

HP ProLiant

Storage Server Service Release 6.6 release notes

These release notes provide information and describe issues related to the release of Service Release 6.6 for HP ProLiant Storage Servers, HP ProLiant Data Protection Storage Servers and HP StorageWorks NAS Products.

VERSION: 6.6

Version information can be obtained:

- In the HP ProLiant Storage Server Management console by selecting **System Settings** and viewing **System Information**.
- In the HP ProLiant Storage Server Web UI by selecting the Status tab, then System Information tab.

Description

These release notes provide information about the contents of Service Release 6.6 and describe issues related to the release of Service Release 6.6 for HP ProLiant Storage Servers, HP ProLiant Data Protection Storage Servers, and HP StorageWorks NAS products using the supported operating systems. The Service Release provides an installation utility and a rollup of individual support update components for your system. Applying this Service Release will update your HP ProLiant Storage System to version 6.6.

NOTE:

Use the Service Release 6.6 setup program to install the Service Release.

Update recommendation Recommended

Prerequisites

Microsoft Windows Server 2003 Service Pack 2 is required before installing the Service Release.

- For Web downloads, Microsoft Windows Server 2003 Service Pack 2 should be obtained separately from Microsoft; it is not included in the Service Release contents downloaded from the HP.com (Software & Drivers) site.
- Microsoft Windows Server 2003 Service Pack 2 is included as a separate installable component located in the D:\MICROSOFT\W2K3_SP2 folder on the Service Release DVD.

IMPORTANT:

For systems using Windows Storage Server 2003 without Windows Server 2003 SP1 installed, the Service Release setup must be run first prior to installing Windows Server 2003 SP2. A required HP Storage Server system update will be installed allowing Windows Server 2003 SP2 to be installed successfully.

If needed, the HP Storage Server Installer for Microsoft Windows Server 2003 SP2 in the Service Release will guide you through the installation of Microsoft Windows Server 2003 SP2. The following software components are required on HP Storage Server for installation of Microsoft Windows Server 2003 SP2:

- HP Storage Server System Update
- Microsoft Windows Installer 3.1
- Microsoft .NET Framework 2.0

For more information on this service pack, including the release notes, readme, installation instructions, list of updates, and list of security updates, see the Microsoft Windows Server 2003 Service Pack 2 Web site at <http://www.microsoft.com/technet/windowsserver/sp2.mspx>.

Service Release 5.6 is required before installing this Service Release for systems running Microsoft Windows Storage Server 2003 (without Windows Storage Server 2003 R2) for HP NAS Web User Interface (Web UI) updates. This prerequisite applies only to:

- Systems with no previous Service Release installed or systems with Service Release 5.5 or earlier installed
- Systems that have been Quick Restored to the base image version (version 5.5 or earlier)

The HP Service Release 5.6 DVD can be ordered from the following location: <http://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=366133-006>.

**NOTE:**

Service Release 5.6 does not apply to HP ProLiant Storage Servers running Microsoft Windows Storage Server 2003 R2.

Microsoft iSCSI Software Target 3.1 is an update only for HP ProLiant Storage Servers with Microsoft iSCSI Software Target 3.0 installed.

Microsoft Windows Unified Data Storage Server 2003 Supplemental Update applies to HP ProLiant Storage Servers running Microsoft Windows Unified Data Storage Server 2003 x64 Enterprise Edition.

Product models

These release notes apply to the storage servers listed in the following table.

Table 1 Storage servers covered by Service Release 6.6

Product series	Product model
HP ProLiant Storage Server	<ul style="list-style-type: none"> • DL100 Storage Server • DL100 G2 Storage Server • DL100 G2 File Print Appliance • DL320s Storage Server • DL380 G3 Storage Server • DL380 G4 Storage Server • DL380 G5 Storage Server • DL380 G5 x64 SAN Storage Server • DL580 G2 Storage Server • DL585 Storage Server • DL585 G2 Storage Server • ML110 Storage Server • ML110 G2 Storage Server • ML310 G3 Storage Server • ML310 G4 Storage Server • ML350 G4 Storage Server • ML350 G4p Storage Server • ML350 G5 Storage Server • ML370 G4 Storage Server
HP ProLiant Data Protection Storage Server	<ul style="list-style-type: none"> • DL100 G2 Data Protection Storage Server • DL380 G4 Data Protection Storage Server • DL380 G5 Data Protection Storage Server • ML310 G3 Data Protection Storage Server
HP StorageWorks NAS	<ul style="list-style-type: none"> • StorageWorks NAS 500s • StorageWorks NAS 1200s • StorageWorks NAS 1500s • StorageWorks NAS 2000s • StorageWorks NAS 4000s • StorageWorks NAS 9000s

