HPE 3PAR OS 3.3.1 GA Patch 12 Release Notes

Abstract

This document describes the features and issues included in HPE 3PAR OS 3.3.1.215 and is intended for use by Hewlett Packard Enterprise customers, partners and field representatives.

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Purpose

The HPE 3PAR OS 3.3.1 GA/EGA Patch 12 provides support for drive FW updates.

Guidance: This is a recommended patch for HPE 3PAR OS 3.3.1 GA/EGA.

Base level requirements:
- Service Processor required: SP-5.0.0.0 + latest SP patch.
- Base OS: OS-3.3.1.215-GA. See Requires in Patch Details.

Patch Details

Patch ID: P12

Synopsis: Provides support for drive FW updates.

Date: November 09, 2017, 16:19:46 PST

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

Obsoletes: OS-3.3.1.215-P06

Requires: OS-3.3.1.215-GA, OS-3.3.1.215-P01, OS-3.3.1.215-P02, OS-3.3.1.215-P04, OS-3.3.1.215-P05

Build Version: 3.3.1.307

Patches Included: None

Patches Partially Superseded: OS-3.3.1.215-P01, OS-3.3.1.215-P05

Patches Obsolete by Combination: P12+P13 obsoletes P05

Revertible: Yes

Notes: Description of the obsoleted patches:

Patch ID: P06

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

Date: August 21, 2017, 15:09:35 PDT

Description: See the Release Notes for details about this patch

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

Obsoletes: None

Requires: OS-3.3.1.215-GA, OS-3.3.1.215-P01, OS-3.3.1.215-P02, OS-3.3.1.215-P04,OS-3.3.1.215-P05

Build Version: 3.3.1.274

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

NOTE:
Size of AREA15T4S5xnNTRI & AREA15T4S5xnFTRI drive models were reported incorrect in previously release; corrected in this patch.

Drive	Category	Capacity	Speed	StoreServ 10000	StoreServ 7000	StoreServ 20000	StoreServ 8000	StoreServ 9000	FW
DDYE0400S5xnNMRI	SSD	400GB	150K	No	Yes	Yes	Yes	Yes	3P03
DDYE1920S5xnNMRI	SSD	1.92TB	100K	No	Yes	Yes	Yes	Yes	3P03
DDYE3840S5xnNMRI	SSD	3.84TB	100K	No	Yes	Yes	Yes	Yes	3P03
DDYM7680S5xnNMRI	SSD	7.68TB	100K	No	No	Yes	Yes	Yes	3P03
STHB1200S5xeF010	FC	1.2TB	10K	Yes	No	No	No	No	3P00
AREA15T4S5xnNTRI	SSD	15.3TB	100K	No	No	Yes	Yes	No	3P04
AREA15T4S5xnFTRI	SSD	15.3TB	100K	No	No	Yes	Yes	No	3P01

Affected Components

Component	Version
Firmware Database	3.3.1.307 (P12)
Drive Firmware	3.3.1.307 (P12)

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 3.3.1.215
Patches:   P01,P02,P04,P05,P12

Component Name                      Version
CLI Server                          3.3.1.228 (P02)
CLI Client                          3.3.1.228
System Manager                      3.3.1.264 (P05)
Kernel                              3.3.1.215
TPD Kernel Code                     3.3.1.228 (P02)
TPD Kernel Patch                    3.3.1.228 (P02)
CIM Server                          3.3.1.215
WSAPI Server                        3.3.1.215
Console Menu                        3.3.1.215
Event Manager                       3.3.1.215
Internal Test Tools                 3.3.1.215
LD Check Tools                      3.3.1.215
Network Controller                  3.3.1.215
Node Disk Scrubber                  3.3.1.215
PD Scrubber                         3.3.1.215
Per-Node Server                     3.3.1.228 (P02)
Persistent Repository               3.3.1.215
Powerfail Tools                     3.3.1.215
Preserved Data Tools                3.3.1.215
Process Monitor                     3.3.1.215
Software Updater                    3.3.1.228 (P02)
TOC Server                          3.3.1.228 (P02)
VV Check Tools                      3.3.1.217 (P01)
Upgrade Check Scripts               170330.U004 (3.3.1.215)
File Persona                        1.3.0.74-20170309
SNMP Agent                          1.10.0
SSH                                 6.0p1-4+deb7u5
VASA Provider                       3.0.12
Firmware Database                   3.3.1.307 (P12)
Drive Firmware                      3.3.1.307 (P12)
UEFI BIOS                           05.02.54
MCU Firmware (OKI)                  4.8.60
MCU Firmware (STM)                  5.3.17
Cage Firmware (DC1)                 4.44
Cage Firmware (DC2)                 2.64
Cage Firmware (DC3)                 08
Cage Firmware (DC4)                 2.64
Cage Firmware (DCN1)                4082
Cage Firmware (DCN2)                4082
Cage Firmware (DCS1)                4082
Cage Firmware (DCS2)                4082
Cage Firmware (DCS5)                2.78
```

```
Cage Firmware (DCS6)              2.78
Cage Firmware (DCS7)              4082
Cage Firmware (DCS8)              4082
QLogic QLA4052C HBA Firmware      03.00.01.77
QLogic QLE8242 CNA Firmware       04.15.27
QLogic 260x HBA FC Firmware       174.03.70
QLogic 27xx/268x HBA FC Firmware  174.03.70
QLogic 83xx HBA FCoE Firmware     08.01.05
QLogic 8300 HBA iSCSI Firmware    05.07.35
Emulex LP11002 HBA Firmware       02.82.x10
Emulex LPe12002 HBA Firmware      02.10.x02
Emulex LPe12004 HBA Firmware      02.10.x02
Emulex LPe16002 HBA Firmware      11.1.220.6
Emulex LPe16004 HBA Firmware      11.1.220.6
3PAR FC044X HBA Firmware          200A8
LSI 9201-16e HBA Firmware         17.11.03
LSI 9205-8e HBA Firmware          17.11.03
LSI 9300-8e HBA Firmware          10.00.08
```

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:

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

Additional warranty information

HPE Storage Products
    www.hpe.com/support/Storage-Warranties

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