br>*bb...bb*: Host name<br>*cc...cc*: Port number<br>*dd...dd*: Protocol<br>Output destinations: Destinations for output level 10, and windows. | The connection to the server will now be checked. |
| KAPM15011-I | The server aa...aa can be connected to normally.<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | The connection to the server has been checked successfully. |
| KAPM15012-E | The result of checking the connection to the server aa...aa indicated an error.<br>aa...aa: Server name<br>Output destinations: Destinations for output level 10, and windows. | An attempt to check the connection to the server has failed.<br>Refer to error message KAPM15010-I and the related messages that follow it. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15013-E | A connection error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A connection error occurred.<br>Make sure that the external authentication server is running correctly, and then perform one of the following procedures:<br>For LDAP:<br>If the message KAPM15084-E is displayed after this message, the message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem:<br>1. Make sure that the host or IP address, along with the port and protocol specified in exauth.properties are correct.<br>2. Make sure that the network is correctly connected.<br>3. Check the firewall settings.<br>4. Make sure that the LDAP directory server is compatible with the LDAPv3 protocol.<br>5. Check the SSL settings for when StartTLS is being used. For StartTLS, specify the host, not the IP address.<br>6. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. Make sure that the host or IP address, port name, and protocol specified in exauth.properties are correct.<br>2. Check and then respecify the client secret set for the external authentication server and the secret set for the client.<br>3. Make sure that the network is correctly connected.<br>4. Check the firewall settings.<br>5. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15014-E | An authentication error occurred.<br>Output destinations: Destinations for output level 10, and windows. | An authentication error occurred.<br>Make sure that the user who made the specification is registered in the external authentication server. |
| KAPM15015-I | The command hcmdscheckauth will now finish.<br>Output destinations: Destinations for output level 10. | The command hcmdscheckauth will now finish. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15016-E | A file was not found. (file name = *aa...aa*)<br>aa...aa: File name<br>Output destinations: Destinations for output level 10, and windows. | A file was not found.<br>Make sure that the file exists in the specified folder. |
| KAPM15017-E | A file could not be read. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | A file could not be read.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15018-E | The settings of the external authentication server are invalid.<br>Output destinations: Destinations for output level 10, and windows. | The settings of the external authentication server are invalid.<br>Check and revise the configuration file, specifying valid settings for the external authentication server. |
| KAPM15019-E | The configuration file contains a syntax error. (line number = *aa...aa*, value = *bb...bb*)<br>*aa...aa*: Line number<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10, and windows. | The configuration file contains a syntax error.<br>The value *bb...bb* on line *aa...aa* caused a syntax error. Check and, if necessary, revise the configuration file, and then retry the operation. |
| KAPM15020-E | The same property key already exists. (line number = *aa...aa*, key = *bb...bb*)<br>*aa...aa*: Line number<br>*bb...bb*: Key<br>Output destinations: Destinations for output level 10, and windows. | The same property key already exists.<br>The key bb...bb on line *aa...aa* is a duplicate. Check and, if necessary, revise the configuration file, and then retry the operation. |
| KAPM15021-E | A required parameter has not been specified. (key = *aa...aa*)<br>*aa...aa*: Key<br>Output destinations: Destinations for output level 10, and windows. | A required parameter has not been specified.<br>Specify all required parameters, and then retry the operation. |
| KAPM15022-W | An optional parameter has been omitted. (value = *aa...aa*)<br>*aa...aa*: Value<br>Output destinations: Destinations for output level 10. | An optional parameter has been omitted. (value = *aa...aa*) |
| KAPM15023-W | A property key cannot be identified. (line number = *aa...aa*)<br>*aa...aa*: Line number<br>Output destinations: Destinations for output level 10, and windows. | A property key cannot be identified.<br>Check and, if necessary, review the settings in the configuration file for the external authentication server. |
| KAPM15024-E | A secret does not exist.<br>Output destinations: Destinations for output level 10, and windows. | A secret does not exist.<br>Specify a secret, and then retry the operation. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15025-E | No connection could be made from the secondary server.<br>Output destinations: Destinations for output level 10, and windows. | No connection could be made from the secondary server.<br>Connect from the primary server. |
| KAPM15026-E | A fatal error occurred during processing.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred during processing.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15027-E | An option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An option is invalid.<br>Check and, if necessary, revise the specified options. |
| KAPM15028-E | No value has been specified for an option.<br>Output destinations: Destinations for output level 10, and windows. | No value has been specified for an option.<br>Specify all required options. |
| KAPM15029-E | The value of hcmds.home could not be acquired.<br>Output destinations: Destinations for output level 10, and windows. | The value of hcmds.home could not be acquired.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15030-I | Processing has finished normally. | Processing has finished normally. |
| KAPM15031-E | An exception occurred.<br>Output destinations: Destinations for output level 10, and windows. | An exception occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15032-E | The configuration file was not found. (file name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The configuration file was not found.<br>Confirm that the file exists, that the file is not in use. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15033-E | An error occurred on the *aa...aa* server.<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | A server error occurred.<br>Perform one of the following procedures:<br>For LDAP:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered.<br>3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15034-E | Authentication information cannot be acquired. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | Authentication information cannot be acquired.<br>Use the hcmdsldapuser or hcmdsradiussecret command to reset the authentication information. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15035-I | Authentication information has been acquired.<br>Output destinations: Destinations for output level 10. | Authentication information has been acquired. |
| KAPM15036-E | Authentication information cannot be acquired.<br>Output destinations: Destinations for output level 10, and windows. | Authentication information cannot be acquired.<br>Use the hcmdsldapuser or hcmdsradiussecret command to reset the authentication information.<br>If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15037-E | Specify a value for at least one key. (key = *aa...aa*)<br>*aa...aa*: Key<br>Output destinations: Destinations for output level 10, and windows. | Specify a value for at least one key.<br>Specify key values, and then retry the operation. |
| KAPM15039-I | A connection was successfully established. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | A connection was successfully established. |
| KAPM15040-E | A connection attempt has failed. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | A connection attempt has failed.<br>Make sure that the external authentication server is running correctly, and then perform one of the following procedures:<br>For LDAP:<br>1. Make sure that the host or IP address, along with the port and protocol specified in exauth.properties are correct.<br>2. Make sure that the network is correctly connected.<br>3. Make sure that the LDAP directory server is compatible with the LDAPv3 protocol.<br>4. Check the SSL settings for when StartTLS is being used. For StartTLS, specify the host, not the IP address.<br>5. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. Make sure that the host or IP address, port name, and protocol specified in exauth.properties are correct.<br>2. Check and then respecify the client secret set for the external authentication server and the secret set for the client.<br>3. Make sure that the network is correctly connected.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15041-E | Authentication has failed. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | Authentication has failed.<br>See the KAPMxxxxx-E message of the server aa...aa, above. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15042-E | A syntax error occurred. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | A syntax error occurred.<br>See the KAPMxxxxx-E message of the server aa...aa, above. |
| KAPM15043-E | A check cannot be performed because the external authentication server type is unknown.<br>Output destinations: Destinations for output level 10, and windows. | A check cannot be performed because the external authentication server type is unknown.<br>If necessary, revise the value of auth.server.type, and then retry the operation. |
| KAPM15044-E | A check cannot be performed because the server identification name is unknown.<br>Output destinations: Destinations for output level 10, and windows. | A check cannot be performed because the server identification name is unknown.<br>If necessary, revise the value of auth.server.name, and then retry the operation. |
| KAPM15045-E | A parameter has not been specified. (key = *aa...aa*)<br>*aa...aa*: Key<br>Output destinations: Destinations for output level 10, and windows. | The value for a parameter has not been specified.<br>Specify the value of the parameter aa...aa, and then retry the operation. |
| KAPM15046-E | An invalid value has been specified for a parameter. (key *aa...aa*)<br>*aa...aa*: Key<br>Output destinations: Destinations for output level 10, and windows. | An invalid value has been specified for a parameter.<br>If necessary, revise the value of the parameter aa...aa, and then retry the operation. |
| KAPM15047-I | The authentication method will now be internal authentication.<br>Output destinations: Destinations for output level 10. | The authentication method will now be internal authentication. |
| KAPM15049-E | The configuration file could not be accessed. (File name = *aa...aa*)<br>*aa...aa*: File name<br>Output destinations: Destinations for output level 10, and windows. | The configuration file could not be accessed.<br>Make sure that the configuration file exists, that you have access permissions for this file, and that the file is not in use. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15050-E | Authentication of the user account used for information searching has failed.<br>Output destinations: Destinations for output level 10, and windows. | Authentication of the user account used for information searching failed.<br>Perform one of the following procedures:<br>If the message KAPM15084-E is displayed after this message, the message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem:<br>For LDAP hierarchical structure model:<br>▪ Make sure the DN and the password of the user who is used for searching for information are correct, and then re-execute the hcmdsldapuser command.<br>For LDAP flat model:<br>▪ Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered. |
| KAPM15051-E | The DN of the user account used for information searching was not found.<br>Output destinations: Destinations for output level 10, and windows. | The DN of the user account used for information searching was not found.<br>Perform one of the following procedures:<br>If the message KAPM15084-E is displayed after this message, the message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem:<br>For LDAP hierarchical structure model:<br>▪ Make sure the DN of the user account used for information searching is correct, and then re-execute the command hcmdsldapuser.<br>For LDAP flat model:<br>▪ Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15052-E | Authentication of the specified user has failed.<br>Output destinations: Destinations for output level 10, and windows. | Authentication of the specified user failed.<br>Perform one of the following procedures:<br>For LDAP:<br>If the message KAPM15084-E is displayed after this message, the message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem:<br>1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format.<br>2. Make sure the password for the specified user is correct.<br>3. Make sure the specified user is registered on the external authentication server and is enabled.<br>4. Check, and if necessary, revise the values of basedn and attr for the corresponding server in exauth.properties.<br>5. If an LDAP hierarchical structure model is used, check the following:<br>- Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is registered.<br>- Make sure the user who is used for searching for information has the correct permissions.<br>6. If an LDAP flat model is used, check the following:<br>- Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered.<br>7. If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. Make sure the user is specified correctly.<br>2. Make sure the password of the specified user is specified correctly.<br>3. Make sure the specified user is registered on the external authentication server and is enabled.<br>4. Make sure that the PAP and CHAP settings are valid.<br>5. If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15053-E | The specified user was not found.<br>Output destinations: Destinations for output level 10, and windows. | The specified user was not found.<br>Perform one of the following procedures:<br>If the message KAPM15084-E is displayed after this message, the message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem:<br>1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format.<br>2. Make sure that the specified user is registered in the external authentication server and is enabled.<br>3. Check, and if necessary, revise the values of basedn and attr for the corresponding server in exauth.properties.<br>4. If an LDAP hierarchical structure model is used, check the following:<br>Use the command hcmdsldapuser to make sure that the server name specified for the attribute auth.server.name of exauth.properties is registered.<br>Make sure that the user account used for information searching has the necessary permissions.<br>5. If an LDAP flat model is used, check the following:<br>Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered.<br>6. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15054-E | The specified user was not found. (error code = *aa...aa*)<br>*aa...aa*: Error code<br>Output destinations: Destinations for output level 10. | The specified user was not found.<br>Perform one of the following procedures:<br>If the message KAPM15084-E is displayed after this message, the message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem:<br>1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format.<br>2. Make sure that the specified user is registered in the external authentication server and is enabled.<br>3. Check, and if necessary, revise the values of basedn and attr for the corresponding server in exauth.properties.<br>4. If an LDAP hierarchical structure model is used, check the following:<br>- Use the command hcmdsldapuser to make sure that the server name specified for the attribute auth.server.name of exauth.properties is registered.<br>- Make sure that the user account used for information searching has the necessary permissions.<br>5. If an LDAP flat model is used, check the following:<br>- Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered.<br>6. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15056-E | The specified user was not found.<br>Output destinations: Destinations for output level 10, and windows. | The specified user was not found.<br>Perform the following:<br>1. Make sure that the specified user is registered in the external authentication server.<br>2. Check, and if necessary, revise the basedn and attr values for the corresponding server in exauth.properties.<br>3. If an LDAP hierarchical structure model is used, check the following:<br>Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is registered.<br>Make sure the user who is used for searching for information has the correct permissions. |
| KAPM15057-E | A dn value is invalid.<br>Output destinations: Destinations for output level 10, and windows. | A dn value is invalid.<br>Perform the following:<br>1. Check, and if necessary, revise the basedn value for the corresponding server in the file exauth.properties.<br>2. If you use the hcmdsldapuser command to register the information for the server specified for the attribute auth.server.name in the file exauth.properties make sure you specify a valid value for the dn option. |
| KAPM15058-I | The message outputs LDAP connection information. (*aa...aa* = *bb...bb*, *aa...aa* = *bb...bb*, .....)<br>*aa...aa*: Key<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10. | The message outputs LDAP connection information. |
| KAPM15059-E | *aa...aa*<br>*aa...aa*: Error code details<br>Output destinations: Destinations for output level 10. | This message displays details of the previous error message.<br>Take action according to the preceding message. |
| KAPM15060-I | The file targeted for generation management was successfully saved.<br>Output destinations: In window only. | The file specified by the command was saved successfully. |