Operating systems

Microsoft Windows Storage Server 2003

Microsoft Windows Storage Server 2003 R2

Languages

The Service Release is available in the following languages:

- French
- Italian
- German
- Japanese
- Korean
- Simplified Chinese
- Spanish
- Traditional Chinese

Issues and workarounds

Issues and their workarounds have been identified and placed into categories. These categories are:

- [General installation issues](#)
- [Installation issues on systems using Windows Storage Server 2003](#)
- [HP Service Release Wizard](#)

General installation issues

This section details general issues with the installation of Service Release 6.6 or use of Service Release Installation Wizard.

Issue: Minimum disk space requirement for Service Release 6.6 installation	
Description	The HP ProLiant Storage Server should have at least 1 GB of available space on the system drive when installing the Service Release. The specific amount of disk space required depends on the components that are selected for installation.
Workaround	There is no workaround, other than ensuring that the system drive where the Service Release setup is installed has more than 1 GB of available disk space. To free up disk space, unnecessary files can be deleted from the C:\temp folder. This situation can also be avoided by ensuring that only the necessary components are selected for installation when the Service Release setup is run.
Issue: Free hard disk space requirements for Windows Server 2003 Service Pack 2 (SP2)	
Description	A minimum of 1.3GB of free hard disk space is required on your system when installing Windows Server 2003 SP2 from the Service Release DVD. For more information about hard disk free space requirements for Windows Server 2003 SP2, see Microsoft Knowledge Base article KB926029 at http://support.microsoft.com/kb/926029/ .
Workaround	Not applicable.
Issue: Intel NIC driver installation fails when installed over a network share	
Description	The installation of the Intel network interface card driver fails when attempted over a network share.
Workaround	Perform the installation directly from the Service Release DVD or by copying the DVD contents to a local drive on the storage server.

Issue:	Install Shield Error 1607/1628 during Service Release installation
Description	Installation error 1607: Unable to install Install Shield Scripting Runtime and/or 1628: failed to complete installation may be reported during installation of the Service Release. This error can occur for various reasons, the most prevalent being a driver did not exit properly when the Service Release is run the first time. This issue is currently under investigation.
Workaround	Run the Service Release again after ensuring that no instances of the processes named <code>msiexec.exe</code> , <code>setup.exe</code> , or <code>idriver.exe</code> are running.
Issue:	User intervention required during installation of SMS v2.02 on HP ProLiant DL100 G2 servers with the IMB v3.0 driver
Description	During installation of the Server Management System v2.02 on DL100 G2 servers, the IMB v3.0 driver sometimes displays a security warning stating the driver does not have digital signature.
Workaround	Accepting the warning message by clicking Continue proceeds with the installation without any issues.
Issue:	Some information in the Service Release may appear as English instead of the selected language
Description	During installation of the Service Release, some screens may display text as English instead of the selected language.
Workaround	This issue will be corrected in the next Service Release.
Issue:	For HP StorageWorks NAS servers and HP ProLiant Storage Servers with mirrored OS drives (such as the ML110 G2 Express model), the OS drive re-mirroring fix offered in previous Service Releases has been removed
Description	The OS drive re-mirroring fix, which ensures that both disks are bootable in the event of a failure of a drive, has been removed in order to preclude a condition where the ML110 G2 Express Storage Server (Japanese model) fails to boot from mirrored OS drives.
Workaround	To update the Service Release 6.6 patch for these servers, manually switch to the mirrored OS and perform the Service Release installation.
Issue:	The HP Storage Server Management console may not be available after installing the Service Release
Description	The HP Storage Server Management console may not be available after installing the Service Release for some HP ProLiant Storage Servers with the HP Storage Server R2 Localization DVD — Windows Multilingual User Interface (MUI) Pack installed.
Workaround	Using Windows Add or Remove Programs , remove the HP Storage Server Management Service. Run the Service Release installation again and install the HP Storage Server Management console component.
Issue:	Web UI 5.6.2 is not installed with Service Release 6.6
Description	On StorageWorks NAS products, the Web UI 5.6.2 patch is not installed with Service Release 6.6.
Workaround	The Web UI 5.6.2 patch is copied to the <code>C:\hpnas\components\WE-BUI_5.6.2_Update</code> folder. If not installed by using the HP Service Release 6.6 Wizard, the patch must be installed manually.

