HP 3PAR OS 3.2.1 MU2 Patch 13
Release Notes

This release notes document is for Patch 13 and intended for HP 3PAR Operating System Software 3.2.1.200 (MU2) plus Patch 11 (P11).

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Documentation

For the latest version of this document, go to http://www.hp.com/go/3par/, navigate to your product page, click **Support for your product**, and then click **Manuals**.

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1 Overview of HP 3PAR OS

This release notes document describes the modifications and known issues for Patch 13. The application of this patch is intended for HP 3PAR OS 3.2.1.200 (MU2) plus patch 11 (P11). This patch is intended to be installed on an as required basis.

NOTE: HP 3PAR OS 3.2.1 MU2 P13 must be installed for the Recovery Manager Central to function properly.

Supported platforms

The HP 3PAR Configuration Matrix for HP 3PAR OS 3.2.1 contains information about supported hardware and software platforms. For additional information, see the Single Point of Connectivity Knowledge for HP Storage Products (SPOCK) website: http://www.hp.com/storage/spock.

Patch Details

- Patch Name: HP 3PAR OS 3.2.1 MU2 P13
- Prerequisite: The Service Processor must be at release level SP-4.3.0.GA-24 plus the latest patch (if applicable)
- This patch applies to: HP 3PAR OS Release 3.2.1.200 (MU2) plus patch 11 (P11)

NOTE: This patch is not revertible.

NOTE: Applying this patch to the HP 3PAR OS might restart the affected OS components. With these restarts, events and alerts might be generated and this is an expected behavior. The system continues to serve data, but existing CLI or IMC sessions might be interrupted.

Included in this patch

HP 3PAR OS 3.2.1 MU2 P13 includes:

- Issue ID: 125866, 123601, 128243, 131864, 131867, 131868, 131866, 131869
- Description: Support for the following drives:
  - HCBF1200S5xeF010
  - HSCP1920S5xnFMRI
  - SAVN1000S5xeN7.2

  Additionally, Recovery Manager Central (RMC) issues are resolved and additional SFPs are now correctly recognized.

- Affected Packages: tpd-cfgfiles, tpd-drivefw, tpd-fwdb, tpd-kernelpatch, tpd-sysmgr, tpd-prerevert
- Obsoletes: OS-3.2.1.200-P10
- Requires: OS-3.2.1.200-MU2,OS-3.2.1.200-P11
- Build Version: 3.2.1.286

NOTE: HP recommends installing patches in the same sequence as they are released, unless instructed otherwise.

Affected components

Component	Version
System Manager	3.2.1.286 (P13)
TPD kernel patch	3.2.1.286 (P13)
Firmware Database	20150424
Drive Firmware	20150424

Modifications to the HP 3PAR OS

The purpose of this patch is to provide support for the following drives:

- HCBF1200S5xeF010 drives on HP 3PAR StoreServ 7xxx Storage systems and HP 3PAR StoreServ 7xxxc Storage systems.

- HSCP1920S5xnFMRI drives on HP 3PAR StoreServ 7xxx Storage systems and HP 3PAR StoreServ 7xxxc Storage systems.

- SAVN1000S5xeN7.2 drives on HP 3PAR StoreServ 7xxx Storage systems and HP 3PAR StoreServ 7xxxc Storage systems.

It also resolves Recovery Manager Central (RMC) issues and additional SFPs are recognized correctly.

This release addresses the following items:

Issue number	Description
123601	Resolves an issue where allocation/difference map reporting structure does not allow for use of fine granularity with some offsets.
125866	Resolves an issue where virtual volumes cannot be removed from 3PAR array even if retention time and expiration time is over.
128243	Provides support for Avago SFPs.
131866	Provide support for HSCP1920S5xnFMRI drive
131867	Provide support for HCBF1200S5xeF010 drive
131869	Provide support for SAVN1000S5xeN7.2 drive

Verifying the patch installation

① **IMPORTANT:** 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`. The `starttask admithw -ni` 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.

The installation of Patch 13 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 13 is listed.

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

Component Name                  Version
CLI Server                      3.2.1.226 (P11)
CLI Client                      3.2.1.226
```

```
System Manager                    3.2.1.286 (P13)
Kernel                            3.2.1.200 (MU2)
TPD Kernel Code                   3.2.1.200 (MU2)
TPD Kernel Patch                  3.2.1.286 (P13)
.
.
.
Firmware Database                 20150424
Drive Firmware                    20150424
```

NOTE: When displaying the `showversion` command output from the Service Processor, the CLI Client version is fixed in the SP code, and might differ from the output displayed from any other system.