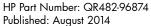
HP 3PAR OS 3.1.3 MU1 Patch 06 Release Notes

This release notes document is for Patch 06 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 06. 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, see 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 06 can be verified from an interactive CLI session. Issue the CLI command showversion -a -b to verify that Patch 06 is listed.

```
cli% showversion -a -b
Release version 3.1.3.230 (MU1)
Patches: P06
Component Name
                                 Version
CLI Server
                                 3.1.3.230 (MU1)
CLI Client
                                 3.1.3.188
System Manager
                                 3.1.3.236 (P06)
Kernel
                                 3.1.3.230 (MU1)
TPD Kernel Code
                                 3.1.3.230 (MU1)
CIM Server
                                 3.1.3.230 (MU1)
. . .
```

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
System Manager	3.1.3.236

Modifications to the HP 3PAR OS

This release addresses the following item:

Issue number	Description
110881	The purpose of this patch is to prevent unresponsive volume operations when starting a Remote Copy group.