

Library Changes

CUDB 1.13 (R14A)

LIBRARY REVISION INFORMATION

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1 Introduction

This document shows the changes in the CUDB 1.13 (R14A) library between the following releases:

From Ericsson Centralized User Database (CUDB) 1.12 (R13A)

To Ericsson Centralized User Database (CUDB) 1.13 (R14A)

The following changes are shown:

- Documents added
- Documents changed
- Documents removed

The reason for a change is described, for example, new, updated, or removed features, as well as corrected faults and responses to change requests.

Minor changes, however, such as language corrections, link errors, and editorial improvements are not shown in the tables below unless these are the only corrections in the update.

2 Description of Changes

The structure in this section reflects the structure of the current library.

2.1 Library Front Page

Table 1 Library Front Image

Title	Identity	Change
Library Front Page.		<ul style="list-style-type: none">- Added clarification for "One software track" partially implemented features- Added a link to the "Functions Planned for Coming Releases" Network Impact Report section- Tiles updated



2.2 Safety and Environment

Table 2 Safety and Environment

Title	Identity	Change
Personal Health and Safety Information	124 46-2885 Uen H	Added admonition for disconnecting all power supply, including batteries.

2.3 Library Overview

Table 3 Library Overview

Title	Identity	Change
CUDB Glossary of Terms and Acronyms	0033-HDA 104 03/10 Uen H	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none">Added Generic Ericsson Processor version 7, Low Power (GEP7L).
CUDB Library Overview	1551-EN/LZN 702 0449 Uen S	Ready for release.

Table 4 Library Overview/Active Library Explorer

Title	Identity	Change
How to Get Started with Ericsson Library Explorer	1/1553-LXA 119 1929 Uen B	New document

2.4 Product Overview

Table 5 Product Overview

Title	Identity	Change
CUDB Technical Product Description	221 02-FGC 101 3147 Uen M	Other than editorial changes, this document has been revised as follows: - VNF Support: Updated the list of supported workflows and the platform of certified or certification-level testing * delivery model.

Table 6 Product Overview/Facility Descriptions

Title	Identity	Change
CUDB Application Counters	10/155 34-HDA 104 03/10 Uen F	Replacing 10/155 34-HDA 104 03/10-V1 Uen E
CUDB Data Distribution	6/155 34-HDA 104 03/10 Uen D	Replacing 6/155 34-HDA 104 03/10-V1 Uen C
CUDB Data Storage Handling	8/155 34-HDA 104 03/10 Uen F	Replacing 8/155 34-HDA 104 03/10-V1 Uen E



Table 6 Product Overview/Facility Descriptions

Title	Identity	Change
CUDB High Availability	7/155 34-HDA 104 03/10 Uen K	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Infrastructure Availability for CUDB Systems Deployed on Native BSP 8100: Added GEP7L in sentences referring to GEP5. Section 3.1.5 Node Networking Resilience, Section 3.1.6.4 VIP Redundancy, and Section 3.1.3 Network Links Resiliency: Removed sections. Split Situations: Updated description.
CUDB LDAP Data Access	5/155 34-HDA 104 03/10 Uen L	Replacing 5/155 34-HDA 104 03/10-V1 Uen K
CUDB LDAP Schema Management	11/155 34-HDA 104 03/10 Uen C	Replacing 11/155 34-HDA 104 03/10-V1 Uen B
CUDB Notifications	9/155 34-HDA 104 03/10 Uen G	Replacing 9/155 34-HDA 104 03/10-V1 Uen F

2.5 Site Engineering

Table 7 Site Engineering

Title	Identity	Change
CUDB Deployment Guide	2/1553-HDA 104 03/10 Uen G	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> CUDB Deployment Examples: Updated description with GEP7L. Virtual Deployment Considerations: Updated description with GEP7L where GEP5 is referred to.



