

HP 3PAR Management Console 4.3.0

Release Notes

Abstract

The information in this document is intended for use by HP customers, partners, and HP field representatives. These release notes describe the features and fixes included in HP 3PAR Management Console 4.3.0.



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Warranty

<http://www.hp.com/go/storagewarranty>

1.1 Introduction

This document provides the release notes for HP 3PAR Management Console 4.3.0.

NOTE: The HP 3PAR Storage System has been rebranded as the HP 3PAR StoreServ Storage system.

To obtain a copy of this documentation, go to the HP 3PAR support site:

http://www.hp.com/3par/support_manuals

1.2 What's New in the Management Console

The HP 3PAR Management Console allows you to administer all of your HP 3PAR StoreServ Storage systems from a single management window, including remote systems used for replication. A single screen provides a dashboard view of all your connected 3PAR StoreServ Storage systems, regardless of model, as well as graphical charts and tables representing important system data and remote replication configurations.

The key enhancements in this release are:

1.2.1 New Features

- The HP 3PAR Management Console now provides the ability to configure, manage, and create reports for Adaptive Optimization. Adaptive Optimization enables a granular, policy-driven, autonomic sub-LUN storage-tiering solution that delivers service-level optimization for virtual and cloud data centers in order to reduce cost while both increasing agility and minimizing risk.
- The HP 3PAR Management Console now provides the ability to configure and manage Peer Motion between HP 3PAR StoreServ Storage systems. Peer Motion enables customers both to perform technology refresh seamlessly and to lower technology refresh capital expenditure.
- The HP 3PAR Management Console now provides the ability to schedule tasks, configure LDAP, set licenses, and set the priority of physical copy creation tasks.
- The HP 3PAR Management Console now provides the ability to perform an online conversion of a fully provisioned virtual volume to a Thin volume, and vice versa.
- The HP 3PAR Management Console has enhanced Remote Copy management to support new capabilities such as configuring synchronous and asynchronous periodic Remote Copy between a pair of HP 3PAR StoreServ Storage systems, configuring bidirectional replication on the synchronous link in a Synchronous Long Distance replication, and configuring bidirectional replication on both links in a 1-to-2 replication topology.

1.2.2 Ease-of-Use Enhancements

- The virtual volume creation wizard now provides the option to export volumes to host(s) immediately after creation.
- Inline and online help functionality has been improved.
- The host persona is now automatically selected based on the host's operating system selection.
- Locate functionality has been enhanced.

1.3 Modifications to the Management Console

The following items have been addressed in this release.

Bug ID	Item	Description
62078	The Management Console reportedly removed the wrong VLUNs	The Management Console reportedly removed VLUNs other than those the user selected for deletion. However, this issue has not been reproduced. To track and verify possible future issues, the log now records all VLUNs to be removed.
79274	The Create Virtual Volume wizard did not set zero detect to "on" by default	The Create Virtual Volume wizard now sets zero detect to "on" by default, regardless of the HP 3PAR OS version of the HP 3PAR StoreServ Storage system. To override the default, turn on Advanced Mode in the Virtual Volume wizard and change the zero detect setting. NOTE: If you use the CLI to create virtual volumes on storage systems using a HP 3PAR OS previous to 3.1.2, the CLI command will set zero detect to "off" by default.
74623	The Tune System feature required a Dynamic Optimization license	The Tune System feature no longer requires a Dynamic Optimization license for HP 3PAR OS 3.1.2 and later systems.
46335	The Management Console showed the CPG as failed although the CPG can grow	An issue in the CPG growth area, which caused the Management Console to incorrectly display the CPG as failed, has been fixed.
67016	The Management Console did not show the correct RAID type	The Management Console now displays the correct RAID type for volumes. If a RAID 6 volume is created, the Management Console now displays RAID 6 instead of the incorrect RAID 0.

1.4 Known Issues with the HP 3PAR Management Console

1.4.1 Peer Motion Migration of a Physical Copy Still in Progress Will Fail (Bug 79124)

If creation of a physical copy is in progress when you attempt a Peer Motion migration, the Peer Motion migration will fail.

Workaround:

Wait until the physical copy task has completed and try the migration again.

1.4.2 Cage Upgrades Can Cause an Exception (Bug 79294)

When you upgrade a cage, the Management Console might throw an exception.

Workaround:

Close the Management Console while you are upgrading a cage.

1.4.3 Converting Existing Remote Copy 1-to-1 Configurations to Synchronous Long Distance (SLD) Not Supported (Bug 48421)

The Management Console currently does not support conversion of an existing Remote Copy 1-to-1 configuration to a Synchronous Long Distance configuration. Providing this conversion will be addressed in a future release.