| KAPM15061-E | No file targeted for generation management exists.<br>Output destinations: In window only. | The file specified by the command does not exist.<br>Correctly specify the path to the file to be saved. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15062-E | There is not enough free space to save the file.<br>Output destinations: In window only. | There is not enough free space where the file is to be saved.<br>Secure enough disk space where the file is to be saved, and then re-execute the command.<br>If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |
| KAPM15063-E | The specified management target is a directory.<br>Output destinations: In window only. | A directory was specified for the argument of the option that specifies the file.<br>Specify the absolute path to the file to be saved. |
| KAPM15064-E | The permissions for the file to be managed are invalid.<br>Output destinations: In window only. | The permissions for the file specified by the command are invalid.<br>Make sure that you have the permissions for the specified file, and then re-execute the command.<br>If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |
| KAPM15065-E | An attempt to store the managed file has failed.<br>Output destinations: In window only. | An attempt to save the specified file has failed.<br>Check the permissions and save destination for the specified file, and then re-execute the command. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15066-W | The specified number of generations exceeds the maximum (99).<br>Output destinations: In window only. | The value of the option that specifies the number of generations exceeds the maximum.<br>Specify a value from 2 to 98 for the number of generations. |
| KAPM15067-E | Creation of the directory has failed.<br>Output destinations: In window only. | Creation of the directory has failed.<br>Make sure that the location of the directory in which the specified file is to be saved is correct, and then re-execute the command.<br>If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |
| KAPM15068-E | An option is invalid.<br>Output destinations: In window only. | An option is invalid.<br>Specify valid options. |
| KAPM15069-E | A fatal error occurred.<br>Output destinations: In window only. | A fatal error occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM15070-I | The hcmdsfilerotate command has started.<br>*Output destinations: Destinations for the log.* | The hcmdsfilerotate command has started. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15071-I | The hcmdsfilerotate command has ended.<br>Output destinations: Destinations for the log. | The hcmdsfilerotate command has ended. |
| KAPM15072-I | A file whose file number is 99 has been overwritten.<br>Output destinations: Destinations for the log. | If the hcmdsfilerotate command executes 99 times or more within one second, all copied files whose file number was equal to or more than 99 (which is the maximum file number) will be saved with the file number "*99*". |
| KAPM15073-W | The command log cannot be output.<br>Output destinations: In window only. | The command log cannot be output because an environment variable needed for the output is invalid.<br>Revise the values set for the environmental variables needed for the output of the command log. If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |
| KAPM15074-E | The value specified for an option is invalid.<br>Output destinations: Destinations for the log. | This message indicates that the value specified for an option is invalid.<br>Revise the values specified for the options. |
| KAPM15080-E | Authentication of the user account used for information searching has failed. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | Authentication of the user account used for information searching failed.<br>Perform one of the following procedures:<br>For LDAP hierarchical structure model:<br>▪ Make sure the DN and the password of the user who is used for searching for information are correct, and then re-execute the hcmdsldapuser command.<br>For LDAP flat model:<br>▪ Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered. |
| KAPM15081-E | The DN of the user account used for information searching was not found. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | The DN of the user account used for information searching was not found.<br>Perform one of the following procedures:<br>For LDAP hierarchical structure model:<br>▪ Make sure the DN of the user account used for information searching is correct, and then re-execute the command hcmdsldapuser.<br>For LDAP flat model:<br>▪ Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15082-E | Authentication of the specified user has failed. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | Authentication of the specified user failed.<br>Perform one of the following procedures for LDAP:<br>1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format.<br>2. Make sure the password for the specified user is correct.<br>3. Make sure the specified user is registered on the external authentication server and is enabled.<br>4. Check, and if necessary, revise the values of basedn and attr for the corresponding server in exauth.properties.<br>5. If an LDAP hierarchical structure model is used, check the following:<br>- Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is registered.<br>- Make sure the user who is used for searching for information has the correct permissions.<br>6. If an LDAP flat model is used, check the following:<br>- Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered.<br>7. If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. Make sure the user is specified correctly.<br>2. Make sure the password of the specified user is specified correctly.<br>3. Make sure the specified user is registered on the external authentication server and is enabled.<br>4. Make sure that the PAP and CHAP settings are valid.<br>5. If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15083-E | The specified user was not found. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | The specified user was not found.<br>Perform one of the following procedures:<br>1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format.<br>2. Make sure that the specified user is registered in the external authentication server and is enabled.<br>3. Check, and if necessary, revise the values of basedn and attr for the corresponding server in exauth.properties.<br>4. If an LDAP hierarchical structure model is used, check the following:<br>- Use the command hcmdsldapuser to make sure that the server name specified for the attribute auth.server.name of exauth.properties is registered.<br>- Make sure that the user account used for information searching has the necessary permissions.<br>5. If an LDAP flat model is used, check the following:<br>- Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered.<br>6. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15084-E | LDAP directory server error is detected. (information = *aa...aa*)<br>*aa...aa*: Information<br>Output destinations: Destinations for output level 10, and windows. | LDAP directory server error is detected. |
| KAPM15085-E | An SSL setting is invalid.<br>Output destinations: Destinations for output level 10, and windows. | An SSL setting is invalid.<br>Check and, if necessary, revise the SSL settings. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15086-E | The specified user was not found. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | The specified user was not found.<br>Perform the following:<br>1. Make sure that the specified user is registered in the external authentication server.<br>2. Check, and if necessary, revise the basedn and attr values for the corresponding server in exauth.properties.<br>3. If an LDAP hierarchical structure model is used, check the following:<br>Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is registered.<br>Make sure the user who is used for searching for information has the correct permissions. |
| KAPM15087-E | A dn value is invalid. (server name = *aa...aa*)<br>*aa...aa*: Server name<br>Output destinations: Destinations for output level 10, and windows. | A dn value is invalid.<br>Perform the following:<br>1. Check, and if necessary, revise the basedn value for the corresponding server in the file exauth.properties.<br>2. If you use the hcmdsldapuser command to register the information for the server specified for the attribute auth.server.name in the file exauth.properties make sure you specify a valid value for the dn option. |
| KAPM15088-I | The common-items check will now start.<br>Output destinations: Destinations for output level 10, and windows. | The common-items check will now start. |
| KAPM15089-I | The results of the common-items check were normal.<br>Output destinations: Destinations for output level 10, and windows. | The results of the common-items check were normal. |
| KAPM15090-E | The results of the common-items check include abnormal values.<br>Output destinations: Destinations for output level 10, and windows. | The results of the common-items check include abnormal values.<br>See the message KAPMxxxxx-E. |
| KAPM15091-I | The individual-realm check will now start.<br>Output destinations: Destinations for output level 10, and windows. | The individual-realm check will now start. |
| KAPM15092-I | The results of the realm identified name *aa...aa* check were normal.<br>*aa...aa*: Realm identified name<br>Output destinations: Destinations for output level 10, and windows. | The results of the realm identified name *aa...aa* check were normal. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15093-E | The results of the realm identified name *aa...aa* check include abnormal values.<br>*aa...aa*: Realm identified name<br>Output destinations: Destinations for output level 10, and windows. | The results of the realm identified name *aa...aa* check include abnormal values.<br>See the message KAPMxxxxx-E. |
| KAPM15094-I | The results of the individual-realm check were normal.<br>Output destinations: Destinations for output level 10, and windows. | The results of the individual-realm check were normal. |
| KAPM15095-E | The results of the individual-realm check include abnormal values.<br>Output destinations: Destinations for output level 10, and windows. | The results of the individual-realm check include abnormal values.<br>See the message KAPMxxxxx-E. |
| KAPM15096-E | The same value already exists. (line number = *aa...aa*, value = *bb...bb*)<br>*aa...aa*: Line number<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10, and windows. | The same value already exists.<br>There are duplicate *bb...bb* values on line *aa...aa*. Check and, if necessary, revise the configuration file, and then retry the operation. |
| KAPM15097-E | There is no auth.kerberos.<realm identification name>.realm that corresponds to auth.kerberos.default_realm.<br>Output destinations: Destinations for output level 10, and windows. | There is no auth.kerberos.<realm identification name>.realm that corresponds to auth.kerberos.default_realm.<br>Specify auth.kerberos.<realm identification name>.realm as the realm that corresponds to auth.kerberos.default_realm in exauth.properties. |
| KAPM15098-I | The server connection will now be checked. (user id = *aa...aa*, realm name = *bb...bb*)<br>*aa...aa*: User ID<br>*bb...bb*: Realm name<br>Output destinations: Destinations for output level 10, and windows. | The server connection will now be checked. |
| KAPM15102-I | The hcmdsunlockaccount command has started.<br>Output destinations: Destinations for output level 10. | The hcmdsunlockaccount command has started. |
| KAPM15103-I | The hcmdsunlockaccount command has finished.<br>Output destinations: Destinations for output level 10. | The hcmdsunlockaccount command has finished. |
| KAPM15104-E | The hcmdsunlockaccount command cannot be executed on the secondary server. Execute this command on the primary server.<br>Output destinations: Destinations for output level 10, and windows. | The hcmdsunlockaccount command cannot be executed on the secondary server. Execute this command on the primary server.<br>Execute the hcmdsunlockaccount command on the primary server. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15105-E | The user account to be unlocked does not have the User Management permission.<br>Output destinations: Destinations for output level 10, and windows. | The user account to be unlocked does not have the User Management permission.<br>Specify a user who has the User Management permission. |
| KAPM15108-I | The user account was unlocked successfully.<br>Output destinations: Destinations for output level 10, and windows. | The user account was unlocked successfully. |
| KAPM15109-I | The user account "*aa...aa*" will now be unlocked.<br>*aa...aa*: User name<br>Output destinations: Destinations for output level 10, and windows. | The user account "*aa...aa*" will now be unlocked. |
| KAPM15110-E | The value of hcmds.home could not be acquired.<br>Output destinations: Destinations for output level 10. | The value of hcmds.home could not be acquired.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15111-E | A command option is invalid.<br>Output destinations: Destinations for output level 10, and windows. | A command option is invalid.<br>Check the options. |
| KAPM15112-E | No value has been specified for an option.<br>Output destinations: Destinations for output level 10, and windows. | No value has been specified for an option.<br>Check the options. |
| KAPM15113-E | A fatal error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A fatal error occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15114-E | Communication with the authentication server has failed.<br>Output destinations: Destinations for output level 10, and windows. | Communication with the authentication server has failed.<br>Make sure the HBase Storage Mgmt Common Service or the HBase Storage Mgmt Web Service on the server has started. |
| KAPM15115-E | The user ID or password is incorrect.<br>Output destinations: Destinations for output level 10, and windows. | The user ID or password is incorrect.<br>Make sure that the user ID and password are correct. |
| KAPM15116-E | An HSSOException occurred.<br>Output destinations: Destinations for output level 10. | An HSSOException occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15117-E | An IOException occurred.<br>Output destinations: Destinations for output level 10. | An IOException occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15118-E | An HcmdsIllegalArgumentException occurred.<br>Output destinations: Destinations for output level 10. | An HcmdsIllegalArgumentException occurred.<br>Acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15119-E | An HcmdsUserManagementException occurred.<br>Output destinations: Destinations for output level 10. | An HcmdsUserManagementException occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15120-E | An exception occurred.<br>Output destinations: Destinations for output level 10. | An exception occurred.<br>Acquire the maintenance information, and then contact the Support Center. |
| KAPM15170-E | Acquisition of the installation path has failed.<br>Output destinations: In window only. | Acquisition of the installation path has failed.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM15171-E | The command *aa...aa* will stop because internal processing failed. (details = *bb...bb*)<br>*aa...aa*: Command name<br>*bb...bb*: Details<br>Output destinations: Destinations for output level 10, and windows. | The specified command will stop because internal processing failed.<br>Re-execute the command. If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15172-W | Log initialization failed.<br>Output destinations: In window only. | Log initialization failed.<br>If the problem occurs frequently, collect maintenance information, and then contact the Support Center. |
| KAPM15173-E | A memory allocation error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A memory allocation error occurred.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM15174-E | The command *aa...aa* will stop because setting of an environment variable failed. (details = *bb...bb*)<br>*aa...aa*: Command name<br>*bb...bb*: Details<br>Output destinations: Destinations for output level 10, and windows. | The command will stop because setting of an environment variable failed.<br>Re-execute the command. If this does not resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15175-E | An error occurred in an internal function. (function = *aa...aa*, error code = *bb...bb*)<br>*aa...aa*: Function<br>*bb...bb*: Error code<br>Output destinations: Destinations for output level 10. | An error occurred in an internal function.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM15200-I | A connection was successfully established. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | A connection was successfully established. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15201-E | An attempt to connect failed. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | An attempt to connect failed.<br>Make sure that the external authentication server is running correctly, and then perform one of the following:<br>1. Make sure that the realm name and KDC specified in exauth.properties are correct.<br>2. Make sure that the network is connected correctly.<br>3. Check the firewall settings.<br>4. Make sure that Kerberos is compatible with the external authentication server.<br>5. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15202-E | An attempt to connect to the DNS server failed.<br>Output destinations: Destinations for output level 10, and windows. | An attempt to connect to the DNS server failed.<br>Check and, if necessary, revise the DNS server settings. |
| KAPM15203-E | On the DNS server,the SRV record corresponding to the realm name is not defined. (realm name = *aa...aa*)<br>*aa...aa*: Realm name<br>Output destinations: Destinations for output level 10, and windows. | On the DNS server,the SRV record corresponding to the realm name is not defined.<br>Perform one of the following procedures:<br>▪ Make sure that the realm name is correct.<br>▪ On the DNS server, define the SRV record corresponding to the realm name. |