Issue:	Providing a mapped drive with a disconnected network path might hang the HP Service release Wizard
Description	If you provide a mapped drive assigned to a network path that is disconnected from the Settings page of the HP Service Release Wizard, it might hang during the installation process.
Workaround	<ul style="list-style-type: none"> • Provide the complete network path URL as the path. or • Reconnect the network path for the mapped drive in Windows Explorer.
Issue:	A reboot message is displayed even though the progress of installation is not complete
Description	After the installation of Windows Server 2003 Service Pack 2, a reboot message is prompted by the HP Service Release Wizard. However, the progress bar shows only around 50% completion.
Workaround	This error message can be ignored.

Installation issues on systems using Windows Storage Server 2003



NOTE:

The following installation issues apply only to systems running Windows Server 2003 that have not yet had Windows Server 2003 R2 installed.

Issue:	Microsoft hotfix KB894537 cannot be installed on servers with Services for Unix v3.5
Description	Microsoft hotfix KB894537 cannot be installed on servers with SFU v3.5.
Workaround	Microsoft hotfixes KB895398 and Q870078 are prerequisites and should be selected and installed while KB894537 is installed. These hotfixes are listed in the Service Release 6.6 Microsoft hotfix feature tree.
Issue:	The storage server fails to reboot when KB840141 and Remote Storage Windows components are both installed
Description	The storage server fails to reboot when Microsoft hotfix KB840141 and Remote Storage Windows components are both installed on the system.
Workaround	Ensure that hotfix KB896718 (KB840141 is bundled as part of KB896718) is not selected for installation during the Service Release setup if the Remote Windows component is already installed on the storage server. If hotfix KB840141 is already installed on the storage server, do not add the Remote Storage Windows component to the system through the Microsoft Add or Remove Programs applet.

HP Service Release Wizard

Issue:	HP Service Release Client and Server fails to repair itself
Description	The repair option does not complete at times for the HP Service Release Client or the HP Service Release Server.
Workaround	<ol style="list-style-type: none"> 1. Uninstall the HP Service Release Server/Client. 2. Run the HP Service Release setup.exe.

Issue:	HP NAS Updater installed in previous Service Releases cannot be used to install Service Release 6.6
Description	The HP NAS Updater installed with previous Service Releases cannot be used to launch Service Release 6.6. Attempting to install Service Release 6.6 with the older utility might result in the error message Version of NAS Updater on this system does not support installation. Please install latest version of NAS Updater.
Workaround	Install the HP Service Release Wizard bundled with Service Release 6.6 by running the <code>setup.exe</code> file located at the root level of the Service Release.
Issue:	Some ROM Flash components not checked for installation by Service Release Wizard
Description	<p>Some ROM Flash components are not checked for installation in the Component Updates Selection screen of the Service Release Wizard. A check indicates the Service Release has a more recent version of the component compared to the installed version on the system.</p> <p>The issue applies to the following ROM Flash components:</p> <ul style="list-style-type: none"> • DL100 G2 BIOS Update • HP NC-Series Broadcom Online Firmware Upgrade Utility for Windows Server 2003 • HP NC-Series Broadcom Online Firmware Upgrade Utility for Windows Server 2003 x64 Editions • HP BladeSystem c-Class Onboard Administrator Firmware Component • ROM Flash for iLO • ROM Flash for iLO (Japanese) • ROM Flash for iLO2 • ROM Flash for iLO2(Japanese) • ROM Flash Component for Windows - Smart Array P400 and P400i • ROM Flash Component for Windows - Smart Array P600 • ROM Flash Component for Windows - Smart Array P800 • ROM Flash for Smart Array 641/642 • ROM Flash for Smart Array 6400 • ROM Flash for Windows - MSA20 • HP 6-port SATA RAID Controller Firmware Update (Note: files are extracted to C:\SP30558) • Firmware and BIOS for HP SATA HBA with RAID (Note: files are extracted to C:\SP34281)
Workaround	<p>When a check is supplied by the user for applicable ROM Flash components listed above, the Service Release Wizard will install the ROM Flash component supplied with the Service Release. The underlying ROM Flash component installer determines whether the installed version of the component will be updated or not. Refer to the <code>cpqsetup.log</code> located at <code>C:\CPQSYSTEM\log</code> to verify the installation status of the ROM Flash component.</p> <p>NOTE:</p> <p>Some ROM Flash components may not be applicable to your system.</p>
Issue:	Network drive letter path does not work with the Service Release Wizard
Description	The HP Service Release wizard can show an error indicating failure in locating components when a network share is mapped to a drive letter.
Workaround	Provide the complete network UNC path of the HP Service Release component.
Issue:	HP Service Release Wizard does not automatically start after installing the prerequisites

