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Enterprise

# HPE 3PAR OS 3.2.1 MU2 Patch 36 Release Notes

This release notes document is for Patch 36 and intended for HPE 3PAR Operating System Software 3.2.1.200 (MU2)+P13.

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# 1 Purpose

HPE 3PAR OS 3.2.1 MU2 P36 provides improved error handling for physical disk (PD) failures and improvements to servicemag.

## Guidance

This patch is intended for 3PAR OS 3.2.1 MU2 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:** 4.3.0.GA-24 plus the latest SP patch (if any)
- **OS:** OS-3.2.1.200-MU2 + P13

## Details

- **Affected packages:** tpd-kernelpatch, tpd-libcli, tpd-libgalaxy, tpd-libhitachi, tpd-libstec-mach-8, tpd-libtextconv, tpd-sysmgr, tpd-utils, tpd-prerevert
  - **Obsoletes:** OS-3.2.1.200-P16
  - **Build version:** 3.2.1.408
- Revertible:** Yes

## Warnings, cautions and notes

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### 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 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	3.2.1.408 (P36)
TPD Kernel Patch	3.2.1.408 (P36)

## Modifications

This patch includes the following modifications to 3PAR OS 3.2.1 MU2:

- Servicemag now prevents LD allocation and chunklet movement on the serviced physical disks.
- The lifetime counts of uncorrectable errors is now monitored. When it exceeds preset limits, an event is generated and the drive is evacuated so it can be replaced.

## Verification

The installation of Patch 36 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 36 is listed.

```
cli% showversion -a -b
Release version 3.2.1.200 (MU2)
Patches: P11,P12,P13,P36

Component Name                Version
CLI Server                    3.2.1.226 (P11)
CLI Client                    3.2.1.226
System Manager                3.2.1.408 (P36)
Kernel                       3.2.1.200 (MU2)
TPD Kernel Code               3.2.1.226 (P11)
TPD Kernel Patch              3.2.1.408 (P36)
CIM Server                    3.2.1.200 (MU2)
WSAPI Server                  3.2.1.226 (P11)
Network Controller            3.2.1.226 (P11)
VV Check Tools                3.2.1.226 (P11)
VASA Provider                 2.1.4 (P12)

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```