

HPE 3PAR OS 3.2.2 MU4 Patch 121 Release Notes

Abstract

This release notes document is for 3.2.2 MU4 P121.

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Purpose

The HPE 3PAR OS 3.2.2 MU4 Patch 121 provides support for new drives.

IMPORTANT: See the <u>HPE 3PAR OS and Service Processor Software Update Guide (HPE 3PAR OS 3.2.x HPE 3PAR Service Processor 4.x)</u> for instructions on updating your specific software.

Guidance

This is an as needed patch.

Prerequisites

- Minimum Service Processor required: SP-4.4.0 MU7 + latest SP Patch.
- Base OS: 3.2.2 MU4. See the Requires field in the Patch details.

Patch details

Patch ID: P121

Synopsis: Provides support for new drives.

Date: October 10, 2018, 11:20:13 PDT

Description: See the Release Notes for details about this patch

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

Obsoletes: OS-3.2.2.612-P102

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P59,OS-3.2.2.612-P84,OS-3.2.2.612-P92,OS-3.2.2.612-

P94,OS-3.2.2.612-P98,OS-3.2.2.612-P113,OS-3.2.2.612-P118,OS-3.2.2.612-P120

Build Version: 3.2.2.765
Patches Included: None.

Patches Partially Superseded: None.

Patches Obsolete by Combination: None.

Supports Revert: Yes

Notes: Description of the obsoleted patches:

Patch ID: P102

Synopsis: Provides support for drive FW updates

Date: July 27, 2018, 15:36:15 PDT

Description: See the Release Notes for details about this patch

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

Obsoletes: OS-3.2.2.612-P101

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P59,OS-3.2.2.612-P84,OS-3.2.2.612-P92,OS-3.2.2.612-P94

Build Version: 3.2.2.754

Notes: Description of the obsoleted patches:

Patch ID: P101

Synopsis: Provides support for drive FW updates

Date: January 16, 2018, 19:36:50 PST

Description: See the Release Notes for details about this patch

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

Obsoletes: OS-3.2.2.612-P57,OS-3.2.2.612-P74,OS-3.2.2.612-P95

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P59,OS-3.2.2.612-P84,OS-3.2.2.612-P92,OS-3.2.2.612-P94

Build Version: 3.2.2.718

Notes: Description of the obsoleted patches:

Patch ID: P57

Synopsis: Provides support for drive FW updates and new drives

Date: February 21, 2017, 15:51:53 PST

Description: See the Release Notes for details about this patch

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

Obsoletes: OS-3.2.2.612-P50

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P56

Build Version: 3.2.2.628

Notes: Description of the incorporated patches:

Patch ID: P50

Synopsis: Provides support for drive FW updates and new drives

Date: December 08, 2016, 14:35:12 PST

Description: See the Release Notes for details about this patch

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

Obsoletes: None

Requires: OS-3.2.2.612-MU4

Build Version: 3.2.2.617

Notes:

Patch ID: P74

Synopsis: Provides support for drive FW updates and new drives

Date: April 25, 2017, 12:44:06 PDT

Description: See the Release Notes for details about this patch Affected Packages: tpd-drivefw, tpd-fwdb, tpd-utils, tpd-prerevert

Obsoletes: OS-3.2.2.612-P58,OS-3.2.2.612-P73 Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P59

Build Version: 3.2.2.647

Notes: Description of the incorporated patches:

Patch ID: P58

Synopsis: Provides support for drive FW updates and new drives

Date: March 16, 2017, 21:06:22 PDT

Description: See the Release Notes for details about this patch

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

Obsoletes: None

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P56,OS-3.2.2.612-P57

Build Version: 3.2.2.636

Notes:

Patch ID: P73

Synopsis: Provides additional support for SSD drives

Date: April 14, 2017, 14:45:58 PDT

Description: See the Release Notes for details about this patch

Affected Packages: tpd-fwdb, tpd-prerevert

Obsoletes: OS-3.2.2.612-P72

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P56,OS-3.2.2.612-P57,OS-3.2.2.612-P58

Build Version: 3.2.2.645

Notes: Description of the incorporated patches:

Patch ID: P72

Synopsis: Provides additional support for SSD drives

Date: March 31, 2017, 19:44:14 PDT

Description: See the Release Notes for details about this patch

Affected Packages: tpd-fwdb, tpd-prerevert

Obsoletes: None

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P56,OS-3.2.2.612-P57,OS-3.2.2.612-P58

Build Version: 3.2.2.641

Notes:

Patch ID: P95

Synopsis: Provides support for new drive and drive FW updates

Date: October 30, 2017, 17:48:31 PDT

Description: See the Release Notes for details about this patch

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

Obsoletes: OS-3.2.2.612-P91

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P59,OS-3.2.2.612-P74,OS-3.2.2.612-P84