Description	After installing the prerequisite components of HP Service Release 6.6, the wizard will prompt for a restart. After the restart, the wizard might not start automatically.
Workaround	Start the wizard manually by selecting the HP Service Release Wizard on the desktop. Alternately, the wizard can be started through Start > Program > HP Service Release > HP Service Release Wizard . This problem will be corrected in the next release.
Issue:	HP Service Release setup does not automatically launch the HP Service Release Wizard on x64 platforms.
Description	After the installation of Service Release, the wizard is not launched automatically.
Workaround	Launch the wizard manually by selecting the HP Service Release Wizard on the desktop. Alternately, the wizard can be launched through Start > Program > HP Service Release > HP Service Release Wizard . This problem will be corrected in the next release.
Issue:	Selecting a network path for Windows Server 2003 Service Pack 2 is not accepted
Description	When installing the HP Service Release using the Web update version, a Browse button appears on the Prerequisite page if Microsoft Windows Server 2003 Service Pack 2 is not installed on the system. If you select a network path for the Service Pack 2 location, the wizard will not accept it.
Workaround	Copy the Microsoft Windows Server 2003 Service Pack 2 installer on the system locally, and provide the local path for selection.
Issue:	The HP Service Release Wizard hangs
Description	The HP Service Release Wizard might appear to hang while downloading Service Release components from a network path.
Workaround	The wizard refreshes itself automatically. The refresh occurs every few seconds, and in certain instances can extend to two minutes. If the hanging issue persists, restart the system. This will be corrected in the next release.
Issue:	Text in the HP Service Release Wizard is not displayed in the local language
Description	Component names and descriptions in the HP Service Release Wizard are not displayed in the local language.
Workaround	<ol style="list-style-type: none"> 1. Click Start > Control Panel. 2. Double-click Regional and Language Options. 3. Click the Advanced tab. 4. Select the local language from the list. 5. Check the Apply all settings to the current user account and to the default user profile check box. 6. Click OK.

Enhancements

Service Release 6.6 provides the following enhancements and updates for storage servers:

- [HP ProLiant Smart Component Updates x86 Editions](#)
- [HP ProLiant Smart Component Updates x64 Editions](#)
- [ROM Flash, Firmware, and BIOS Updates](#)
- [System Drivers and Components](#)

- [Java Runtime Environment Update, version 1.6.0 Update 2](#)
- [HP Service Release Wizard](#)



NOTE:

Some of the following enhancements and updates may not apply to your storage server.

HP ProLiant Smart Component Updates x86 Editions

The ProLiant Smart Component updates are from the ProLiant Support Pack for Microsoft Windows Server 2003 x86 Editions, version 7.90.

