

# HP 3PAR OS 3.1.2 MU2 Patch 10 Release Notes

This release notes document is for Patch 10 and applies to the HP 3PAR Operating System Software version 3.1.2.422 (MU2).

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### Documentation

For the latest version of this document, go to <http://www.hp.com/go/3par/>, navigate to your product page, click **Support for your product**, and then click **Manuals**.

This release notes document describes the modifications and known issues for Patch 10. This is a recommended patch and is only intended to be applied to HP 3PAR OS 3.1.2.422 (MU2). Only an authorized HP Service Provider should perform this maintenance procedure.

## 1.1 Supported platforms

The HP 3PAR Configuration Matrix for HP 3PAR OS 3.1.2 contains information about supported hardware and software platforms. For a list of supported versions of each operating system, see the Single Point of Connectivity Knowledge (SPOCK) website <http://www.hp.com/storage/spock>.

## 1.2 Verifying the patch installation

The installation of Patch 10 can be verified from an Interactive CLI session. Issue the CLI command, `showversion -a -b` to verify that Patch 10 is listed.

```
showversion -a -b
Release version 3.1.2.422 (MU2)
Patches: P10

Component Name          Version
CLI Server              3.1.2.422 (MU2)
CLI Client              3.1.2.278
System Manager         3.1.2.422 (MU2)
Kernel                 3.1.2.422 (MU2)
TPD Kernel Code       3.1.2.422 (MU2)
CIM Server             3.1.2.422 (MU2)
...
...
Software Updater      3.1.2.454 (P10)
```

## 1.3 Components

Component	Version
HP 3PAR OS	3.1.2.422 (MU2)
CLI Client	3.1.2.278
Software Updater	3.1.2.454 (P10)

**NOTE:** Applying this patch to the HP 3PAR OS may restart the affected OS components. With these restarts, events and alerts may be generated and this is an expected behavior. The system will continue to serve data, but existing CLI or IMC sessions may be interrupted.

## 1.4 Modifications to the HP 3PAR OS

The purpose of this firmware patch is to provide support for:

- Hitachi 2 TB (HUS724020ALS640) drives on HP 3PAR StoreServ 7000 Storage systems, HP 3PAR StoreServ P10000 Storage systems, F-class systems, and T-class systems
- Hitachi 3 TB (HUS724030ALS640) and 4 TB (HUS724040ALS640) drives on HP 3PAR StoreServ 7000 Storage systems

This release addresses following items:

Issue ID	Item	Description
86579	Support for Vega drives added.	This patch includes a firmware that supports the drives for Vega.
90238	Added Hitachi and HGST specific set block size function to recognize HGST drive.	Added the HGST vendor name recognition.
92018	Marks-K+ Non-SED drives showing as FC instead of NL.	The issue where Marks-K+ Non-SED drives are seen as FC instead of NL. This is resolved.