| KAPM15204-E | An unexpected error occurred on the DNS server.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected error occurred on the DNS server.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM15205-E | The KDC resolution failed. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | The KDC resolution failed.<br>Check and, if necessary, revise the DNS server settings. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15206-E | An attempt to authenticate failed. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | An attempt to authenticate failed.<br>Perform one of the following procedures:<br>▪ Make sure the specified user is registered on the external authentication server.<br>▪ Check the password of the specified user.<br>▪ Make sure the time difference between servers not exceeds the specified value in the exauth.properties.<br>▪ Make sure the authentication user password has not expired.<br>▪ Make sure the authentication user account is not invalid. |
| KAPM15207-E | The specified user was not found. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | The specified user was not found.<br>Make sure the specified user is registered on the external authentication server. |
| KAPM15208-E | The specified password is invalid. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | The specified password is invalid.<br>Check the password of the specified user. |
| KAPM15209-E | The time difference between servers exceeds the specified value in the exauth.properties. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | The time difference between servers exceeds the specified value in the exauth.properties.<br>Make sure that the server times are synchronized. |
| KAPM15210-E | The authentication user password has expired. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | The authentication user password has expired.<br>Change the password of the specified user. |
| KAPM15211-E | The authentication user account is invalid. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | The authentication user account is invalid.<br>Validate the registered user on the external authentication server. |
| KAPM15212-I | Check the DNS server to confirm the connection status.<br>Output destinations: Destinations for output level 10, and windows. | Check the DNS server to confirm the connection status. |
| KAPM15213-I | Use the default realm to confirm the connection status.<br>Output destinations: Destinations for output level 10, and windows. | Use the default realm to confirm the connection status. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15214-E | The command cannot be executed on the secondary server.<br>Output destinations: Destinations for output level 10, and windows. | The command cannot be executed on the secondary server. |
| KAPM15215-E | Creation of the file failed. (file name = *aa...aa*)<br>*aa*...aa: File name<br>Output destinations: Destinations for output level 10. | Creation of the file failed.<br>Perform one of the following procedures:<br>▪ Make sure the file path is correct.<br>▪ Make sure you have permission to create a file on the specified path.<br>▪ Make sure there are no files that have the same name as the specified file. |
| KAPM15216-E | A syntax error occurred.<br>Output destinations: Destinations for output level 10, and windows. | A syntax error occurred.<br>See the message KAPMxxxxx-E. |
| KAPM15217-W | The DBMS is not running.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS is not running.<br>Make sure that the DBMS is running. |
| KAPM15218-W | The DBMS is blocked.<br>Output destinations: Destinations for output level 10, and windows. | The DBMS is blocked.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM15219-W | An error occurred while the DBMS was being accessed.<br>Output destinations: Destinations for output level 10, and windows. | An error occurred while the DBMS was being accessed.<br>Make sure that the DBMS, HBase Storage Mgmt Web Service, and HBase Storage Mgmt Common Service are running. If they are running, collect maintenance information, and then contact the Support Center. |
| KAPM15220-W | The user to be authenticated was not found in the DBMS. (user id = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10, and windows. | The user to be authenticated was not found in the DBMS. (user id = *aa...aa*)<br>Make sure *aa...aa* is registered in the DBMS. |
| KAPM15221-W | An unexpected error occurred on the DBMS.<br>Output destinations: Destinations for output level 10, and windows. | An unexpected error occurred on the DBMS.<br>Retry. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15222-E | Acquisition of the KDC from *aa...aa* failed.<br>*aa...aa*: Realm name<br>Output destinations: Destinations for output level 10, and windows. | Acquisition of the KDC from *aa...aa* failed.<br>Perform one of the following procedures:<br>▪ Make sure that the realm name is correct.<br>▪ Make sure that there is a KDC corresponding to the realm name. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15223-E | An unexpected error occurred. (KDC = *aa...aa*)<br>*aa...aa*: KDC<br>Output destinations: Destinations for output level 10, and windows. | An unexpected error occurred. (KDC = *aa...aa*)<br>Retry. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15224-W | The specified user is not registered in the DBMS as a user of the Kerberos authentication method. (user id = *aa...aa*)<br>*aa...aa*: User ID<br>Output destinations: Destinations for output level 10, and windows. | The specified user is not registered in the DBMS as a user of the Kerberos authentication method. (user id = *aa...aa*)<br>Perform one of the following procedures:<br>▪ Change the specified user authentication method to Kerberos.<br>▪ Create a new user of the Kerberos authentication method. |
| KAPM15225-W | The configuration file contains a syntax error. (line number = *aa...aa*, value = *bb...bb*)<br>*aa...aa*: Line number<br>*bb...bb*: Value<br>Output destinations: Destinations for output level 10, and windows. | The configuration file contains a syntax error.<br>The value *bb...bb* on line *aa...aa* caused a syntax error. Check and, if necessary, revise the configuration file, and then retry the operation. |
| KAPM15226-E | An information search user is not registered. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | An information search user is not registered.<br>Register an information search user for *bb...bb*. |
| KAPM15227-I | Group linkage is enabled.<br>Output destinations: Destinations for output level 10, and windows. | Group linkage is enabled. |
| KAPM15228-W | The external authentication group was not linked to because an authentication user was found on the DBMS.<br>Output destinations: Destinations for output level 10, and windows. | The external authentication group was not linked to because an authentication user was found on the DBMS.<br>When linking to an external authentication group, specify a user not registered in Hitachi Storage Command Suite. |
| KAPM15229-I | Group acquisition for the server will now be checked. (*aa...aa* = *bb...bb*, host = *cc...cc*, port = *dd...dd*, protocol = *ee...ee*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>*cc...cc*: Host name<br>*dd...dd*: Port number<br>*ee...ee*: Protocol<br>Output destinations: Destinations for output level 10, and windows. | Group acquisition for the server will now be checked. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15230-I | Group acquisition was successful.<br>Output destinations: Destinations for output level 10, and windows. | Group acquisition was successful. |
| KAPM15231-E | Group acquisition failed.<br>Output destinations: Destinations for output level 10, and windows. | Group acquisition failed.<br>Perform one of the following actions:<br>▪ Make sure that the specified user is registered in a group.<br>▪ Check, and if necessary, revise the values of basedn for the corresponding server in exauth.properties. |
| KAPM15232-E | The group was not registered.<br>Output destinations: Destinations for output level 10, and windows. | The group was not registered.<br>Register the group to the specified user. Alternatively, specify the user to whom the group is registered. |
| KAPM15233-E | On the DNS server, the SRV record corresponding to the domain name is not defined. (domain name = *aa...aa*)<br>*aa...aa*: Domain name<br>Output destinations: Destinations for output level 10, and windows. | On the DNS server, the SRV record corresponding to the domain name is not defined.<br>Perform one of the following actions:<br>▪ On the DNS server, define the SRV record corresponding to the domain name.<br>▪ Make sure that the domain name is correct. |
| KAPM15234-I | The DNS server has been referenced. (*aa...aa* = *bb...bb*, domain name = *cc...cc*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>*cc...cc*: Domain name<br>Output destinations: Destinations for output level 10, and windows. | The DNS server has been referenced. |
| KAPM15235-E | A server error occurred. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | A server error occurred.<br>Perform one of the following procedures:<br>1. By using the host, port, and protocol set in "exauth.properties", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.<br>2. By using the hcmdsldapuser command, check that the information for the server names specified in the "auth.server.name" attribute in "exauth.properties" is registered.<br>3. If StartTLS is used, check the SSL settings.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15236-E | A check cannot be performed because the group definition is invalid.<br>Output destinations: Destinations for output level 10, and windows. | A check cannot be performed because the group definition is invalid.<br>Revise the auth.group.mapping value, and then retry the operation. |
| KAPM15237-I | Group acquisition was successful. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | Group acquisition was successful. |
| KAPM15238-E | Group acquisition failed. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | Group acquisition failed.<br>Perform one of the following actions:<br>▪ Make sure that the specified user is registered in a group.<br>▪ Check, and if necessary, revise the values of basedn for the corresponding server in exauth.properties. |
| KAPM15239-E | The group was not registered. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | The group was not registered.<br>Register the group to the specified user. Alternatively, specify the user to whom the group is registered. |
| KAPM15240-E | On the DNS server,the SRV record corresponding to the domain name is not defined. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | On the DNS server,the SRV record corresponding to the domain name is not defined.<br>Perform one of the following actions:<br>▪ On the DNS server, define the SRV record corresponding to the domain name.<br>▪ Make sure that the domain name is correct. |
| KAPM15241-E | An attempt to connect to the DNS server failed. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | An attempt to connect to the DNS server failed.<br>Check and, if necessary, revise the DNS server settings. |
| KAPM15242-E | An unexpected error occurred on the DNS server. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | An unexpected error occurred on the DNS server.<br>Collect maintenance information, and then contact the Support Center. |
| KAPM15243-E | The common items cannot be checked because they are not set correctly.<br>Output destinations: Destinations for output level 10, and windows. | The common items cannot be checked because they are not set correctly.<br>Revise the settings for the common items, and then retry the operation. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15244-I | The connection for realm *aa...aa* was checked.<br>*aa...aa*: Realm name<br>Output destinations: Destinations for output level 10, and windows. | The connection for realm aa...aa was checked. |
| KAPM15245-I | A connection was successfully established. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | A connection was successfully established. |
| KAPM15246-E | A connection attempt has failed. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | A connection attempt has failed.<br>Make sure that the external authentication server is running correctly, and then perform one of the following procedures:<br>For LDAP:<br>1. Make sure that the host or IP address, along with the port and protocol specified in `exauth.properties` are correct.<br>2. Make sure that the network is correctly connected.<br>3. Make sure that the LDAP directory server is compatible with the LDAPv3 protocol.<br>4. Check the SSL settings for when StartTLS is being used. For StartTLS, specify the host, not the IP address.<br>5. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. Make sure that the host or IP address, port name, and protocol specified in `exauth.properties` are correct.<br>2. Check and then respecify the client secret set for the external authentication server and the secret set for the client.<br>3. Make sure that the network is correctly connected.<br>4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15247-E | Authentication of the user account used for information searching has failed. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | Authentication of the user account used for information searching failed.<br>Perform one of the following procedures:<br>For LDAP hierarchical structure model:<br>▪ Make sure the DN and the password of the user who is used for searching for information are correct, and then re-execute the hcmdsldapuser command.<br>For LDAP flat model:<br>▪ Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered. |
| KAPM15248-E | The DN of the user account used for information searching was not found. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | The DN of the user account used for information searching was not found.<br>Perform one of the following procedures:<br>For LDAP hierarchical structure model:<br>▪ Make sure the DN of the user account used for information searching is correct, and then re-execute the command hcmdsldapuser.<br>For LDAP flat model:<br>▪ Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15249-E | Authentication of the specified user has failed. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | Authentication of the specified user failed.<br>Perform one of the following procedures for LDAP:<br>1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format.<br>2. Make sure the password for the specified user is correct.<br>3. Make sure the specified user is registered on the external authentication server and is enabled.<br>4. Check, and if necessary, revise the values of basedn and attr for the corresponding server in exauth.properties.<br>5. If an LDAP hierarchical structure model is used, check the following:<br>Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is registered.<br>Make sure the user who is used for searching for information has the correct permissions.<br>6. If an LDAP flat model is used, check the following:<br>Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered.<br>7. If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center.<br>For RADIUS:<br>1. Make sure the user is specified correctly.<br>2. Make sure the password of the specified user is specified correctly.<br>3. Make sure the specified user is registered on the external authentication server and is enabled.<br>4. Make sure that the PAP and CHAP settings are valid.<br>5. If this does not resolve the problem, acquire the maintenance information, and then contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15250-E | The specified user was not found. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | The specified user was not found.<br>Perform one of the following procedures:<br>1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format.<br>2. Make sure that the specified user is registered in the external authentication server and is enabled.<br>3. Check, and if necessary, revise the values of basedn and attr for the corresponding server in exauth.properties.<br>4. If an LDAP hierarchical structure model is used, check the following:<br>Use the command hcmdsldapuser to make sure that the server name specified for the attribute auth.server.name of exauth.properties is registered.<br>Make sure that the user account used for information searching has the necessary permissions.<br>5. If an LDAP flat model is used, check the following:<br>Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is not registered.<br>6. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. |
| KAPM15251-E | The specified user was not found. (*aa...aa* = *bb...bb*)<br>*aa...aa*: Property name<br>*bb...bb*: Property value<br>Output destinations: Destinations for output level 10, and windows. | The specified user was not found.<br>Perform the following:<br>1. Make sure that the specified user is registered in the external authentication server.<br>2. Check, and if necessary, revise the basedn and attr values for the corresponding server in exauth.properties.<br>3. If an LDAP hierarchical structure model is used, check the following:<br>Using the hcmdsldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is registered.<br>Make sure the user who is used for searching for information has the correct permissions. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KAPM15252-E | A dn value is invalid. (aa...aa = bb...bb)<br>aa...aa: Property name<br>bb...bb: Property value<br>Output destinations: Destinations for output level 10, and windows. | A dn value is invalid.<br>Perform the following:<br>1. Check, and if necessary, revise the basedn value for the corresponding server in the file exauth.properties.<br>2. If you use the hcmdsldapuser command to register the information for the server specified for the attribute auth.server.name in the file exauth.properties make sure you specify a valid value for the dn option. |
| KAPM49001-E | *aa...aa*<br>*aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object<br>Output destinations: Destinations for output level 10. | Detailed information for *KAPMxxxxx-E*. This indicates the thrown exception object and the backtrace for that object.<br>See the message *KAPMxxxxx-E*. |

