



Hewlett Packard
Enterprise

HPE 3PAR OS 3.2.1 MU2 Patch 78

Release Notes

Abstract

This release notes document is for Patch 78 and intended for HPE 3PAR Operating System Software 3.2.1.200 (MU2).

Part Number: QL226-99755
Published: October 2017
Edition: 1

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Purpose

The HPE 3PAR OS 3.2.1 MU2 Patch 78 provides support for drive FW updates and enhanced logging.

Guidance: This is a recommended patch for HPE 3PAR OS 3.2.1.200 (MU2).

Base level requirements:

- Service Processor required: SP-4.3.0.GA-24+ latest SP patch.
- Base OS: 3.2.1.200 (MU2). See Requires in Patch details.

Patch details

Patch ID: P78

Synopsis: Provides support for drive FW updates and enhanced logging.

Date: October 19, 2017, 09:08:23 PDT

Affected Packages: tpd-drivefw, tpd-fwdb, tpd-sysmgr, tpd-prerevert

Obsoletes: OS-3.2.1.200-P62

Requires: OS-3.2.1.200-MU2, OS-3.2.1.200-P11, OS-3.2.1.200-P13, OS-3.2.1.200-P36

Build Version: 3.2.1.504

Patches Included: None

Patches Partially Superseded: OS-3.2.1.200-P11, OS-3.2.1.200-P13, OS-3.2.1.200-P36

Patches Obsolete by Combination: None

Revertible: Yes

Notes: Description of the obsoleted patches:

Patch ID: P62

Synopsis: Provides support for drive FW updates and new drives

Date: May 04, 2017, 19:43:06 PDT

Description: See the Release Notes for details about this patch

Affected Packages: tpd-drivefw, tpd-fwdb, tpd-sysmgr, tpd-prerevert

Obsoletes: None

Requires: OS-3.2.1.200-MU2, OS-3.2.1.200-P11, OS-3.2.1.200-P13, OS-3.2.1.200-P36

Build Version: 3.2.1.495

Notes:

NOTE:

- Applying this patch to the 3PAR OS might restart the affected OS components. With these restarts, events and alerts might be generated and this is an expected behavior. The array continues to serve data, but existing CLI or SSMC sessions might be interrupted.
- Hewlett Packard Enterprise recommends installing patches in the same sequence as they are released, unless instructed otherwise.
- When displaying the `showversion` command output from the SP, the CLI Client version is fixed in the SP code and may differ from the output from any other system.

Modifications included in this patch

Patch 78 provides firmware updates for the following 3PAR StoreServ Storage drive models:

Drive	Category	Capacity	Speed	StoreServ 10000	StoreServ 7000	FW
HCBF0600S5xeN010	FC	600GB	10K	Yes	Yes	3P05
HCBF1200S5xeN010	FC	1.2TB	10K	Yes	Yes	3P05
HCBF1800S5xeN010	FC	1.8TB	10K	Yes	Yes	3P05
HCBF1200S5xeF010	FC	1.2TB	10K	No	Yes	3P05

Affected operating system components

Component	Version
System Manager	3.2.1.504 (P78)
Firmware Database	20171012
Drive Firmware	20171012

Installing Drive Firmware

After a firmware patch is installed successfully, the firmware (drive or cage) must be updated manually. To update the firmware, run the CLI command `starttask admithw -ni`. This command runs the update process as a task. Record the task ID for monitoring purposes. Monitor the task for successful completion using the CLI command `showtask -d <task_ID>`. See the appropriate upgrade documentation for details on patch installation. If the task fails, resolve the issue due to which the task failed. After the issue is resolved, issue the CLI command `starttask admithw -ni`. Note the new task ID number and monitor the `admithw` task completion.

