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Enterprise

# HPE 3PAR OS 3.2.2 MU2 Patch 20 Release Notes

This release notes document is for Patch 20 and intended for HPE 3PAR Operating System Software 3.2.2.390 (MU2)+P19.

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#### **Documentation**

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# 1 Purpose

HPE 3PAR OS 3.2.2 MU2 P20 provides improved error handling for PD failures and improvements to servicemag.

## Guidance

This patch is intended for 3PAR OS 3.2.2 MU2 and should only be installed as-needed.

## Prerequisites

- **SP:** 4.4.0.GA-30 plus the latest SP patch (if any)
- **OS:** OS-3.2.2.390-MU2 + OS-3.2.2.390-P19

## Details

- **Affected packages:** tpd-libcli, tpd-libtextconv, tpd-sysmgr, tpd-utils, tpd-prerevert
- **Obsoletes:** None
- **Build version:** 3.2.2.420  
**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	3.2.2.420 (P20)
TPD Kernel Patch	3.2.2.412 (P19)

## Modifications

This patch includes the following modifications to 3PAR OS 3.2.2 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 20 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 20 is listed.

```
cli% showversion -a -b
Release version 3.2.2.390 (MU2)
Patches: P14,P19,P20

Component Name                Version
CLI Server                    3.2.2.390 (MU2)
CLI Client                    3.2.2.390
System Manager                3.2.2.420 (P20)
Kernel                        3.2.2.390 (MU2)
TPD Kernel Code               3.2.2.390 (MU2)
TPD Kernel Patch              3.2.2.412 (P19)
CIM Server                    3.2.2.404 (P14)

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```