



Hewlett Packard
Enterprise

HPE 3PAR OS 3.2.2 EGA Patch 35 Release Notes

This release notes document is for Patch 35 and intended for HPE 3PAR Operating System Software 3.2.2.290 (EGA).

Part Number: QL226-99344
Published: August 2016
Edition: 1

© Copyright 2016 Hewlett Packard Enterprise Development LP

The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Confidential computer software. Valid license from Hewlett Packard Enterprise required for possession, use, or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Acknowledgments

Intel®, Itanium®, Pentium®, Intel Inside®, and the Intel Inside logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Microsoft® and Windows® are trademarks of the Microsoft group of companies.

Adobe® and Acrobat® are trademarks of Adobe Systems Incorporated.

Java and Oracle are registered trademarks of Oracle and/or its affiliates.

UNIX® is a registered trademark of The Open Group.

Documentation

For the latest version of this document, go to www.hpe.com/info/enterprise/docs.

Contents

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

1 Purpose

HPE 3PAR OS 3.2.2 EGA P35 prevents unexpected controller node restarts with 16 Gb Fibre Channel (FC).

Guidance

This patch is intended for 3PAR OS 3.2.2 EGA. This is a recommended patch, but it is required for online upgrades. All supported hardware platforms are susceptible to the issues corrected in this patch.

Prerequisites

- SP prerequisite: 4.4.0.GA-22 plus the latest SP patch (if any)
- OS prerequisite: OS-3.2.2.290-EGA

Patch details

Patch ID: P35

Synopsis: Prevents unexpected node restarts with 16Gb FC

Date: August 01, 2016, 17:50:42 PDT

Description: See the Release Notes for details about this patch

Affected Packages: tpd-kernelpatch, tpd-prerevert

Obsoletes: OS-3.2.2.290-P06

Requires: OS-3.2.2.290-EGA

Build Version: 3.2.2.532

Supports revert: Yes

Notes: Description of the incorporated patches:

Patch ID: P06

Synopsis: Prevents unexpected array restart when replicating synchronous Remote Copy

Date: November 04, 2015, 15:50:08 PST

Description: See the Release Notes for details about this patch

Affected Packages: tpd-kernelpatch, tpd-prerevert

Obsoletes: None

Requires: OS-3.2.2.290-EGA

Build Version: 3.2.2.328

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
TPD Kernel Patch	3.2.2.532 (P35)

Modifications

This patch includes the following modifications to 3PAR OS 3.2.2 EGA:

- Prevents unexpected controller node restarts with 16 Gb FC during online upgrade, controller node reboots, and `controlport` reset operations.

Verification

The installation of Patch 35 can be verified from an interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 35 is listed.

```
cli% showversion -a -b
Release version 3.2.2.290 (EGA)
Patches: P03,P04,P10,P35

Component Name                Version
CLI Server                    3.2.2.290
CLI Client                    3.2.2.290
System Manager                3.2.2.290
Kernel                        3.2.2.290
TPD Kernel Code               3.2.2.300 (P03)
TPD Kernel Patch              3.2.2.532 (P35)
Firmware Database             3.2.2.304 (P04)
Drive Firmware                3.2.2.304 (P04)
```