## Table 8-2 Hitachi Storage Command Suite Common Component Messages (KDJE)

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KDJE41000-E | Failed to connect to web container. errno=*aa...aa*, *bb...bb*, *cc...cc*<br>*aa...aa*: System-specific error number<br>*bb...bb*: Web container IP address used to communicate with the web server<br>*cc...cc*: Web container port number used to communicate with the web server<br>Output destinations: syslog/Eventlog | An attempt to connect to the web container has failed.<br>Make sure that:<br>1. The worker port number is correct.<br>2. The worker host name or IP address is correct.<br>3. The queue for web container execution does not exceed the maximum limit.<br>4. The web container has started.<br>Remove the cause of the error by following the error's system-specific error number (this is a value defined in errno.h in a UNIX system, and the return value of WSAGetLastError() in a Windows system). |
| KDJE41001-E | Redirection to worker *aa...aa* failed.<br>*aa...aa*: Worker name<br>Output destinations: syslog/Eventlog | An error occurred while communicating with the worker.<br>An error occurred while communicating to worker *aa...aa*. Follow the message last output (such as KDJE41000) to solve the problem. |
| KDJE41002-E | Could not redirect the request to worker. Because redirector could not access the definition file : *aa...aa*<br>*aa...aa*: File name<br>Output destinations: syslog/Eventlog | The request could not be redirected to the worker because the redirector could not access the definition file.<br>The definition file of *aa...aa* could not be accessed. Check the access permissions and whether the definition file exists, and restart the web server. |
| KDJE41003-W | Invalid parameter value is specified in *aa...aa* file : (*bb...bb*=*cc...cc*). Default parameter value is used : *dd...dd*<br>*aa...aa*: File name<br>*bb...bb*: Parameter name<br>*cc...cc*: Value<br>*dd...dd*: Default value<br>Output destinations: syslog/Eventlog | The value specified in the parameter is invalid. The default value will be used.<br>To change the value of the *bb...bb* parameter of *aa...aa* file from the default value to an appropriate value, and restart the web server. |
| KDJE41004-E | Could not redirect the request to a worker because request header was too long.<br>Output destinations: syslog/Eventlog | The redirector could not make a request to the worker, because the header size of the HTTP request is too large.<br>Remove the cause of the overly large HTTP request header, and re-access the worker. A possible cause is that the HTTP GET method is being used instead of the POST method. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KDJE41005-E | Could not redirect the request to a worker because worker name which is specified in the mapping definition file was not defined to worker.list parameter in the workers definition file. (worker name=*aa...aa*)<br>*aa...aa*: Worker name<br>Output destinations: syslog/Eventlog | The redirector cannot redirect the request to the worker because the worker specified in the mapping definition file is not defined in the worker.list parameters.<br>Specify the worker name (*aa...aa*) defined in the mapping definition file (default name: `uriworkermap.properties`) in the worker.list parameters of the worker definition file (default name: `uriworkermap.properties`), and restart the web server. |
| KDJE41006-E | Could not redirect the request to a worker because a required parameter was not specified in the workers definition file. (parameter=*aa...aa*)<br>*aa...aa*: Parameter name<br>Output destinations: syslog/Eventlog | The redirector cannot redirect the request to the worker because a required parameter has not been specified in the worker definition file.<br>Specify the *aa...aa* parameter in the worker definition file (default name: workers.properties), and restart the web server. |
| KDJE41007-E | Could not redirect the request to a worker because invalid value was specified in the workers definition file. (parameter=*aa...aa*,value=*bb...bb*)<br>*aa...aa*: Parameter name<br>*bb...bb*: Value<br>Output destinations: syslog/Eventlog | The redirector could not redirect the request to the worker because the parameter value specified in the worker definition file is invalid.<br>Specify an appropriate value for the worker definition file (default name: `workers.properties`) parameter (*aa...aa*), and restart the web server. |
| KDJE41008-W | Invalid parameter value is specified in the workers definition file (parameter=*aa...aa*,value=*bb...bb*). Default parameter value is used : *cc...cc*<br>*aa...aa*: Parameter name<br>*bb...bb*: Value<br>*cc...cc*: Default value<br>Output destinations: syslog/Eventlog | The parameter value specified in the worker definition file is invalid. The default value will be used.<br>To change the worker definition file (default name: `workers.properties`) parameter (*aa...aa*) from the default value, specify an appropriate value in the *aa...aa* parameter, and restart the web server. |
| KDJE41009-E | Could not create worker because it is out of memory.<br>Output destinations: syslog/Eventlog | The worker could not be created because memory is insufficient.<br>Memory has become insufficient. Secure more memory for the system, and restart the web server. This happens when a value specified in the worker definition file parameter (`worker.`*worker-name*`.cachesize`) is too large. The `worker.`*worker-name*`.cachesize` value consumes memory as per the following formula:<br>Memory consumption = (`worker.`*worker-name*`.cachesize` value) * 10 kilobytes |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KDJE41010-E | Failed to connect to web client. errno=*aa...aa*<br>*aa...aa*: System-specific error number<br>Output destinations: syslog/Eventlog | An attempt to communicate with the client that submitted the requested has failed.<br>The client who submitted the request may have stopped during communication. Remove the cause of the error by following the error's system-specific error number (this is the definition value of errno.h in a UNIX system, and the return value of WSAGetLastError() in a Windows system). |
| KDJE41012-E | The uri pattern that does not start with '/' was specified in the *aa...aa* file. This parameter is ignored(*bb...bb* to *cc...cc*).<br>*aa...aa*: File name<br>*bb...bb*: URI pattern<br>*cc...cc*: Worker name<br>Output destinations: syslog/Eventlog | The URI pattern specified in the definition file does not start with the "/" character. This parameter will be ignored.<br>To validate the specified URI pattern and worker name, start the *bb...bb* URI pattern of the *aa...aa* file with a "/" character, and restart the web server. |
| KDJE41016-E | Could not redirect the request because it is out of memory.<br>Output destinations: syslog/Eventlog | The redirector cannot transfer the request because memory is insufficient.<br>Memory has become insufficient. Secure more memory for the system, and restart the web server. |
| No message ID | The service named *aa...aa* reported the following error:>>> *bb...bb* <<<before the error.log file could be opened.More information may be available in the error.log file.<br>*aa...aa*: Name of the executable file of HBase Storage Mgmt Web Service<br>*bb...bb*: Message text<br>Output to event log | The error described in *bb...bb* occurred before the log file (error.log) was opened.<br>Remove the error cause indicated by the message text, and restart the HBase Storage Mgmt Web Service. |