2.6 Planning

Table 8 Planning

Title	Identity	Change
CUDB 1.13 Network Impact Report	1/109 48-FGC 101 3147 Uen V	<p>Other than editorial changes, this document has been revised as follows for the CUDB 1.13 release:</p> <ul style="list-style-type: none">• Section 2.2 Changes in Infrastructure Support: Removed section, moved subsections up one level.• Section 2.2 Changes in Hardware Support: Updated Table 4 with changes in backup and restore procedure and replacement of GEP5 blades with GEP7L blades from CUDB 1.13 onwards.• Section 2.3 Changes in Cloud Support: Updated Table 5 with changes in backup and restore procedure from CUDB 1.9 and CUDB 1.13 onwards.• Section 2.3.1 Changes in VNF Workflows: Added section, updated Table 6 with Graceful Termination from CUDB 1.13 onwards, and moved former section 6.2.2 VNF Graceful Termination Workflow to Section 2.3.1.• Section 2.3.1.1 VNF Graceful Termination Workflow: Added <code>cudbRemoveNode</code> command to Table 7.• Section 2.5 Changes in Upgrade Procedure: Moved CUDB Application Schema Update impact from CUDB 1.12 onwards to CUDB 1.13 onwards in Table 9.• Section 2.6 Changes in Tools: Added Table 10 and updated with removed tools and the content of Section 2.6.1 Schema Update Tool and Section 2.6.2 CUDB Licensing Fingerprint Tool.• Section 5.13 Improvements in CUDB 1.13: Added section with Section 5.13.1 OAM Improvements in CUDB 1.13, regarding the removal of the <code>init</code> value from <code>-s</code> command option from <code>cudbApplyConfig</code> command. Added subsections Section 5.13.3 Restoration of Multiple Backups into a Single Destination Cluster in Hardware Migration through Backup and Restore Procedures, regarding the restoration of multiple backups into single destination cluster and Section 5.13.2 Security Improvements, regarding hardening system improvement.• Section 6.1.1.1.1 Commands and Command Options: Added section and Table 65 with new <code>cudbManageDsGroup</code> command.• Section 6.1 Image Based Instantiation: Removed section because feature has been delivered and added to Section 4.14.• Section 6.2 Geographical Redundancy Decrease and Site: Added section regarding geographical redundancy decrease and site decommissioning.• Section 6.2 Automatic Installation in Native: Removed section because feature has been delivered and added to Section 4.15.• Section 6.2 Automated DSG Expansion: Removed section because feature has been delivered and added to Section 4.16.• Section 6.5 GEP7L Support: Removed section because feature has been delivered and added to Section 4.13.



2.7 Integration

Table 9 Integration

Title	Identity	Change
CUDB Application Integration Guide	7/1553-HDA 104 03/10 Uen G	Replacing 7/1553-HDA 104 03/10-V1 Uen F

2.8 Operation and Maintenance

Table 10 Operation and Maintenance

Title	Identity	Change
CUDB Node Commands and Parameters	1/1553-CSH 109 067/10 Uen S	Replacing 1/1553-CSH 109 067/10-V1 Uen N
CUDB System Administrator Guide	2/1543-HDA 104 03/10 Uen S	Replacing 2/1543-HDA 104 03/10-V1 Uen N



Table 10 Operation and Maintenance

Title	Identity	Change
Virtualized CUDB Virtual Machine Recovery	30/1543-CSH 109 067/10 Uen J	Editorial changes.
CUDB VNF Lifecycle Management	1/1553-CNL 121 695/10 Uen E	<p>Other than editorial changes, this document has been updated as follows:</p> <ul style="list-style-type: none">• Hardware and Software: Updated the list of required virtual and physical hardware and software.• Instantiate Configuration Files: Updated the list of configuration files.• vCUDb Upgrade Preparation: Updated image and description in Step 6.• Instantiate vCUDb System Prerequisites: Removed notes, updated description, Figure 2, and the list of configuration files for one vCUDb system.• Workflow Log in GUI: Updated Figure.• vCUDb System Completion Steps, vCUDb System Integration: Added sections.• Troubleshooting: Updated commands and description.• Terminate vCUDb System: Added VNF termination options.• Terminate vCUDb VNF: Updated Step 6. Added Step 7.• Workflow Log in GUI: Added section.• Prerequisites: Updated description.• Instantiate vCUDb System: Added content form Start a New Instance. Updated Figures.• Start a New Instance: Removed section.• Workflow Log in GUI: Added section.• Workflow Log in GUI: Added section.• Appendix: General Considerations when Upgrading: Updated structure.• General: Removed section.• Recommendations: Removed section.• Hardening: Added section.• Deviations from Standard Configuration: Added section.• Prerequisites: Added section.• Network Impacts: Added section.• System Downtime and Service Disturbances: Added section.

Table 11 Operation and Maintenance/Configuration Management

Title	Identity	Change
CUDB Node Configuration Data Model Description	1/192 02-CSH 109 067/10 Uen M	Replacing 1/192 02-CSH 109 067/10-V1 Uen L



Table 12 Operation and Maintenance/Data Management

Title	Identity	Change
CUDB Automatic Handling of Network Isolation Output Description	1/155 19-CRH 109 0575/10 Uen E	Replacing 1/155 19-CRH 109 0575/10-V1 Uen D
CUDB Backup and Restore Procedures	1/1553-CNH 160 6130/10 Uen H	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 2 Overview: Added description. Section 3.2.1.3 Recreating Stored Procedures After Data Restore: Updated procedure. Section 3.2.3.3.1 Restoring from a Single Source and Section 3.2.3.3.2 Restoring from a Distributed Source: Updated note and added Do! admonition.
CUDB Consistency Check	17/1553-CSH 109 067/10 Uen B	Replacing 17/1553-CSH 109 067/10-V1 Uen A

Table 13 Operation and Maintenance/Data Management/Schema Management

Title	Identity	Change
CUDB Application Schema Update	2/1553-CSH 109 067/10 Uen J	Replacing 2/1553-CSH 109 067/10-V1 Uen H

Table 14 Operation and Maintenance/Fault Management

Title	Identity	Change
CUDB Node Fault Management Configuration Guide	3/1553-CSH 109 067/10 Uen G	Editorial change.

