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Enterprise

# HPE 3PAR OS 3.1.2 MU3 Patch 48 Release Notes

This release notes document is for Patch 48 and intended for HPE 3PAR Operating System Software 3.1.2.484 (MU3)+Patch 16.

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#### **Documentation**

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# 1 Purpose

HPE 3PAR OS 3.1.2 MU3 P48 improves drive error handling.

## Guidance

This patch is intended for 3PAR OS 3.1.2 MU3 and should be installed as-needed based on the modifications included in the patch. All supported hardware platforms are susceptible to the issues corrected in this patch.

## Prerequisites

- **SP:** SP 4.1.0.GA-97 (MU2) plus the latest SP patch (if any)
- **OS:** OS-3.1.2.484-MU3, OS-3.1.2.484-P16

## Details

- **Affected packages:** tpd-kernelpatch, tpd-sysmgr, tpd-libcli, tpd-libhitachi, tpd-libgalaxy, tpd-libstec-mach-8, tpd-update, tpd-prerevert
- **Obsoletes:** OS-3.1.2.484-P29, OS-3.1.2.484-P45
- **Build version:** 3.1.2.616
- **Revertible:** No

## Warnings, cautions and notes

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### NOTE:

- Installing P16 requires significant preparation and upgrading of all the related 3PAR components and host applications. For more information, see *HP 3PAR OS 3.1.2 MU3 Patch 16 Release Notes* (QL226-97105).
  - 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 system 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 might differ from the output displayed from any other system.
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## Affected components

Component	Version
System Manager	3.1.2.616 (P48)
TPD Kernel Patch	3.1.2.616 (P48)
Software Updater	3.1.2.616 (P48)

## Modifications

This patch includes the following modifications to 3PAR OS 3.1.2 MU3:

- Improves drive error handling to avoid simultaneous dual drive restarts.

## Verification

The installation of Patch 48 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 48 is listed.

```
cli% showversion -a -b
Release version 3.1.2.484 (MU3)
Patches: P16,P48

Component Name                Version
CLI Server                     3.1.2.496 (P16)
CLI Client                     3.1.2.496 (P16)
System Manager                 3.1.2.616 (P48)
TPD Kernel Patch              3.1.2.616 (P48)
CIM Server                    3.1.2.496 (P16)
WSAPI Server                   3.1.2.496 (P16)
Software Updater              3.1.2.616 (P48)

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