## Table 8-3 Hitachi Storage Command Suite Common Component Messages (KEHG)

| Error Code | Error Message | Description and Action |
|---|---|---|
| KEHG00101-E | An empty string or null was specified for the element name.<br>Output destinations: Destinations for output level 10. | An empty string or null was specified for the element name.<br>Collect maintenance information and contact the Support Center. |
| KEHG00102-E | An empty string or null was specified for the attribute name.<br>Output destinations: Destinations for output level 10. | An empty string or null was specified for the attribute name.<br>Collect maintenance information and contact the Support Center. |
| KEHG00103-E | An object in PageContext (*aa...aa*) is invalid.<br>*aa...aa*: Name of the invalid object<br>Output destinations: Destinations for output level 10. | An object in PageContext (*aa...aa*) is invalid.<br>Collect maintenance information and contact the Support Center. |
| KEHG00104-E | The specified application name is invalid.<br>Output destinations: Destinations for output level 10. | The specified application name is invalid.<br>Collect maintenance information and contact the Support Center. |
| KEHG00105-E | The parts initialization has not been performed.<br>Output destinations: Destinations for output level 10. | The parts initialization has not been performed.<br>Collect maintenance information and contact the Support Center. |
| KEHG05710-E | The first column cannot be a value.<br>Output destinations: Destinations for output level 10. | The first column cannot be a value.<br>Collect maintenance information and contact the Support Center. |
| KEHG05711-E | Values cannot be used for two consecutive columns.<br>Output destinations: Destinations for output level 10. | Values cannot be used for two consecutive columns.<br>Collect maintenance information and contact the Support Center. |
| KEHG05712-E | The last column cannot be a label.<br>Output destinations: Destinations for output level 10. | The last column cannot be a label.<br>Collect maintenance information and contact the Support Center. |
| KEHG05713-E | The first line cannot be a value line.<br>Output destinations: Destinations for output level 10. | The first line cannot be a value line.<br>Collect maintenance information and contact the Support Center. |
| KEHG05714-E | Value lines cannot be used for two consecutive lines.<br>Output destinations: Destinations for output level 10. | Value lines cannot be used for two consecutive lines.<br>Collect maintenance information and contact the Support Center. |
| KEHG05715-E | The last line cannot be a label line.<br>Output destinations: Destinations for output level 10. | The last line cannot be a label line.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KEHG05901-E | Neither postName nor url has been specified.<br>Output destinations: Destinations for output level 10. | Neither postName nor url has been specified.<br>Check the JPS coding. |
| KEHG05902-E | postValue was specified without postName being specified.<br>Output destinations: Destinations for output level 10. | postValue was specified without postName being specified.<br>Check the JPS coding. |
| KEHG06500-E | Neither postName nor the URL parameter have been specified.<br>Output destinations: Destinations for output level 10. | Neither postName nor the URL parameter have been specified.<br>Collect maintenance information and contact the Support Center. |
| KEHG07501-W | The file "*aa...aa*" could not be read. Path = *bb...bb* Detail: *cc...cc*<br>*aa...aa*: File name<br>*bb...bb*: Path<br>*cc...cc*: Error information<br>Output destinations: Destinations for output level 10. | The file "*aa...aa*" could not be read.<br>Collect maintenance information and contact the Support Center. |
| KEHG07502-E | Authentication has failed.<br>Output destinations: Destinations for output level 10. | Authentication has failed.<br>Collect maintenance information and contact the Support Center. |
| KEHG07504-E | An attempt to acquire the link and launch information failed. PP Type = *aa...aa*<br>*aa...aa*: PP type<br>Output destinations: Destinations for output level 10. | An attempt to acquire the link and launch information failed.<br>Collect maintenance information and contact the Support Center. |
| KEHG08301-E | An attempt to read the file (*aa...aa*) has failed.<br>*aa...aa*: Name of the file that could not be read<br>Output destinations: Destinations for output level 10. | An attempt to read the file (*aa...aa*) has failed.<br>Collect maintenance information and contact the Support Center. |
| KEHG08302-E | The specified application name is not registered in HiCommand Suite Common Component.<br>Output destinations: Destinations for output level 10. | The specified application name is not registered in Hitachi Storage Command Suite Common Component.<br>Collect maintenance information and contact the Support Center. |
| KEHG08303-E | An attempt to authenticate HiCommand Suite Common Component has failed.<br>Output destinations: Destinations for output level 10. | An attempt to authenticate Hitachi Storage Command Suite Common Component has failed.<br>Collect maintenance information and contact the Support Center. |
| KEHG08304-E | An attempt to communicate with the HiCommand Suite Common Component has failed.<br>Output destinations: Destinations for output level 10. | An attempt to communicate with Hitachi Storage Command Suite Common Component has failed.<br>Collect maintenance information and contact the Support Center. |

| Error Code | Error Message | Description and Action |
|---|---|---|
| KEHG08305-E | An error occurred in the H HiCommand Suite Common Component.<br>Output destinations: Destinations for output level 10. | An error occurred in Hitachi Storage Command Suite Common Component.<br>Collect maintenance information and contact the Support Center. |
| KEHG20101-E | An empty string or null was specified for the element name.<br>Output destinations: Destinations for output level 10. | An empty string or null was specified for the element name.<br>Collect maintenance information and contact the Support Center. |
| KEHG20102-E | An empty string or null was specified for the attribute name.<br>Output destinations: Destinations for output level 10. | An empty string or null was specified for the attribute name.<br>Collect maintenance information and contact the Support Center. |
| KEHG90003-E | An unexpected tag was detected. (tag name: *aa...aa*, attribute value: *bb...bb* = *cc...cc*, ... expected tag name: *dd...dd*, ...)<br>*aa...aa*: Unexpected tag name<br>*bb...bb*: Attribute name of *aa...aa*<br>*cc...cc*: Value of the attribute name *bb...bb*<br>*dd...dd*: Expected tag name<br>Output destinations: Destinations for output level 10. | An unexpected tag was detected.<br>Collect maintenance information and contact the Support Center. |
| KEHG90004-E | An unexpected value was detected for a variable. (variable name = *aa...aa*, value = *bb...bb*)<br>*aa...aa*: Variable containing the unexpected value<br>*bb...bb*: Value of the unexpected variable<br>Output destinations: Destinations for output level 10. | An unexpected value was detected for a variable.<br>Collect maintenance information and contact the Support Center. |
| KEHG90005-E | An unexpected error occurred. (*aa...aa*)<br>*aa...aa*: Error information<br>Output destinations: Destinations for output level 10. | An unexpected error occurred.<br>Collect maintenance information and contact the Support Center. |
| KEHG90006-E | A resource file corresponding to the specified locale (*aa...aa*) was not found.<br>*aa...aa*: Locale name<br>Output destinations: Destinations for output level 10. | A resource file corresponding to the specified locale (*aa...aa*) was not found.<br>Collect maintenance information and contact the Support Center. |

# 9

# Error Messages from HiRDB

This chapter lists and describes the error messages output by the HiRDB:


- Error Messages Output by HiRDB

# Error Messages Output by HiRDB

This section lists and describes the error messages output by HiRDB. Table 9-1 shows a description of the messages and the corresponding table title.

**Table 9-1 Description of Error Messages Output by HiRDB**

| Table | Table Title | Table Contents | Message Description and Action |
|---|---|---|---|
| Table 9-2 | HiRDB Messages (KFPH) | Messages are classified by prefix and described in each table. | Follow the instructions in the *Description and Action* column for each message. |
| Table 9-3 | HiRDB Messages (KFPO) | | |
| Table 9-4 | HiRDB Messages (KFPR) | | |
| Table 9-5 | HiRDB Messages (KFPS) | | |
| Table 9-6 | HiRDB Messages (which require no action) | Messages that are not output frequently are classified according to the required action, and listed in each table. | No action is required for the message. |
| Table 9-7 | HiRDB Messages (which require collection of maintenance information, and contact to customer support) | | Collect maintenance information, and then contact customer support. |
| Table 9-8 | HiRDB Messages (which require re-execution of the operation) | | Re-execute the operation in which an error occurred. If the same message is output, collect maintenance information, and then contact customer support. |
| Table 9-9 | HiRDB Messages (which require restoration of the database) | | Use the hcmdsdb command to restore the database by using the backup obtained by the hcmdsbackups command. |
| Table 9-10 | HiRDB Messages (which require the system to be restarted, and re-execution of the operation) | | Stop the service programs of the Hitachi program products, restart the system, and then re-execute the operation. If the same message is output, collect maintenance information, and then contact customer support. |

A HiRDB error message consists of a message ID and the error message text. The format is as follows:

- **Format:**

  KFPA*mmmmm-z message-text* (see Table 9-7)

  KFPC*mmmmm-z message-text* (see Table 9-6 and Table 9-7)

  KFPD*mmmmm-z message-text* (see Table 9-6 and Table 9-8)

  KFPH*mmmmm-z message-text* (see Table 9-2, and Table 9-6 to Table 9-9)

  KFPI*mmmmm-z message-text* (see Table 9-8 and Table 9-9)

  KFPK*mmmmm-z message-text* (see Table 9-7)

  KFPL*mmmmm-z message-text* (see Table 9-6 to Table 9-10)

  KFPO*mmmmm-z message-text* (see Table 9-3 and Table 9-7)

  KFPR*mmmmm-z message-text* (see Table 9-4, and Table 9-6 to Table 9-9)

  KFPS*mmmmm-z message-text* (see Table 9-5 to Table 9-10)

  KFPU*mmmmm-z message-text* (see Table 9-6 to Table 9-8)

  KFPX*mmmmm-z* message-text (see Table 9-6 to Table 9-9)

  *mmmmm* is the message number, and *z* is one of the following message levels:

  I: Information

  Q: Question

  W: Warning

  E: Error

- **Output destination:**

  The error message is output to syslog or the event log.