- CP007671: HP System Management Homepage for Windows
- CP007541: HP ProLiant iLO Advanced and Enhanced System Management Controller Driver for Windows 2000/Server 2003
- CP007692: HP ProLiant iLO 2 Management Controller Driver for Windows 2000/Windows Server 2003
- CP007522: AMD Chipset Support for ProLiant Servers for Windows 2000/Windows Server 2003
- CP007357: Intel Chipset Support for ProLiant Servers for Windows 2000/Server 2003
- CP007770: HP ProLiant 64-Bit/133-MHz Single/Dual Channel Ultra320 SCSI HBA and SCxxXe series SCSI HBA Driver for Windows Server 2003
- CP007703: HP ProLiant Smart Array SAS/SATA Controller Driver for Windows Server 2003
- CP007527: HP 6-Port SATA RAID Controller Driver for Windows 2000/Windows Server 2003
- CP007955: HP ProLiant Smart Array 5x and 6x Controller Driver for Windows 2000/Server 2003
- CP007958: HP ProLiant Smart Array Device Manager Extension for Windows 2000/Server 2003
- CP005783: HP ProLiant Integrated Ultra ATA-100 Dual Channel Driver for Windows 2000/Server 2003
- CP006269: HP ProLiant CSB-6 ATA-100 IDE RAID Driver for Windows 2000/Server 2003
- CP007169: HP StorageWorks Fibre Channel Adapter Kit for the x86 Emulex Storport Driver
- CP007523: HP ProLiant Storage System Driver for Windows 2000/Server 2003
- CP007503: HP StorageWorks Fibre Channel Adapter Kit for the x86 QLogic Storport Driver
- CP007543: HP StorageWorks Fibre Channel Array Notification Driver for Windows 2000/Server 2003
- CP007776: HP ProLiant Remote Monitor Service for Windows
- CP007533: HP ProLiant PCI Hot Plug Controller Driver for Windows 2000/Server 2003
- CP007922: HP ProLiant Integrated Lights-Out Management Interface Driver for Windows 2000/Server 2003
- CP007525: HP ProLiant Remote Insight Lights-Out II Board Driver for Windows 2000/Server 2003
- CP007744: HP ProLiant Integrated Management Log Viewer for Windows
- CP007578: HP ProLiant Array Configuration Utility for Windows
- CP007433: HP ProLiant Array Diagnostics Utility for Windows
- CP007432: HP ProLiant Array Configuration Utility (CLI) for Windows
- CP007714: HP NC-Series Intel Driver for Windows Server 2003
- CP007665: HP NC-Series Broadcom Driver for Windows Server 2003
- CP007625: HP Network Configuration Utility for Windows Server 2003
- CP007755: HP Version Control Agent for Windows
- CP007669: HP Insight Management Agents for Windows 2000/Windows Server 2003
- CP008049: HP Lights-Out Online Configuration Utility for Windows 2000/Server 2003
- CP007668: HP Insight Diagnostics Online Edition for Windows 2000/Windows Server 2003
- CP007668: HP High Precision Event Timer NULL INF for Windows 2000/ Windows Server 2003

- CP007524: HP ProLiant Remote Insight Board Driver for Windows
- CP007600: HP NC31xx Fast Ethernet NIC Driver for Windows Server 2003
- CP007444: HP ProLiant ATI RAGE XL Video Controller Driver for Windows Server 2003
- CP007660: HP NC-Series Intel N1E Driver for Windows Server 2003
- CP007459: ATI ES1000 Video Controller Driver for Windows Server 2003
- CP007924: HP ProLiant Smart Array SAS/SATA Event Notification Service for Windows Server 2003
- CP007339: High Precision Event Timer Support for ProLiant Servers for Windows Server 2003
- CP007204: HP Virus Throttle for Windows Server 2003
- CP007529: HP NULL IPMI Controller Driver for Windows 2000/Windows Server 2003
- CP007530: HP ProLiant IPMI Provider
- CP007676: HP NC-Series Multifunction Driver for Windows Server 2003
- CP008024: PCI-express Power Management Update

HP ProLiant Smart Component Updates x64 Editions

The ProLiant Smart Component updates are from the ProLiant Support Pack for Microsoft Windows Server 2003 x64 Editions, version 7.90.