Table 15 Operation and Maintenance/Fault Management/Alarms

Title	Identity	Change
Control, Automatic Master Election Locked Down	6/1543-CNH 160 6135/10 Uen B	Replacing 6/1543-CNH 160 6135/10-V1 Uen A
Licensing, License Manager not Available	1/1543-CNH 160 8039/10 Uen B	Editorial changes.
Server Platform, Storage Performance Degradation Detected	28/1543-CSH 109 067/10 Uen F	Editorial changes only.
Storage Engine, Execution of Selective Replica Check Failed, DS, Major	34/1543-CNH 160 6539/10 Uen B	Replacing 34/1543-CNH 160 6539/10-V1 Uen A
Storage Engine, Execution of Selective Replica Check Failed, PLDB, Major	33/1543-CNH 160 6539/10 Uen B	Replacing 33/1543-CNH 160 6539/10-V1 Uen A
Storage Engine, High Load In DS	23/1543-CNH 160 6539/10 Uen C	Other than editorial changes, this document has been revised as follows: +Section 1.1 Alarm Description: Updated Fault Reason in Table 1 Alarm Causes. +Section 2.3 Actions for Hardware Error in the Blade: Added section.
Storage Engine, High Load in PLDB	26/1543-CNH 160 6539/10 Uen B	Editorial change.



Table 16 Operation and Maintenance/Fault Management/Troubleshooting

Title	Identity	Change
CUDB Troubleshooting Guide	1/1553-HDA 104 03/10 Uen N	Replacing 1/1553-HDA 104 03/10-V1 Uen M
Data Collection Guideline for CUDB	3/1543-HDA 104 03/10 Uen H	Replacing 3/1543-HDA 104 03/10-V1 Uen G

Table 17 Operation and Maintenance/Fault Management/Preventive Maintenance

Title	Identity	Change
CUDB Logchecker	12/1553-CSH 109 067/10 Uen D	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">OS: Added hardware error to Table 3.Software Platform: Updated SAF: there are unassigned HA states (Severity: Warning) error message in Table 11.

Table 18 Operation and Maintenance/Logging Management

Title	Identity	Change
CUDB Node Logging Events	4/1553-CSH 109 067/10 Uen L	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">Software Management: Added GEP family error message in Software Management Logs Table.

Table 19 Operation and Maintenance/Health Check

Title	Identity	Change
CUDB Health Check	7/1543-HDA 104 03/10 Uen H	Replacing 7/1543-HDA 104 03/10-V1 Uen G

Table 20 Operation and Maintenance/Network Management

Title	Identity	Change
CUDB Node Network Description	4/1551-CSH 109 067/10 Uen K	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">BSP 8100 Software for CUDB Systems Deployed on Native BSP 8100: Added GEP7L where GEP5 is referred to.General Overview: Updated Figure 3 CUDB Node on BSP 8100 Hardware, General Network Overview by replacing the phrase "GEP3/GEP5 blades" with "GEP3/GEP5/GEP7L blades".Internal Networks: Added GEP7L where GEP5 is referred to.External Connectivity for CUDB Systems Deployed on Native BSP 8100: Added GEP7L where GEP5 is referred to.

Table 21 Operation and Maintenance/Security Management

Title	Identity	Change
CUDB Security and Privacy Management	8/1553-HDA 104 03/10 Uen K	Replacing 8/1553-HDA 104 03/10-V1 Uen J



Table 22 Operation and Maintenance/HW Management

Title	Identity	Change
CUDB Node Hardware Description	3/1551-CSH 109 067/10 Uen D	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> CUDB Node Hardware Components: Updated the type of GEP7L blade to be used in CUDB for both SC and PL boards.
Server Platform, Blade Replacement	4/1543-CSH 109 067/10 Uen L	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Replacing a Blade: Added Attention! admonition and note. Identifying the Blade Name: Updated Attention. Preparing the Blade Replacement: Updated the description in substep b. in Step 4 in Preparing the Blade Replacement and deleted Step 5. Obtaining All MAC Addresses: Updated description, added Table 3. Finalizing Replacement: Removed cudbPrepareStore --pl from Step 6 in Finalizing Replacement. Changing the Boot Device Order: Removed description, added reference.

2.9 Interface

Table 23 Interface

Title	Identity	Change
CUDB LDAP Interwork Description	1/155 19-HDA 104 03/10 Uen L	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Error Codes: Updated the Possible Client Actions of Error Code 80 in Table 20.

2.10 Removed Documents

Table 24 Documents Removed from Library

Title	Identity	Comment
Library Changes	109 45-EN/LZN 702 0449 Uen N	
How to Get Started with Active Library Explorer	1/1553-CRAH 301 1061 Uen H	