Workaround:

Use HP 3PAR OS CLI commands to convert a 1-to-1 configuration to a Synchronous Long Distance configuration.

1.4.4 Cannot Create RW Snapshots from RW Bases or Snapshots (Bug 79230)

If the virtual volumes used to create a snapshot are read/write (RW), the Management Console can only create read-only (RO) snapshots. The Management Console does not support creating RW snapshots from RW bases (or snapshots).

Workaround:

Use HP 3PAR OS CLI commands to create RW snapshots from RW bases or snapshots.

1.4.5 The Management Console Fails during a Rolling Upgrade (Bug 46452)

A Management Console fatal error occurs when a rolling upgrade is performed on the HP 3PAR StoreServ Storage system.

Workaround:

When performing a rolling upgrade on an HP 3PAR StoreServ Storage system, shut down all instances of the Management Console that are connected to that HP 3PAR StoreServ Storage system.

1.4.6 Use IE 8 or 9 or Firefox 14 or 15 to Access Management Console Online Help (Bug 79134)

HP 3PAR Management Console Online Help is not supported in Internet Explorer 10.

Workaround:

If you are unable to use Internet Explorer 8 or 9, use Mozilla Firefox 14 or 15 to access the Online Help.

1.4.7 The Management Console Might Run out of Memory when Left Running (Bug 44409)

The Management Console might eventually run out of memory and require a restart if it is connected to multiple HP 3PAR StoreServ Storage systems and left running for days. This issue occurs when the JVM does not release memory back to the operating system even after garbage collection has occurred and even when the Management Console is not using all the memory allocated by the JVM.

Workaround:

None.

1.4.8 Stop Locate Does Not Stop the Blinking LED (Bug 78560)

The **Stop Locate** option for a system in the Management Console does not stop the HP 3PAR StoreServ Storage system's LED from blinking.

Workaround:

Use the **Locate System** option in the Management Console with a duration of 1 second.

1.4.9 Minimally Disruptive Migration with Hosts with Maximum Length Names Does Not Re-export (Bug 81002)

If you use minimally disruptive migration with a host that has a name at the maximum supported length (31 characters), Peer Motion will fail to export the volumes at the destination.

Workarounds:

- Shorten the host name until after the migration.
- Manually export the migrated volumes at the destination after import.

1.4.10 AO Schedules Are Not Editable or Removable (Bug 81102)

After you schedule an Adaptive Optimization (AO) configuration, the Management Console functions as if this AO schedule were a System Task schedule and therefore does not enable you to edit or remove it.

Workaround:

Use CLI commands to edit or remove an existing AO schedule.

1.4.11 The Default AO Configuration Requires More than One Device Type (Bug 80297)

You can only create the default AO configuration if your storage system uses two or more device types. If your storage system uses only one type of device (e.g., FC drives only), the default AO configuration fails to create.

Workaround:

To create the default AO configuration, ensure your storage system uses at least two device types.

1.4.12 iSCSI Virtual Ports for iSCSI Not Yet Supported

The Management Console displays **Partner** and **Partner WWN/IP** columns, but these columns do not yet display data for iSCSI virtual ports. Providing iSCSI virtual port support will be addressed in a future release.

Workaround:

None.

1.4.13 Step and set size do not reset when CPG RAID type is changed (Bug 78696)

When using the HP 3PAR Management Console 4.3.0 to change the RAID type on a CPG, the step size will not reset to the default size value for the chosen RAID type. Additionally, the RAID 5 set size defaults to 2 data + 1 parity instead of 3 data + 1 parity, and the RAID 6 set size defaults to 4 + 2 instead of 6 + 2.

Workaround:

The **step size** for CPGs must be manually set to the proper value for the RAID type chosen.

1. To display the step size, select the **Show advanced options** checkbox at the bottom of the General settings page of the Create CPG screen.
2. Enter the correct value for the step size. See the *HP 3PAR Management Console User Guide* for appropriate values.

To maintain consistency with the set size of existing RAID 5 and RAID 6 CPGs, reset the **set size** manually.

1. Select the **Show advanced options** checkbox at the bottom of the General settings page of the Create CPG screen.
2. Change the set size to the desired value.

1.4.14 HP 3PAR Management Console does not set the permanent license on a new 7000 storage system (Bug 82671)

The HP 3PAR StoreServ 7000 is shipped with a temporary license for 8 disks. When you attempt to use the HP 3PAR Management Console to set the permanent license, which includes the correct number of disks, the process will not succeed.

Workaround:

Use the Command Line Interface (setlicense) to set the license.