- CP007626: HP Network Configuration Utility for Windows Server 2003 x64 Editions
- CP007677: HP NC-Series Multifunction Driver for Windows Server 2003 x64 Editions
- CP007715: HP NC-Series Intel Driver for Windows Server 2003 x64 Editions
- CP007661: HP NC-Series Intel N1E Driver for Windows Server 2003 x64 Editions
- CP007555: HP NULL IPMI Controller Driver for Windows Server 2003 x64 Editions
- CP008046: HP ProLiant 64-Bit/133-MHz Single/Dual Channel Ultra320 SCSI HBA and SCxxXe series SCSI HBA Driver for Windows Server 2003 x64 Editions
- CP007670: HP Insight Management Agents for Windows Server 2003 x64 Editions
- CP007925: HP ProLiant Smart Array SAS/SATA Event Notification Service for Windows Server 2003 x64 Editions
- CP007704: HP ProLiant Smart Array SAS/SATA Controller Driver for Windows Server 2003 x64 Edition
- CP007667: HP Insight Diagnostics Online Edition for Windows Server 2003 x64 Editions
- CP007957: HP ProLiant Smart Array Device Manager Extension for Windows Server 2003 x64 Editions
- CP007573: HP StorageWorks Fibre Channel Array Notification Driver for Windows Server 2003 x64 Editions
- CP008050: HP Lights-Out Online Configuration Utility for Windows 2003 x64 Editions
- CP007205: HP Virus Throttle for Windows Server 2003 x64 Editions
- CP007460: ATI ES1000 Video Controller Driver for Windows Server 2003 x64 Edition
- CP007915: HP 4/8 Internal Port SAS HBA with RAID and SCxxGe series HBA Driver for Windows Server 2003 x64 Editions
- CP007666: HP NC-Series Broadcom Driver for Windows Server 2003 x64 Editions
- CP007557: HP ProLiant iLO Advanced and Enhanced System Management Controller Driver for Windows Server 2003 x64 Editions
- CP007693: HP ProLiant iLO 2 Management Controller Driver x64 Editions
- CP007554: AMD Chipset Support for ProLiant Servers x64 Editions
- CP007969: HP ProLiant Smart Array 5x and 6x Controller Driver for Windows Server 2003 x64 Editions
- CP007565: HP ProLiant Storage System Driver for Windows Server 2003 x64 Editions
- CP007170: HP StorageWorks Fibre Channel Adapter Kit for the x64 Emulex Storport Driver
- CP007504 HP StorageWorks Fibre Channel Adapter Kit for the x64 QLogic Storport Driver

- CP007671: HP System Management Homepage for Windows
- CP007776: HP ProLiant Remote Monitor Service for Windows
- CP007744: HP ProLiant Integrated Management Log Viewer for Windows
- CP007578: HP ProLiant Array Configuration Utility for Windows
- CP007433: HP ProLiant Array Diagnostics Utility for Windows
- CP007432: HP ProLiant Array Configuration Utility (CLI) for Windows
- CP007755: HP Version Control Agent for Windows
- CP007530: HP ProLiant IPMI Provider
- CP008024: PCI-express Power Management Update

ROM Flash, Firmware, and BIOS Updates

The ROM Flash updates to the System BIOS, storage controller, and NIC firmware are from the ProLiant Firmware Maintenance CD version 7.90.

- CP007640: Online ROM Flash Component For Windows - HP ProLiant ML310 G3 (W02)
- CP007701: Online ROM Flash Component for Windows - HP ProLiant ML310 G4 (W03)
- CP006539: Online ROM Flash Component for Windows - HP ProLiant ML350 G4 (D17)
- CP006542: Online ROM Flash Component for Windows - HP ProLiant ML350 G4p (D19)
- CP007788: Online ROM Flash Component for Windows - HP ProLiant ML350 G5 (D21) Servers
- CP006536: Online ROM Flash Component for Windows - HP ProLiant ML370 G4 (P50)
- CP007709: Online ROM Flash Component for Windows - HP ProLiant DL320s (W04) Servers
- CP005041: Online ROM Flash Component for Windows - HP ProLiant DL380 G3 (P29)
- CP006825: Online ROM Flash Component for Windows - HP ProLiant DL380 G4 (P51)
- CP007774: Online ROM Flash Component for Windows - HP ProLiant DL380 G5 (P56)
- CP005039: Online ROM Flash Component For Windows - HP ProLiant DL580 G2 (P27)
- CP007674: Online ROM Flash Component for Windows - HP ProLiant DL585 (A01) Servers
- CP007685: Online ROM Flash Component for Windows - HP ProLiant DL585 G2 (A07)
- CP007846: HP NC-Series Broadcom Online Firmware Upgrade Utility for Windows Server 2003
- CP007847: HP NC-Series Broadcom Online Firmware Upgrade Utility for Windows Server 2003 x64 Editions
- CP007916: Online ROM Flash Component for Windows - HP Integrated Lights-Out
- CP007828: Online ROM Flash Component for Windows - HP Integrated Lights-Out (Japanese)
- CP007926: Online ROM Flash Component for Windows - HP Integrated Lights-Out 2
- CP007681: Online ROM Flash Component for Windows - HP Integrated Lights-Out2 (Japanese)
- CP007768: Online ROM Flash Component for Windows - Smart Array E200 and E200i
- CP007889: Online ROM Flash Component For Windows - Smart Array P400 and P400i
- CP006722: Online ROM Flash Component For Windows - Smart Array 5i and SA-532,
- CP007619: Online ROM Flash Component for Windows - Smart Array 6i
- CP007620: Online ROM Flash Component for Windows - Smart Array 641/642
- CP007621: Online ROM Flash Component For Windows - Smart Array 6400
- CP008082: Online ROM Flash Component for Windows - MSA20
- SP30558: HP 6-port SATA RAID Controller Firmware Update,
- CP007885: Online ROM Flash Component For Windows - Smart Array P800
- CP007070: Online ROM Flash Component for Windows - Smart Array P600
- SP34281: Firmware and BIOS for HP SATA HBA with RAID
- DL100 G2 BIOS Update version 1.10

