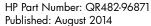
HP 3PAR OS 3.1.3 MU1 Patch 03 Release Notes

This release notes document is for Patch 03 and intended for HP 3PAR Operating System Software 3.1.3.230 (MU1).



Edition: 1



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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.

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1 Overview of HP 3PAR OS

This release notes document describes the modifications and known issues for Patch 03. The application of this patch is intended for HP 3PAR OS 3.1.3.230 (MU1).

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, go to the Single Point of Connectivity Knowledge for HP Storage Products (SPOCK) website: http://www.hp.com/storage/spock.

Verifying the patch installation

The installation of Patch 03 can be verified from an interactive CLI session. Issue the CLI command showversion -a -b to verify that Patch 03 is listed.

```
cli% showversion -a -b
Release version 3.1.3.230
Patches: P03
Component Name
                                 Version
CLI Server
                                 3.1.3.230
CLI Client
                                 3.1.3.188
System Manager
                                 3.1.3.230
Kernel
                                 3.1.3.230
TPD Kernel Code
                                 3.1.3.230
TPD Kernel Patch
                                 3.1.3.230
Firmware Database
                                 20140715
Drive Database
                                 20140715
```

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.

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.

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

Components

Component	Version
CLI Server	3.1.3.230
CLI Client	3.1.3.188
Firmware Database	20140715
Drive Firmware	20140715

Modifications to the HP 3PAR OS

This release addresses the following item:

Issue number	Description
108121	The purpose of this patch is to resolve a rounding error in the wear calculation of the drive model DOPE 1920S5xnNMRI.

The firmware is improved for the following drive:

• DOPE 1920S5xnNMRI drive on HP 3PAR StoreServ 7xxx Storage systems