

# HP 3PAR OS 3.1.2 Patch 03 Release Notes

This release notes document is for Patch 03 and applies to the HP 3PAR Operating System Software version 3.1.2.278 (GA) with Patch P01 installed or HP 3PAR Operating System Software version 3.1.2.322 (MU1).

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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 03. This is a recommended patch and is only intended to be applied to HP 3PAR OS 3.1.2.278 (GA) plus Patch P01 or HP 3PAR OS 3.1.2.322 (MU1). 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 03 can be verified from an Interactive CLI session. Issue the CLI command `showversion -a -b` to verify that Patch 03 is listed.

```
showversion -a -b
Release version 3.1.2.278
Patches: P01 P03

Component Name          Version
CLI Server              3.1.2.282 (P01)
CLI Client              3.1.2.278
System Manager         3.1.2.282 (P01)
Kernel                 3.1.2.278
TPD Kernel Code        3.1.2.278
TPD Kernel Patch       3.1.2.282 (P01)
```

## 1.3 Components

Component	Version
HP 3PAR OS	3.1.2.278

**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 following item is addressed in this release.

Issue ID	Item	Description
84763	startao fails with the error "too many attached databases"	An issue is identified with the Adaptive Optimization (AO) feature and it results in the command terminating with the error. This occurs on systems where large amounts of region I/O density information is collected over a period of time. This issue is addressed.