System Drivers and Components

The System Drivers and Components includes other software, drivers and management agents for your HP ProLiant Storage Server.

- Intel NIC drivers and Intel ProSet for Windows Device Manager version 12.1
- HP Server Management System for Windows, version 2.0.2
- Broadcom NetExtreme BCM57xx NIC driver version 10.24
- Broadcom Advanced Control Suite 2 (BACS) version 8.1.51.0
- HP SATA RAID Controller Manager (HPSM) version 4.10–4590
- Adaptec SATA RAID 2410 Device Driver version 4.2.1.7372
- Adaptec Storage Manager for 2420 SATA Controller version 4.10.4813
- Adaptec Storage Manager for 2410 SATA Controller version 4.30.16038 (DL100 G1 and 1500s models only)
- Hotplug Service Update for Adaptec 2410 version 1.0.0.12a
- Hotplug Service Update for Adaptec 2420 version 1.0.0.3a

Java Runtime Environment Update, version 1.6.0 Update 2

The Java Runtime Environment is the minimum standard Java computing environment for running applications written in the Java programming language. It contains the Java virtual machine, Java core classes, and supporting files.

HP Service Release Wizard

The HP Service Release Wizard provides a simple user interface to install the Service Release. The Service Release automatically installs the HP Service Release Wizard and replaces the HP Service Release NAS Updater Utility.

NOTE:

Service Release installation adds the **HP Service Release** service for managing software updates and creates the **HPSRUser** account on the storage server. The HPSRUser account is required to use the HP Service Release Wizard. If needed, the HPSRUser account can be deleted following installation of the Service Release. If the HPSRUser account is removed and the HP Service Release Wizard is needed again, restart the HP Service Release service and run the Service Release setup program.

Fixes

- In earlier releases of HP ProLiant DL100 G2 Storage Servers using either the Adaptec SATA RAID 2410 or 2420 SA Controllers, an error message appeared in the Windows System Event log reporting that a disk in a slot was “plug out” or removed although no drives were removed. This issue is now resolved by installing the applicable Hotplug Service Update to your Adaptec Controller product (2410, 2420) installed on your system. The HotPlug Service Update is located in the **System Drivers and Components** category during installation of the Service Release.
- Consistency Check fix for HP ProLiant DL100 G1 and HP StorageWorks NAS products using the Adaptec 2410 RAID Controller. This issue is now resolved by installing the Adaptec Storage Manager version 4.30 (16038) supplied in the Service Release.

Microsoft Updates

NOTE:

Some of the following Microsoft updates may not apply to your storage server.

Microsoft Service Packs

The following Microsoft Service Packs are available with the Service Release 6.6:

- KB914961: Microsoft Windows Server 2003 Service Pack 2 (available on the Service Release DVD only)
- KB923706: Microsoft System Center Data Protection Manager 2006 Service Pack 1 (HP ProLiant Data Protection Storage Servers only)

Microsoft Component Updates

- Microsoft iSCSI Software Target 3.1
 - Support for Active/Active clustering
 - Microsoft iSCSI Software Target Multilingual User Interface
 - Support for volumes larger than 2 terabytes on a Windows Server 2003-based server cluster (requires hotfix KB919117)



NOTE:

Microsoft iSCSI Software Target documentation is located in the Service Release at MICROSOFT\x32\iSCSI\Target\Docs and MICROSOFT\x64\iSCSI\Target\Docs.

