



Hewlett Packard
Enterprise

HPE 3PAR OS 3.1.3 MU3 Patch 24 Release Notes

This release notes document is for Patch 24 and intended for HPE 3PAR Operating System Software 3.1.3.334 (MU3) + P19.

Part Number: QL226-99298
Published: August 2016
Edition: 1

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Documentation

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Contents

1 Purpose.....	4
Guidance.....	4
Prerequisites.....	4
Patch details.....	4
Warnings, cautions and notes.....	5
Affected components.....	5
Modifications.....	5
Verification.....	5

1 Purpose

HPE 3PAR OS 3.1.3 MU3 P24 provides quality improvements for Remote Copy (RC), Virtual Volume (VV) management, and memory consistency.

Guidance

- This patch is intended for 3PAR OS 3.1.3 MU3.
- This is a recommended patch.
- All supported hardware platforms are susceptible to the issues corrected in this patch.

Prerequisites

- SP prerequisite: 4.2.0.GA-29 plus the latest SP patch (if any)
- OS prerequisite: OS-3.1.3.334-MU3 + P19

Patch details

Patch ID: P24

Synopsis: Quality improvements for RC, VV management, and memory consistency

Date: June 29, 2016, 18:35:26 PDT

Description: See Release notes for details about this patch

Affected Packages: tpd-sysmgr, tpd-kernelpatch, tpd-prerevert

Obsoletes: OS-3.1.3.334-P21

Requires: OS-3.1.3.334-MU3 + P19

Build Version: 3.1.3.352

Supports Revert: Yes

Notes: Description of the incorporated patch:

Patch ID: P21

Synopsis: Corrects behavior for unsupported SCSI commands on PE LUNs

Date: May 04, 2016, 12:08:51 PDT

Description: See Release notes for details about this patch

Affected Packages: tpd-kernelpatch, tpd-prerevert

Obsoletes: None

Requires: OS-3.1.3.334-MU3

Build Version: 3.1.3.346

Warnings, cautions and notes

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.

Affected components

Component	Version
System Manager	3.1.3.352 (P24)
TPD Kernel Patch	3.1.3.352 (P24)

Modifications

This patch includes the following modifications to 3PAR OS 3.1.3 MU3:

- Prevents VV resizing when the system manager is restarted if the VV is not aligned on 256 MB boundaries.
- Prevents unexpected controller node restarts when changing a port from a mode that uses NPIV (Persistent Ports or Peer Motion) to a mode that does not.
- Resolves an issue with the system manager when remote copy groups and the quorum witness start simultaneously.

Verification

The installation of Patch 24 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 24 is listed.

```
cli% showversion -a -b
Release version 3.1.3.334 (MU3)
Patches: P18,P19,P24

Component Name          Version
CLI Server              3.1.3.334 (MU3)
CLI Client              3.1.3.334
System Manager          3.1.3.352 (P24)
Kernel                  3.1.3.334 (MU3)
TPD Kernel Code         3.1.3.334 (MU3)
TPD Kernel Patch        3.1.3.352 (P24)
Software Updater        3.1.3.342 (P19)
```