**Table 9-2 HiRDB Messages (KFPH)**

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KFPH00135-E | *aa*....*aa* command failed, server = SDS01<br><br>*aa*....*aa*: Command name<br>Output destination: original log trace and either syslog or the event log | The server SDS01 could not execute the operation command *aa*....*aa*. The system cancels the operation from the server SDS01, and continues processing.<br>Re-execute the operation executed immediately before this message was output. If the same message is output, collect maintenance information, and then contact customer support. |

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KFPH20004-E | Server SDS01 termination failed, function=*aa*....*aa*, return code=*bbbb*<br><br>*aa*....*aa*: Function resulting in the error<br>*bbbb*: Return code<br>Output destination: syslog or the event log | During termination of the server SDS01, a *bbbb* error occurred in *aa*....*aa*. The system stops termination of the server SDS01.<br>An operation submitted before termination of the server was submitted has not finished. Wait until the executing operation finishes, and then re-execute termination of the server. If the same message is output, collect maintenance information, and then contact customer support. |
| KFPH23006-E | Failed to allocate semaphore, errno=*aa*....*aa*<br>*aa*....*aa*: Error cause code<br>4: The semaphore count per semaphore identifier exceeded the maximum value of the system.<br>8: The number of semaphores used by the entire system or the number of semaphore identifiers exceeded the maximum value of the system.<br>Output destination: syslog or the event log | An attempt to allocate the semaphore resource has failed. The system terminates abnormally.<br>Restart the system. If the same message is output, collect maintenance information, and then contact customer support. |

## Table 9-3 HiRDB Messages (KFPO)

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KFPO00113-E | "shmget(manager)" failed. size=*aa*....*aa*, errno=*bbb*<br><br>*aa*....*aa*: Size of the shared memory to be obtained (in bytes)<br>*bbb*: Value of errno for the shmget system call<br>Output destination: syslog or the event log | The shmget system call that was issued in order to obtain shared memory resulted in an error. The system terminates abnormally.<br>Stop the service programs of the Hitachi Storage Command Suite program products, restart the system, and then re-execute the operation. If the same message is output, take appropriate actions according to the value of errno for the shmget system call (see ***Note***). |
| KFPO00114-E | "shmget(*aa*....*aa*)" failed. size=*bb*....*bb*, errno=*ccc*<br><br>*aa*....*aa*: Server identifier<br>*bb*....*bb* Size of the shared memory to be obtained (in bytes)<br>*ccc*: Value of errno for the shmget system call<br>Output destination: syslog or the event log | When obtaining the shared memory used by the server *aa*....*aa*, the shmget system call resulted in an error. The system terminates processing.<br>Stop the service programs of the Hitachi Storage Command Suite program products, restart the system, and then re-execute the operation. If the same message is output, take appropriate actions according to the value of errno for the shmget system call (see ***Note***). |

***Note:*** The table below shows the cause of the error and actions to be taken for each errno.

| Errno | Cause | | Action | |
|---|---|---|---|---|
| | **Windows Systems** | **Solaris, Linux Systems** | **Windows Systems** | **Solaris, Linux Systems** |
| 12 | Resources are insufficient. | The size of the shared memory to be obtained exceeds the memory size of the machine. | Check whether the performance of the system in which the Hitachi Storage Command Suite program products are set up satisfies the requirements.<br>If the system does not satisfy the requirements, tune it appropriately.<br>If the system satisfies the requirements, collect maintenance information, and then contact customer support. | |
| 22 | A work file in the HiRDB installation directory might have been deleted while HiRDB was operating. | The size of the shared memory to be obtained exceeds the value specified in the OS kernel parameter shmmax. | Use the hcmdssrv /stop command to stop the Hitachi Storage Command Suite Common Component service, and then use the hcmdssrv /start command to restart the Hitachi Storage Command Suite Component service. | Solaris:<br>Specify a larger value in the kernel parameter shmsys:shminfo_shmmax, and then restart the corresponding server.<br>Linux:<br>Specify a larger value in the kernel parameter kernel.shmmax, and then restart the corresponding server. |
| 28 | The capacity of the installation drive is insufficient. | The number of identifiers for the shared memory exceeds the maximum for the OS. | In the installation drive, reserve a space larger than the shared memory. | Perform the following:<br>- Reduce the number of shared memory segments in a single machine<br>- Increase the value specified in the kernel parameter shmmni. |
| Others | --- | --- | Collect maintenance information, and then contact customer support. | |

## Table 9-4 HiRDB Messages (KFPR)

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KFPR26032-E | Unable to remove temporary file, host=*aa*....*aa*, file=*bb*....*bb*<br><br>*aa*....*aa*: Name of the host where the file that cannot be deleted is located<br>*bb*....*bb*: Name of the file that cannot be deleted<br>Output destination: syslog or the event log | A temporary file cannot be deleted. The system continues processing.<br>After the operation finishes, delete the file *bb*....*bb*. If the same message is output, collect maintenance information, and then contact customer support. |
| KFPR26243-E | Unable to remove temporary file, host=aa....aa, file=bb....bb<br><br>*aa*....*aa*: Name of the host where the file that cannot be deleted is located<br>*bb*....*bb*: Name of the file that cannot be deleted<br>Output destination: syslog or the event log | A temporary file cannot be deleted. The system continues processing.<br>After the operation finishes, delete the file *bb*....*bb*. If the same message is output, collect maintenance information, and then contact customer support. |

## Table 9-5 HiRDB Messages (KFPS)

| Error Code | Error Message | Recommended Action |
|---|---|---|
| KFPS00719-E | Message output error. message ID= *aaa*<br><br>*aaa*: Message ID of the message to be output<br>Output destination: original log trace and either syslog or the event log | Memory was insufficient when a message was output. The system continues processing.<br>Stop the service programs of the Hitachi Storage Command Suite program products, and then restart the system. Follow the instructions described in the *Description and Action* column for the message with the ID *aaa*. |

## Table 9-6 HiRDB Messages (No Action Required)

| Prefix | Message ID |
|---|---|
| KFPC | KFPC00101-I |
| KFPD | KFPD00029-W |
| KFPH | KFPH00035-W, KFPH00110-I, KFPH00115-I, KFPH00130-I, KFPH00134-I, KFPH00157-W, KFPH00210-I, KFPH00211-I, KFPH00212-I, KFPH00213-W, KFPH00372-I, KFPH20006-W, KFPH20007-W, KFPH20008-W, KFPH20009-W, KFPH20010-W, KFPH20015-I, KFPH22004-W, KFPH22012-W, KFPH22017-I, KFPH22019-I, KFPH22020-W, KFPH22021-W, KFPH22022-E, KFPH22023-W, KFPH22024-I, KFPH22030-W, KFPH22031-W, KFPH22034-W, KFPH23008-W, KFPH23013-W, KFPH23014-W, KFPH23017-W, KFPH23018-W, KFPH23024-I, KFPH23030-I, KFPH23201-W, KFPH23202-W, KFPH24004-I, KFPH26001-I, KFPH26010-I, KFPH29005-W, KFPH29006-W, KFPH29008-I |
| KFPL | KFPL00700-I, KFPL00701-I, KFPL00702-I, KFPL00703-I, KFPL00704-I, KFPL00705-I, KFPL00707-I, KFPL00708-I, KFPL00709-I, KFPL00710-I, KFPL00712-I, KFPL00713-I, KFPL00714-I, KFPL00715-I, KFPL00716-I, KFPL00717-I, KFPL00719-I, KFPL00720-I, KFPL00721-I, KFPL00722-I, KFPL00723-I, KFPL00724-I, KFPL00725-I, KFPL00726-I, KFPL00727-I, KFPL00728-I, KFPL00732-I, KFPL00733-I, KFPL00734-I, KFPL00735-I, KFPL00736-I, KFPL00738-I, KFPL00739-I, KFPL00750-I, KFPL00751-I, KFPL00800-I, KFPL00810-I, KFPL00900-I, KFPL22222-I, KFPL22223-I, KFPL25700-I, KFPL50000-I, KFPL50001-I |
| KFPR | KFPR00754-I, KFPR00756-I, KFPR00757-I, KFPR00758-I, KFPR00764-I, KFPR00765-I, KFPR00766-I, KFPR00767-I, KFPR00768-I, KFPR00786-I, KFPR16110-I, KFPR26022-I, KFPR26023-I, KFPR26028-I, KFPR26029-I, KFPR26052-I, KFPR26053-I, KFPR26057-I, KFPR26058-I, KFPR26060-I, KFPR26061-W, KFPR26062-W, KFPR26063-I, KFPR26109-I, KFPR26222-I, KFPR26233-I, KFPR26241-W, KFPR26257-I, KFPR26258-I, KFPR26262-W, KFPR26264-I, KFPR26265-I, KFPR26270-W, KFPR26272-W, KFPR26275-I, KFPR26276-I |
| KFPS | KFPS00056-I, KFPS00354-W, KFPS00441-I, KFPS00444-I, KFPS00446-W, KFPS00447-I, KFPS00450-W, KFPS00451-I, KFPS00610-I, KFPS00611-I, KFPS00847-W, KFPS00860-W, KFPS00958-I, KFPS00971-I, KFPS00972-I, KFPS00973-I, KFPS00980-W, KFPS00983-I, KFPS00985-I, KFPS00986-W, KFPS00988-I, KFPS00990-I, KFPS00991-I, KFPS00993-I, KFPS01001-I, KFPS01008-I, KFPS01011-I, KFPS01012-I, KFPS01041-I, KFPS01043-I, KFPS01044-I, KFPS01051-I, KFPS01060-I, KFPS01061-I, KFPS01062-I, KFPS01063-I, KFPS01104-W, KFPS01108-W, KFPS01109-W, KFPS01114-W, KFPS01116-W, KFPS01128-W, KFPS01130-W, KFPS01151-I, KFPS01152-W, KFPS01153-I, KFPS01154-I, KFPS01155-W, KFPS01156-I, KFPS01157-W, KFPS01161-I, KFPS01162-W, KFPS01163-W, KFPS01175-W, KFPS01182-I, KFPS01206-W, KFPS01211-I, KFPS01212-I, KFPS01213-W, KFPS01215-I, KFPS01216-I, KFPS01217-I, KFPS01218-I, KFPS01221-I, KFPS01222-I, KFPS01224-I, KFPS01225-I, KFPS01227-W, KFPS01228-W, KFPS01229-I, KFPS01234-I, KFPS01250-I, KFPS01252-I, KFPS01253-I, KFPS01255-W, KFPS01258-W, KFPS01262-I, KFPS01263-I, KFPS01265-I, KFPS01266-I, KFPS01269-I, KFPS01271-I, KFPS01278-W, KFPS01279-W, KFPS01800-I, KFPS01803-I, KFPS01813-I, KFPS01814-I, KFPS01819-I, KFPS01826-I, KFPS01830-I, KFPS01831-I, KFPS01832-I, KFPS01833-I, KFPS01836-W, KFPS01837-I, KFPS01838-W, KFPS01840-I, KFPS01842-I, KFPS01843-I, KFPS01849-W, KFPS01872-I, KFPS01877-I, KFPS01878-I, KFPS01888-W, KFPS01890-I, KFPS01894-I, KFPS01900-I, KFPS02101-I, KFPS02104-W, KFPS02105-W, KFPS02112-W, KFPS02118-I, KFPS02119-I, KFPS02122-W, KFPS02123-W, KFPS02124-W, KFPS02125-W, KFPS02127-W, KFPS02176-I, KFPS02177-I, KFPS02179-I, KFPS02181-I, KFPS02183-I, KFPS02185-I, KFPS02186-W, KFPS02187-I, KFPS02188-I, KFPS02189-W, KFPS02194-I, KFPS02195-W, KFPS02196-W, KFPS02240-W, KFPS04320-W, KFPS04321-W, KFPS04322-W, KFPS04323-W, KFPS04370-W, KFPS04371-W, KFPS04372-I, KFPS04373-I, KFPS04605-W, KFPS04620-I, KFPS04624-I, KFPS04629-I, KFPS04643-I, KFPS04644-I, KFPS04650-I, KFPS04651-W, KFPS04654-W, KFPS04660-I, KFPS04661-I, KFPS04663-W, KFPS04664-I, KFPS05024-I, KFPS05025-I, KFPS05048-Q, KFPS05072-W, KFPS05078-I, KFPS05110-I, KFPS05753-W |
| KFPU | KFPU00210-W, KFPU00211-W, KFPU00212-W |

| Prefix | Message ID |
|---|---|
| KFPX | KFPX14045-W, KFPX14046-W, KFPX14047-W, KFPX14078-W, KFPX14245-W, KFPX14246-W, KFPX14247-W, KFPX14250-I, KFPX18507-W, KFPX24012-I, KFPX24013-I, KFPX24212-I, KFPX24213-I, KFPX24225-I, KFPX24226-I, KFPX24237-I, KFPX24239-I, KFPX24261-I, KFPX24402-E, KFPX24404-I, KFPX28400-I, KFPX28401-I, KFPX28402-I |

