

HP 3PAR OS 3.2.1 MU3 Patch 18 Release Notes

This release notes document is for Patch 18 and intended for HP 3PAR Operating System Software 3.2.1.292 (MU3).

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Documentation

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1 Overview of HP 3PAR OS

This release notes document describes the modifications and known issues for Patch 18. The application of this patch is intended for HP 3PAR OS 3.2.1.292 (MU3). This is a recommended patch.

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 MU3 P18
- Service processor (SP) prerequisite: SP-4.3.0.GA-24
- OS prerequisite: OS-3.2.1.292-MU3, OS-3.2.1.292-P17
- This patch applies to: HP 3PAR OS Release 3.2.1.292 (MU3)

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 MU3 P18 includes:

- Synopsis: Quality advances for Dedup and VASA. Enables AFC support for additional SSD drives.
- Affected Packages: tpd-kernelpatch, tpd-admck, tpd-sysmgr, tpd-vasa, tpd-prerevert
- Obsoletes: None
- Requires: OS-3.2.1.292-MU3, OS-3.2.1.292-P17
- Build Version: 3.2.1.320

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

Affected components

Component	Version
TPD kernel patch	3.2.1.320 (P18)
System Manager	3.2.1.320 (P18)
CIM Server	3.2.1.312 (P17)
VV Check Tools	3.2.1.320 (P18)
VASA Provider	2.1.8 (P18)

Modifications to the HP 3PAR OS

This release addresses the following items:

Description
VMware hosts lost access to 3PAR volumes while running tunesys.
Enables Adaptive Flash Cache support for additional SSD drives.
VASA provider is changed to reduce CPU utilization when processing a large number of large volumes (consuming greater than 2 TB of physical space) exported to ESX hosts, which could also result in the provider terminating the session with vSphere.

Verifying the patch installation

The installation of Patch 18 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 18 is listed.

```
cli% showversion -a -b
Release version 3.2.1.292 (MU3)
Patches: P18

Component Name                Version
System Manager                 3.2.1.320 (P18)
TPD Kernel Patch               3.2.1.320 (P18)
CIM Server                     3.2.1.312 (P17)
VV Check Tools                 3.2.1.320 (P18)
VASA Provider                  2.1.8 (P18)
.
.
```

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