P4000 Series Windows Solution Pack release notes

Contents

1 HP LeftHand P4000 Windows Solution Pack release notes

Version

- HP LeftHand P4000 Windows Solution Pack version 8.1.0.63
- HP LeftHand P4000 VSS Provider version 8.1.0.227
- HP LeftHand P4000 DSM for MPIO version 8.1.0.80

Updated software components in this release

This September 2009 8.1 release contains functionality to enable application-managed snapshots. To use application-managed snapshots, you must be running SAN/iQ software version 8.x and upgrade to the following software.

- HP LeftHand Centralized Management Console version 8.1.00.0197
- SAN/iQ Command Line Interface (Cliq) version 8.1.0.327
- Solution Pack version 8.1.0.63
  VSS Provider version 8.1.0.227

The DSM for MPIO is updated to support the Windows Server 2008 R2 release.

- DSM for MPIO version 8.1.0.80

Description

These release notes provide instructions for upgrading your software, and information about what has been fixed in this release. These release notes are current as of the published date.

Supersedes

- Solution Pack version 8.1.0.56
- VSS Provider version 8.1.0.54
- DSM for MPIO version 8.1.0.66

Who should upgrade

- Customers using Solution Pack version 7.0 should upgrade if upgrading to SAN/iQ software release 8.x.
- Customers who want to use the new application-managed snapshot functionality should upgrade if they are currently using Solution Pack version 8.1.0.56.
- Customers using Windows Server 2008 R2 should upgrade to the new DSM for MPIO.

Enhancements

Fixes

- 11007 — Fixed a problem where VSS failed to delete some snapshots

Check compatibility updates

For a complete list of supported SAN/iQ software releases and application software compatibility, refer to the HP LeftHand P4000 SANs compatibility matrix (White Paper/4AA2-5654ENW.pdf).

HP LeftHand P4000 DSM for MPIO and Windows Server 2008

The HP LeftHand P4000 DSM for MPIO that supports Windows Server 2008 is available with separate installers for both 32- and 64-bit Windows Server 2008 and Windows Server 2008 R2.

Prerequisites

- 32-bit or 64-bit version of Windows Server 2003
- VSS Provider - Windows Server 2003
- Windows Server 2008, all versions
- DSM for MPIO - Windows Server 2003, SP1

If installing HP LeftHand P4000 DSM for MPIO into an existing Microsoft Cluster, use the following steps.

1. First move all the resources from the node to be upgraded to another cluster node.
2. Pause the node on which you plan to install HP LeftHand P4000 DSM for MPIO, then proceed with the installation on that node only.
3. The upgraded node will reboot, after which you can move the resources back.
4. Repeat steps 1 through 3 for each node.

- Microsoft iSCSI Software Initiator - Recommended: Version 2.08 (or greater)

NOTE:

This has changed for 7.0 forward: When installing the Microsoft iSCSI Software Initiator version 2.08 (or greater), you must now install the Microsoft DSM if it is not present. The HP LeftHand P4000 DSM for MPIO installer detects if the Microsoft DSM is missing and a message opens with instructions for installing the MS DSM.

NOTE:

Important note about upgrading to version 2.08 (or greater) of the Microsoft iSCSI Software Initiator

If the DSM for MPIO is present on the system, you must use the following procedure to ensure a successful upgrade.

1. Disconnect all volumes and iSCSI sessions before upgrading the Microsoft iSCSI Initiator.
2. After completing the upgrade, reconnect the volumes and reestablish the sessions.

Failure to follow this procedure can result in a loss of volume connectivity and the initiator installation can stop responding. In this case, the installer cancel button does not work. Instead, you must use the Task Manager to end the process for the initiator installer. Applications are likely to time out in this scenario.

Once you have ended the installer process in the Task Manager, you can log into disconnected volumes manually.

Installation/upgrade instructions

Please read the Upgrade Guide for instructions about installing release 8.1.

You can find more information about the HP LeftHand products from the Manuals page of the HP Business Support Center website:

http://www.hp.com/support/manuals

In the Storage section, navigate to **Disk Storage Systems > LeftHand P4000 SAN Solutions** and then select your product.

If you are upgrading to SAN/iQ software release 8.1.x, and you are currently using any component of the HP LeftHand P4000 Windows Solution Pack, the upgrade sequence differs slightly from the upgrade sequence for upgrading the SAN/iQ software and the Centralized Management Console (CMC) only.

For detailed instructions about upgrading the SAN/iQ software and the CMC, see the release notes and the Upgrade Guide for version 8.1.

If you are running a previous version of the DSM for MPIO, the installer prompts you to first uninstall that version before installing the current version.

Upgrading when using the HP LeftHand P4000 Windows Solution Pack

Upgrade the software components in the following order:

1. HP LeftHand Centralized Management Console
2. HP LeftHand P4000 DSM for MPIO
3. SAN/iQ software (Note: for detailed instructions about upgrading the SAN/iQ software, see the see the release notes and the Upgrade Guide for version 8.1.)
4. HP LeftHand P4000 VSS Provider

HP LeftHand P4000 Windows Solution Pack compatibility with SAN/iQ software

If you upgrade your SAN/iQ software from version 8.0, upgrading to the Solution Pack version 8.1 is optional. However, version 8.1 provides support for application-managed snapshots, and the DSM for MPIO software upgrade supports Windows Server 2008 R2.

Also, the HP LeftHand P4000 Windows Solution Pack is not backwards compatible. If you upgrade to SAN/iQ software version 8.1 from version 7.x, you must use the Solution Pack version 8.1. During the upgrade, the Solution Pack components may temporarily stop functioning until both the Solution Pack and the SAN/iQ software are at version 8.1.

Installing HP LeftHand P4000 Windows Solution Pack

1. Ensure that you have Administrator privileges before beginning installation.
2. Insert the Solution Pack CD in your CD drive. The installation wizard opens
3. Click Install.
4. The menu of Solution Pack components opens.
5. Click the Solution Pack component you want to install.
   The installation wizard takes you through the installation process for the selected component.

Installing the VSS Provider

1. After the VSS Provider is installed, a reminder window opens.
   This reminder states that you must open the Authentication Console to configure user names and passwords for management groups.
2. Click Next to continue.
3. Click Finish on the final window to complete the wizard.
4. Click Menu on the installer window.
   The Solution Pack installer main window opens.
5. Click Exit to close the installer.

Installing the HP LeftHand P4000 DSM for MPIO

During installation you will see instructions regarding any configuration or installation issues. Potential issues are listed at the beginning of these instructions in the Prerequisites and Upgrading sections.

A reboot of the server is required to complete the installation.

HP Technical support

For worldwide technical support information, see the HP support website:

http://www.hp.com/support

Before contacting HP, collect the following information:

- Product model names and numbers
- Technical support registration number (if applicable)
- Product serial numbers
- Error messages
- Operating system type and revision level
- Detailed questions