## Table 9-7 HiRDB Messages (Require Collecting Maintenance Information and Contacting Customer Support)

| Prefix | Message ID |
|---|---|
| KFPA | KFPA20005-E, KFPA20006-E |
| KFPC | KFPC00102-E, KFPC00103-I, KFPC00104-E |
| KFPD | KFPD00011-E, KFPD00013-E, KFPD00014-E, KFPD00024-W, KFPD00030-W |
| KFPH | KFPH00131-E, KFPH00133-E, KFPH00141-E, KFPH00142-E, KFPH00153-E, KFPH00154-E, KFPH00155-W, KFPH00156-E, KFPH20001-E, KFPH20011-E, KFPH20012-E, KFPH20013-E, KFPH20016-E, KFPH22005-E, KFPH22006-E, KFPH22007-E, KFPH22008-E, KFPH22009-E, KFPH22010-E, KFPH22011-E, KFPH22014-E, KFPH22015-E, KFPH22016-E, KFPH23001-E, KFPH23002-E, KFPH23009-E, KFPH23010-E, KFPH23011-W, KFPH23012-E, KFPH23015-E, KFPH23016-E, KFPH23021-E, KFPH23029-E, KFPH23031-E, KFPH23032-E, KFPH23033-E, KFPH23034-E, KFPH25101-E, KFPH26000-E, KFPH27000-E, KFPH27004-E, KFPH27009-E, KFPH27010-E, KFPH27011-E, KFPH27030-E, KFPH27032-E, KFPH28001-E |
| KFPK | KFPK00204-E |
| KFPL | KFPL10000-E, KFPL10001-E, KFPL10002-E, KFPL10003-E, KFPL10004-E, KFPL10005-E, KFPL10006-E, KFPL11111-E, KFPL15010-E, KFPL15030-E, KFPL15036-E, KFPL15046-E, KFPL15047-E, KFPL15052-E, KFPL15059-E, KFPL15060-E, KFPL15061-E, KFPL15062-E, KFPL15063-E, KFPL15064-E, KFPL15065-E, KFPL15066-E, KFPL15067-E, KFPL15068-E, KFPL15069-E, KFPL15070-E, KFPL15199-E, KFPL15224-E, KFPL15225-E, KFPL15226-E, KFPL15229-E, KFPL15231-E, KFPL15234-E, KFPL15246-E, KFPL15281-E, KFPL15282-E, KFPL15283-E, KFPL15288-E, KFPL15300-E, KFPL15301-E, KFPL15302-E, KFPL15305-E, KFPL15308-E, KFPL15310-E, KFPL15311-E, KFPL15312-E, KFPL15313-E, KFPL15314-E, KFPL15315-E, KFPL15316-E, KFPL15317-E, KFPL15318-E, KFPL15319-E, KFPL15321-E, KFPL15322-E, KFPL15323-E, KFPL15326-E, KFPL15331-E, KFPL15333-E, KFPL15334-E, KFPL15335-E, KFPL15336-E, KFPL15337-E, KFPL15338-E, KFPL15339-E, KFPL15340-E, KFPL15341-E, KFPL15342-E, KFPL15343-E, KFPL15344-W, KFPL15346-W, KFPL15347-E, KFPL15348-E, KFPL15349-E, KFPL16300-E, KFPL16310-E, KFPL16320-E, KFPL16321-E, KFPL16322-E, KFPL16323-E, KFPL16324-E, KFPL16325-W, KFPL16327-E, KFPL17000-E, KFPL17001-E, KFPL17010-E, KFPL20005-E, KFPL20090-E, KFPL20091-E, KFPL20100-E, KFPL22001-E, KFPL23100-E, KFPL23500-E, KFPL24100-E, KFPL24152-E, KFPL24500-E, KFPL24509-E, KFPL24510-E, KFPL25040-E, KFPL25200-E, KFPL25210-E, KFPL25212-E, KFPL25213-E, KFPL25222-W, KFPL25338-E, KFPL25339-E, KFPL25340-E, KFPL25342-E, KFPL25343-E, KFPL25344-E, KFPL25347-E, KFPL25352-E, KFPL25353-E, KFPL25354-E, KFPL25355-E, KFPL25356-E, KFPL25357-E, KFPL25358-E, KFPL25359-E, KFPL25710-E, KFPL25999-E, KFPL26339-E, KFPL26340-E, KFPL26342-E, KFPL27100-E, KFPL27500-E, KFPL28000-E, KFPL28002-E, KFPL28101-E, KFPL28102-E, KFPL28103-E, KFPL28104-E, KFPL51203-E |
| KFPO | KFPO00100-E, KFPO00109-E, KFPO00111-E, KFPO00112-E, KFPO00115-E |

| Prefix | Message ID |
|---|---|
| KFPR | KFPR16003-E, KFPR16014-E, KFPR16101-E, KFPR16102-E, KFPR16108-E, KFPR16126-E, KFPR16127-E, KFPR16128-E, KFPR16203-E, KFPR16214-E, KFPR16301-E, KFPR16302-E, KFPR16303-E, KFPR16308-E, KFPR16318-E, KFPR16328-E, KFPR16330-E, KFPR16333-E, KFPR16334-E, KFPR16338-E, KFPR16339-E, KFPR26003-E, KFPR26005-E, KFPR26006-E, KFPR26007-E, KFPR26008-E, KFPR26009-E, KFPR26010-E, KFPR26011-E, KFPR26012-E, KFPR26015-E, KFPR26016-E, KFPR26018-E, KFPR26020-E, KFPR26021-E, KFPR26024-E, KFPR26025-E, KFPR26026-E, KFPR26027-E, KFPR26030-E, KFPR26031-E, KFPR26033-E, KFPR26051-E, KFPR26054-E, KFPR26055-E, KFPR26056-E, KFPR26059-E, KFPR26110-E, KFPR26111-E, KFPR26203-E, KFPR26205-E, KFPR26206-E, KFPR26207-E, KFPR26208-E, KFPR26209-E, KFPR26210-E, KFPR26212-E, KFPR26215-E, KFPR26216-E, KFPR26218-E, KFPR26220-E, KFPR26221-E, KFPR26224-E, KFPR26225-E, KFPR26226-E, KFPR26227-E, KFPR26228-E, KFPR26229-E, KFPR26230-E, KFPR26232-E, KFPR26234-E, KFPR26235-E, KFPR26236-E, KFPR26237-E, KFPR26238-E, KFPR26239-E, KFPR26240-E, KFPR26242-E, KFPR26244-E, KFPR26254-E, KFPR26255-E, KFPR26273-E, KFPR26277-E, KFPR26280-E |
| KFPS | KFPS00345-W, KFPS00346-E, KFPS00347-E, KFPS00348-E, KFPS00349-E, KFPS00412-E, KFPS00440-W, KFPS00442-E, KFPS00448-E, KFPS00452-E, KFPS00612-E, KFPS00700-E, KFPS00701-E, KFPS00707-E, KFPS00709-E, KFPS00710-E, KFPS00712-E, KFPS00713-E, KFPS00714-E, KFPS00715-E, KFPS00717-E, KFPS00720-E, KFPS00722-E, KFPS00729-E, KFPS00803-E, KFPS00835-E, KFPS00840-E, KFPS00841-E, KFPS00850-E, KFPS00856-E, KFPS00857-E, KFPS00957-E, KFPS00961-E, KFPS00962-E, KFPS00992-E, KFPS01005-E, KFPS01006-E, KFPS01009-E, KFPS01010-E, KFPS01040-E, KFPS01042-E, KFPS01064-E, KFPS01070-E, KFPS01090-E, KFPS01121-E, KFPS01129-E, KFPS01150-E, KFPS01160-E, KFPS01220-E, KFPS01226-E, KFPS01275-E, KFPS01277-E, KFPS01301-E, KFPS01820-E, KFPS01823-E, KFPS01824-E, KFPS01835-E, KFPS01862-E, KFPS01864-E, KFPS01865-E, KFPS01866-E, KFPS01868-E, KFPS01874-E, KFPS01875-E, KFPS01891-E, KFPS01898-E, KFPS02102-E, KFPS02111-E, KFPS02126-E, KFPS02135-E, KFPS02137-E, KFPS02139-E, KFPS02141-E, KFPS02143-E, KFPS02144-E, KFPS02145-E, KFPS02147-E, KFPS02148-E, KFPS02149-E, KFPS02153-E, KFPS02154-E, KFPS02155-E, KFPS02156-E, KFPS02157-E, KFPS02158-E, KFPS02160-E, KFPS02173-E, KFPS02190-E, KFPS02256-E, KFPS03302-E, KFPS04621-E, KFPS04622-E, KFPS04623-E, KFPS04625-E, KFPS04670-E, KFPS05047-E, KFPS05076-E, KFPS05091-E, KFPS05100-E, KFPS05101-E, KFPS05102-E, KFPS05111-E, KFPS05236-E |
| KFPU | KFPU00215-E, KFPU00216-E, KFPU00217-E, KFPU00218-E, KFPU00219-E, KFPU00220-E, KFPU00222-E, KFPU00223-E, KFPU00240-E, KFPU00241-E, KFPU00242-E, KFPU00243-E, KFPU00244-E, KFPU00245-E, KFPU00246-E, KFPU00247-E, KFPU00248-E, KFPU00249-E, KFPU00250-E, KFPU00251-E |
| KFPX | KFPX14004-E, KFPX14017-E, KFPX14018-E, KFPX14019-E, KFPX14020-E, KFPX14023-E, KFPX14024-E, KFPX14025-E, KFPX14026-E, KFPX14027-E, KFPX14029-E, KFPX14030-E, KFPX14035-E, KFPX14051-E, KFPX14204-E, KFPX14217-E, KFPX14218-E, KFPX14220-E, KFPX14223-E, KFPX14224-E, KFPX14225-E, KFPX14226-E, KFPX14227-E, KFPX14229-E, KFPX14230-E, KFPX14235-E, KFPX14236-E, KFPX14238-E, KFPX14251-E, KFPX14253-E, KFPX14255-W, KFPX14259-E, KFPX14262-E, KFPX14268-W, KFPX14280-E, KFPX14302-W, KFPX18502-E, KFPX18506-E, KFPX18508-E, KFPX18550-E, KFPX18551-E, KFPX18555-E, KFPX18560-E, KFPX18562-E, KFPX18563-E, KFPX18566-E, KFPX24004-E, KFPX24005-E, KFPX24006-E, KFPX24007-E, KFPX24009-W, KFPX24011-W, KFPX24018-E, KFPX24019-E, KFPX24020-E, KFPX24022-E, KFPX24025-W, KFPX24026-E, KFPX24028-W, KFPX24029-W, KFPX24030-E, KFPX24202-E, KFPX24204-E, KFPX24205-E, KFPX24206-E, KFPX24207-E, KFPX24211-W, KFPX24218-E, KFPX24219-E, KFPX24220-E, KFPX24222-E, KFPX24223-E, KFPX24227-E, KFPX24228-E, KFPX24229-E, KFPX24230-E, KFPX24231-W, KFPX24232-E, KFPX24233-E, KFPX24234-E, KFPX24235-E, KFPX24236-E, KFPX24238-W, KFPX24240-W, KFPX24241-E, KFPX24242-W, KFPX24243-E, KFPX24244-I , KFPX24246-W, KFPX24262-E, KFPX24263-E, KFPX24264-E, KFPX24265-E, KFPX24266-E, KFPX24268-E, KFPX24269-E, KFPX24270-E, KFPX24271-E, KFPX24272-E, KFPX24273-E, KFPX24274-E, KFPX24275-E, KFPX24403-E, KFPX24407-E, KFPX24408-E, KFPX24409-E, KFPX24410-E, KFPX28405-E, KFPX28407-E, KFPX28502-E, KFPX28503-E, KFPX28504-W |

