

HP 3PAR OS 3.1.3 MU1 Patch 12

Release Notes

This release notes document is for Patch 12 and intended for HP 3PAR Operating System Software 3.1.3.230 (MU1) with Patch 10 (P10).

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Documentation

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Contents

1 Overview of HP 3PAR OS.....	4
Supported Platforms.....	4
Patch Details.....	4
Included in This Patch.....	4
Affected components.....	4
Modifications to the HP 3PAR OS.....	5
Verifying the patch installation.....	5

1 Overview of HP 3PAR OS

This release notes document describes the modifications and known issues for Patch 12. This is only intended to be applied to HP 3PAR OS 3.1.3.230 (MU1) with Patch 10 (P10). This is a recommended patch.

The installation of this patch affects the following packages:

- tpd-kernelpatch
- tpd-sysmgr
- tpd-prerevert

Supported Platforms

The HP 3PAR Configuration Matrix for HP 3PAR OS 3.1.3 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 3.1.3 MU1 P12
- Prerequisite: The Service Processor must be at release level SP-4.2.0.GA-29 + the latest available patch
- This patch applies to: HP 3PAR OS Release 3.1.3.230 (MU1) with Patch 10 (P10)
- Obsoletes: None

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 3.1.3 MU1 P12 includes:

- Issue ID: 125084, 123814, 122458, 124442, 125444
- Description: Corrects Remote Copy, ODX (XCOPY Lite) and unexpected array restart issues.
- Affected Packages: tpd-kernelpatch, tpd-sysmgr, tpd-prerevert
- Obsoletes: None
- Requires: OS-3.1.3.230-MU1, OS-3.1.3.230-P10
- Build Version: 3.1.3.266

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

Affected components

Component	Version
System Manager	3.1.3.266 (P12)
TPD Kernel Patch	3.1.3.266 (P12)

Modifications to the HP 3PAR OS

This release addresses the following items:

Issue ID	Description
122458	Corrects token processing for XCOPY Lite operations.
123814	Corrects Remote Copy structures after the upgrade.
124442	Corrects XCOPY Lite synchronization.
125084	Correct checkhealth issues for Remote Copy during node restart.
125444	Race condition during node down recovery and read ahead might cause an unexpected array restart.

Verifying the patch installation

The installation of Patch 12 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 12 is listed.

```
cli% showversion -a -b
Release version 3.1.3.230 (MU1)
Patches: P09, P10, P12

Component Name          Version
CLI Server              3.1.3.258 (P10)
CLI Client              3.1.3.258
System Manager          3.1.3.266 (P12)
Kernel                  3.1.3.230 (MU1)
TPD Kernel Code         3.1.3.230 (MU1)
TPD Kernel Patch        3.1.3.266 (P12)
...
```

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 on another system.