Build Version: 3.2.2.710

Notes: Description of the obsoleted patches:

Patch ID: P91

Synopsis: Provides support for new second source drives and drive FW updates

Date: August 14, 2017, 15:29:35 PDT

Description: See the Release Notes for details about this patch

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

Obsoletes: OS-3.2.2.612-P90

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P59,OS-3.2.2.612-P74,OS-3.2.2.612-P84

Build Version: 3.2.2.682

Notes: Description of the incorporated patches:

Patch ID: P90

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

Date: July 31, 2017, 11:43:58 PDT

Description: See the Release Notes for details about this patch

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

Obsoletes: None

Requires: OS-3.2.2.612-MU4,OS-3.2.2.612-P59,OS-3.2.2.612-P74,OS-3.2.2.612-P84

Build Version: 3.2.2.680

Notes:

NOTE: This patch is revertible, however, revert after the supported drives are in use makes them unavailable.

NOTE:

Hewlett Packard Enterprise recommends installing patches in the same sequence as they are released, unless instructed otherwise.

Modifications

HPE 3PAR OS 3.2.2 MU4 P121 provides support for the following new drives:

Drive	Categor y	Capacity	Speed	StoreSer v 10000	StoreSer v 7000	StoreServ 20000	StoreSer v 8000	FW
ARFX0920S5xnNT RI	SSD	920GB	150K	No	Yes	Yes	Yes	3P00
ARFX1920S5xnNT RI	SSD	1.92TB	100K	Yes	Yes	Yes	Yes	3P00
ARFX3840S5xnNT RI	SSD	3.84TB	100K	No	Yes	Yes	Yes	3P00
ARFX7680S5xnNT RI	SSD	7.68TB	100K	No	No	Yes	Yes	3P00
ARFX15T4S5xnNT RI	SSD	15.3TB	100K	No	No	Yes	Yes	3P00

Affected components

Component	Version
Firmware Database	3.2.2.765 (P121)
Drive Firmware	3.2.2.765 (P121)

NOTE: Applying an HPE 3PAR OS patch can cause a restart of the affected OS components. This restart is an expected behavior, which will generate events and alerts. The system continues to serve data, but existing CLI or SSMC sessions could be interrupted.

Installing Drive/Cage 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. Run the admithw task to successful completion as soon as possible after installing patches.

IMPORTANT: While revert is possible, HPE does not recommended reverting a patch that delivers firmware after the admithw command has been executed. The admithw command will activate/ update the new firmware. If the patch is reverted prior to admithw being executed, use the command showfirmwaredb -1 after the patch revert has completed to ensure that the FW status is changed from degraded (old firmware) to normal (current). If the OS on the array is upgraded to a later version after a firmware patch is installed, install firmware patches prior to executing admithw.

Verification

The installation of Patch 121 can be verified from an interactive CLI session. Issue the CLI command showversion -a -b to verify that Patch 121 is listed:

```
Release version 3.2.2.612 (MU4)
        Patches: P56, P59, P94, P98, P113, P118, P120, P121
        Component Name
                                                                                                                                                                                                                                                                           Version
CLI Server
CLI Client
System Manager
System Manage
        CLI Server
                                                                                                                                                                                                                                                                           3.2.2.744 (P113)
        CLI Client
                                                                                                                                                                                                                                                                           3.2.2.744
        System Manager
                                                                                                                                                                                                                                                                      3.2.2.753 (P118)
        QLogic 8300 HBA iSCSI Firmware 05.07.06
      Emulex LP11002 HBA Firmware 02.82.x10
Emulex LPe12002 HBA Firmware 02.03.x11
Emulex LPe12004 HBA Firmware 02.03.x11
Emulex LPe16002 HBA Firmware 10.6.248.4
Emulex LPe16004 HBA Firmware 10.6.248.4
3PAR FC044X HBA Firmware 200A8
```

LSI 9201-16e HBA Firmware	17.11.00 17.11.00	
LSI 9205-8e HBA Firmware LSI 9300-8e HBA Firmware	07.00.00	

 $\textbf{NOTE:} \ \textbf{When displaying the } \textbf{showversion command output from the SP, the CLI Client version is static in}$ the SP code and may differ from the output from any other system.

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 set up 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 information for your product, see the links provided below:

HPE ProLiant and IA-32 Servers and Options

www.hpe.com/support/ProLiantServers-Warranties

HPE Enterprise and Cloudline Servers

www.hpe.com/support/EnterpriseServers-Warranties

HPE Storage Products

www.hpe.com/support/Storage-Warranties

HPE Networking Products

www.hpe.com/support/Networking-Warranties

Regulatory information

To view the regulatory information for your product, view the Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products, available at the Hewlett Packard Enterprise Support Center:

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

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

www.hpe.com/info/reach

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

www.hpe.com/info/ecodata

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

www.hpe.com/info/environment

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