### Table 9-8 HiRDB Messages (Require Re-executing the Operation)

| Prefix | Message ID |
|---|---|
| KFPD | KFPD00012-E, KFPD00020-E, KFPD00021-E |
| KFPH | KFPH00132-E, KFPH00145-E, KFPH20003-E, KFPH21001-E, KFPH22002-E, KFPH22013-E, KFPH23003-E, KFPH23004-E, KFPH23005-E, KFPH23025-E, KFPH23026-E, KFPH25002-E, KFPH27005-E, KFPH29009-W |
| KFPI | KFPI21582-E |
| KFPL | KFPL15040-E, KFPL15048-E, KFPL15240-E, KFPL20001-E, KFPL20003-E, KFPL20200-E, KFPL22000-E, KFPL25341-E |
| KFPR | KFPR16005-E, KFPR16205-E, KFPR26001-E, KFPR26002-E, KFPR26017-E, KFPR26201-E, KFPR26202-E, KFPR26217-E |
| KFPS | KFPS00430-E, KFPS00443-I, KFPS00460-E, KFPS00609-E, KFPS00703-E, KFPS00836-E, KFPS00854-W, KFPS00855-W, KFPS00888-W, KFPS00889-E, KFPS00900-I, KFPS00955-E, KFPS00965-E, KFPS01091-E, KFPS01099-E, KFPS01103-E, KFPS01113-E, KFPS01115-E, KFPS01125-E, KFPS01200-E, KFPS01201-E, KFPS01204-E, KFPS01205-E, KFPS01223-E, KFPS01274-E, KFPS01300-E, KFPS01303-E, KFPS01812-E, KFPS01844-E, KFPS01847-E, KFPS01861-E, KFPS01871-E, KFPS02182-E, KFPS02200-E, KFPS02210-E, KFPS02255-E, KFPS04652-E |
| KFPU | KFPU00221-E |
| KFPX | KFPX18410-E, KFPX24001-E, KFPX24015-E, KFPX24024-E, KFPX24201-E, KFPX24208-E, KFPX24215-E, KFPX24405-E |

### Table 9-9 HiRDB Messages (Require Restoring the Database)

| Prefix | Message ID |
|---|---|
| KFPH | KFPH00306-E, KFPH00307-E, KFPH00308-E, KFPH00309-E, KFPH20005-E, KFPH22001-E, KFPH22003-E, KFPH22018-W, KFPH22025-E, KFPH22026-E, KFPH23007-E, KFPH23023-I, KFPH23100-E, KFPH23101-E, KFPH25000-E, KFPH25001-E, KFPH27006-E, KFPH27007-E, KFPH27008-E |
| KFPI | KFPI21561-E, KFPI21562-E |
| KFPL | KFPL20020-E |
| KFPR | KFPR26072-E |
| KFPS | KFPS01180-E, KFPS01181-E, KFPS01183-E, KFPS01184-E, KFPS01185-E, KFPS01202-E, KFPS01203-E, KFPS01251-E, KFPS01256-E, KFPS01257-E, KFPS01260-E, KFPS01261-E, KFPS01264-E, KFPS01267-E, KFPS01268-E, KFPS01270-E, KFPS01272-E, KFPS01273-E, KFPS01302-E, KFPS02174-E, KFPS02220-E |
| KFPX | KFPX24017-E, KFPX24217-E |

### Table 9-10 HiRDB Messages (Require Restarting the System and Re-executing the Operation)

| Prefix | Message ID |
|---|---|
| KFPL | KFPL20000-E, KFPL23000-E, KFPL23001-E |
| KFPS | KFPS00403-E, KFPS00705-E, KFPS00830-E, KFPS01821-E, KFPS01845-E, KFPS01846-E, KFPS01851-E, KFPS01870-E, KFPS02110-E, KFPS02114-E, KFPS02115-E, KFPS02159-E, KFPS02254-E, KFPS04655-E |

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# Troubleshooting

This chapter provides resources for troubleshooting Hitachi Device Manager.

- General Troubleshooting
- Calling the Hitachi Data Systems Support Center

# General Troubleshooting

For troubleshooting information, please refer to the appropriate documentation as follows:

- Hitachi Device Manager client operations - the Device Manager online Help and the *Hitachi Device Manager Command Line Interface (CLI) User's Guide*.
- Hitachi Device Manager Server operations - *Hitachi Device Manager and Provisioning Manager Server Installation and Configuration Guide*.
- Hitachi Storage Command Suite Common Component - *Hitachi Device Manager and Provisioning Manager Server Installation and Configuration Guide*.
- Hitachi Device Manager Agent operations - *Hitachi Device Manager Agent Installation Guide*.
- Hitachi Device Manager CLI or Device Manager CLIEX operations - *Hitachi Device Manager Command Line Interface (CLI) User's Guide*.
- Disk array subsystem operations - The applicable document for the array and feature, for example, the *Hitachi Lightning 9900 V Series LUN Manager User's Guide* and the *Hitachi Thunder 9500 V Series ShadowImage User's Guide*.

# Calling the Hitachi Data Systems Support Center

If you need to call the Hitachi Data Systems Support Center, make sure to provide as much information about the problem as possible, including the circumstances surrounding the error or failure and the exact content of any error messages displayed by Hitachi Device Manager and/or the host system. Refer to the troubleshooting section of the applicable user document (e.g., *Hitachi Device Manager Agent Installation Guide*) for specific information to be collected before calling the Support Center.

The Hitachi Data Systems customer support staff is available 24 hours a day, seven days a week. If you need technical support, please call:

- United States: (800) 446-0744
- Outside of the United States: (858) 547-4526

# Acronyms and Abbreviations

| | |
|---|---|
| ACL | array control library |
| AL | arbitrated loop |
| API | application program interface |
| CCI | Command Control Interface (also called RAID Manager) |
| CHA | channel adapter |
| CIM | common information model |
| CLI | command line interface |
| CMDDEV | command device |
| CSW | cache switch |
| C/T | consistency time |
| CTG | consistency group |
| CTL, ctl | controller |
| CU | controller unit |
| CV | custom volume |
| CVS | custom volume size (also called Virtual LVI/LUN) |
| DAMP | Disk Array Management Program |
| DASD | direct-access storage device |
| DCR | Dynamic Cache Residency (called FlashAccess for 9900V) |
| dev | device |
| DFW | DASD fast write |
| DKA | disk array |
| DKC | disk controller |
| DKU | disk unit |
| ESCON | Enterprise Systems Connection |
| FC | fibre channel |
| FCP | fibre-channel port |
| FD | floppy disk |
| FDD | floppy disk drive |
| FTP | File Transfer Protocol |
| GB | gigabyte |

| | |
|---|---|
| GUI | graphical user interface |
| HIHSM | Hitachi Internal Hierarchical Storage Manager (called Volume Migration for Universal Storage Platform, called CruiseControl for 9900V) |
| HMRCF | Hitachi Multiple Raid Coupling Feature (also called ShadowImage for z/OS) |
| HOMRCF | Hitachi Open Multiple Raid Coupling Feature (also called ShadowImage) |
| HORCA | Hitachi Open Remote Copy Asynchronous (also called TrueCopy Async) |
| HORCE | Hitachi Open Remote Copy Extended |
| HORCM | Hitachi Open Remote Copy Manager |
| HPAV | Hitachi Parallel Access Volume |
| HSN | Hierarchical Star Network |
| HTTP | hypertext transfer protocol |
| ID | identifier, identification |
| I/F | interface |
| IP | internet protocol |
| JDBC | Java DataBase Connectivity |
| JDK | Java Developers Kit |
| JRE | Java Runtime Environment |
| JVM | Java Virtual Machine |
| KB | kilobyte |
| LAN | local area network |
| LBA | logical block address |
| LCP | local control port |
| LDEV | logical device |
| LU | logical unit |
| LUN | logical unit number, logical unit |
| LUNM | LUN Manager |
| LUSE | LUN Expansion |
| LVI | logical volume image |
| MB | megabyte |
| M-VOL | main volume (TrueCopy-S/390) |
| MCU | main control unit |
| MIB | message information block |
| MIH | missing interrupt handler |
| MRCF | Multi-RAID Coupling Feature (also called ShadowImage) |
| NVS | nonvolatile storage |
| OID | object ID |
| OS | operating system |
| PA | port address |
| PCB | printed circuit board |
| PDEV | physical device |
| PP | Program Product |

| | |
|---|---|
| PPRC | Peer-to-Peer Remote Copy |
| PS | power supply |
| P-VOL | primary volume (TrueCopy, ShadowImage) |
| RAID | redundant array of independent disks |
| RCP | remote control port |
| RCU | remote control unit |
| RIO | remote I/O |
| RMC | Remote Console |
| R-VOL | remote volume (TrueCopy-S/390) |
| R/W | read/write |
| SAN | storage area network |
| SCSI | small computer system interface |
| SM | shared memory |
| SNMP | simple network management protocol |
| SSB | sense byte |
| SSID | storage system ID |
| SSL | secure sockets layer |
| S-VOL | secondary volume (TrueCopy), source volume (ShadowImage-S/390) |
| SVP | service processor |
| TB | terabyte |
| TC | TrueCopy |
| TCP/IP | transmission control protocol/internet protocol |
| TC-MF | TrueCopy for z/OS and/or TrueCopy-S/390 (MF=mainframe) |
| TC390 | TrueCopy-S/390 |
| TID | target ID |
| T-VOL | target volume (ShadowImage-S/390) |
| URL | uniform resource locator |
| VDEV | Virtual Device |
| WBEM | Web-Based Enterprise Management |
| WWN | worldwide name |
| XML | extended markup language |
| XRC | Extended Remote Copy |

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