Verification

Issue the CLI command `showversion -a -b` to verify that this patch is listed as shown

```
showversion -a -b
Release version 3.2.1.200 (MU2)
Patches: P11,P13,P36,P78
```

```
Component Name          Version
CLI Server              3.2.1.226 (P11)
CLI Client              3.2.1.226
System Manager          3.2.1.504 (P78)
```

Kernel	3.2.1.200 (MU2)
TPD Kernel Code	3.2.1.200 (MU2)
TPD Kernel Patch	3.2.1.408 (P36)
CIM Server	3.2.1.200 (MU2)
WSAPI Server	3.2.1.226 (P11)
Console Menu	3.2.1.200 (MU2)
Event Manager	3.2.1.200 (MU2)
Internal Test Tools	3.2.1.200 (MU2)
LD Check Tools	3.2.1.200 (MU2)
Network Controller	3.2.1.226 (P11)
Node Disk Scrubber	3.2.1.200 (MU2)
PD Scrubber	3.2.1.200 (MU2)
Per-Node Server	3.2.1.200 (MU2)
Persistent Repository	3.2.1.200 (MU2)
Powerfail Tools	3.2.1.200 (MU2)
Preserved Data Tools	3.2.1.200 (MU2)
Process Monitor	3.2.1.200 (MU2)
Rolling Upgrade Tools	3.2.1.200 (MU2)
Software Updater	3.2.1.200 (MU2)
TOC Server	3.2.1.200 (MU2)
VV Check Tools	3.2.1.226 (P11)
File Persona	1.0.0.25-20141215
SNMP Agent	1.8.0
SSH	5.5p1-6+squeezel
VASA Provider	2.1.3
Firmware Database	20171012
Drive Firmware	20171012
UEFI BIOS	14.08.19
MCU Firmware	4.62
Cage Firmware (DC1)	4.44
Cage Firmware (DC2)	2.64
Cage Firmware (DC3)	08
Cage Firmware (DC4)	2.64
Cage Firmware (DCS1)	3219
Cage Firmware (DCS2)	3219
Cage Firmware (DCN1)	3219
QLogic QLA4052C HBA Firmware	03.00.01.77
QLogic QLE8242 CNA Firmware	04.11.151
Emulex LP11002 HBA Firmware	02.82.x10
Emulex LPe12002 HBA Firmware	02.02.x15
Emulex LPe12004 HBA Firmware	02.02.x15
Emulex LPe16002 HBA Firmware	01.01.65.16
3PAR FC044X HBA Firmware	200A8
LSI 9201-16e HBA Firmware	17.11.00
LSI 9205-8e HBA Firmware	17.11.00

Websites

General websites

Hewlett Packard Enterprise Information Library

www.hpe.com/info/EIL

Single Point of Connectivity Knowledge (SPOCK) Storage compatibility matrix

www.hpe.com/storage/spock

Storage white papers and analyst reports

www.hpe.com/storage/whitepapers

For additional websites, see [Support and other resources](#).

Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
<http://www.hpe.com/assistance>
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
<http://www.hpe.com/support/hpesc>

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates:

Hewlett Packard Enterprise Support Center

www.hpe.com/support/hpesc

Hewlett Packard Enterprise Support Center: Software downloads

www.hpe.com/support/downloads

Software Depot

www.hpe.com/support/softwaredepot

- To subscribe to eNewsletters and alerts:

www.hpe.com/support/e-updates

- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:

www.hpe.com/support/AccessToSupportMaterials

IMPORTANT:

Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport configured with relevant entitlements.

Customer self-repair

Hewlett Packard Enterprise customer self-repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience.

Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

<http://www.hpe.com/support/selfrepair>

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information

HPE Get Connected

www.hpe.com/services/getconnected

HPE Proactive Care services

www.hpe.com/services/proactivecare

HPE Proactive Care service: Supported products list

www.hpe.com/services/proactivecaresupportedproducts

HPE Proactive Care advanced service: Supported products list

www.hpe.com/services/proactivecareadvancedsupportedproducts

Proactive Care customer information

Proactive Care central

www.hpe.com/services/proactivecarecentral

Proactive Care service activation

www.hpe.com/services/proactivecarecentralgetstarted

Warranty information

To view the warranty for your product or to view the *Safety and Compliance Information for Server*,

Storage, Power, Networking, and Rack Products reference document, go to the Enterprise Safety and Compliance website:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

**Additional warranty information
HPE Storage Products**

www.hpe.com/support/Storage-Warranties

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