- Microsoft iSCSI Software Initiator 2.05
- Microsoft Windows Unified Data Storage Server 2003 Supplemental Update
 - Microsoft iSCSI Software Target 3.1
 - Microsoft iSCSI Software Target Multilingual User Interface
 - Enhanced management interface for initial configuration of Windows Unified Data Storage Server 2003



NOTE:

Microsoft Windows Unified Data Storage Server 2003 Supplemental Update documentation is located in the Service Release at MICROSOFT\x64\WUDSS\docs.

Microsoft Hotfixes



NOTE:

Microsoft Hotfixes are intentionally unchecked by default in the Service Release. Microsoft Hotfixes or Quick Fix Engineering (QFE) updates are only intended to correct a specific problem and should be applied only if the system is experiencing that specific problem. Review the Microsoft Knowledge Base (KB) article before applying the Hotfix. KB articles can be accessed at <http://support.microsoft.com>. If you are not severely affected by the specific problem, you should wait for the next Windows Server 2003 Service Pack which might contain the Hotfix.

- KB896718: The amount of used disk space that is displayed by a Storage Manager directory quota is less than the actual amount of disk space that is used.
- KB907648 Storage Manager may cause your computer to stop responding in Windows Storage Server 2003.
- KB831654: You cannot see a graph or a spreadsheet when you view active HTML storage reports.
- KB832250: Windows Management Instrumentation service terminates with Event ID 7031.
- KB897078: The mknod() functionality was not included in Microsoft Network File System.
- Q897078: The mknod() functionality was not included in Microsoft Network File System
- KB895398: This update merges several previous updates for Services For Unix (SFU).

- KB899522: The POSIX subsystem process, Korn shell scripts, and Interix applications can fail after you install Windows Server 2003 Service Pack 1 on a computer that is running Windows Services for UNIX 3.5.
- KB894537: Windows-based applications may not be notified of file changes when the changes are made by using Server for NFS in Windows Services for UNIX 3.5.
- KB904838: Fix for Windows Services for UNIX 3.5.
- KB910330: Modifies the formulas that DPM 2006 uses to allocate space for shadow copy storage on the DPM 2006 to solve the problem of overwriting stored shadow copies.
- KB935949: The Virtual Disk Service (VDS) in Windows Server 2003 does not return port-specific identifiers for a storage device
- KB932755: An updated Storport storage driver (version 5.2.3790.4021) is available for Windows Server 2003
- KB924979: WMI Performance Adapter process may exhaust all available CPU resources in Windows Server 2003
- KB935561: Storport may not delete zombie LUN objects when a storage adapter is surprise-removed by software in Windows Server 2003
- KB919117: Adds support for GUID partition table (GPT) volumes that are larger than 2 terabytes on a Windows Server 2003-based server cluster
- KB936529: Fixes a problem that occurs because the installation program for Windows Server 2003 Service Pack 2 incorrectly replaces the Psxss.exe file from Windows Service for UNIX 3.5

Microsoft Security Patches

The following Microsoft Components are available with Service Release 6.6:

- KB925902: Vulnerabilities in GDI Could Allow Remote Code Execution (MS07-017)
- KB932168: Vulnerability in Microsoft Agent Could Allow Remote Code Execution (MS07-020)
- KB930178: Vulnerabilities in CSRSS Could Allow Remote Code Execution (MS07-021)
- KB931784: Vulnerability in Windows Kernel Could Allow Elevation of Privilege (MS07-022)
- KB931768: Cumulative Security Update for Internet Explorer (MS07-027)
- KB935966: Vulnerability in Windows DNS RPC Interface Could Allow Remote Code Execution (MS07-029)
- KB935840: Vulnerability in the Windows Schannel Security Package Could Allow Remote Code Execution (MS07-031)
- KB933566: Cumulative Security Update for Internet Explorer (MS07-033)
- KB929123: Cumulative Security Update for Outlook Express and Windows Mail (MS07-034)
- KB935839: Vulnerability in Win32 API Could Allow Remote Code Execution (MS07-035)
- KB926122: Vulnerability in Windows Active Directory Could Allow Remote Code Execution (MS07-039)
- KB921503: Vulnerability in OLE Automation could allow remote code execution (MS07-043)
- KB924667: Vulnerability in Microsoft Foundation Classes could allow for Remote Code Execution (MS07-012)
- KB925398: Vulnerability in Windows Media Format could allow remote code execution (MS06-078)
- KB928365: Security Update for Microsoft .NET Framework, Version 2.0
- KB933854: Security update for the .NET Framework 1.1 Service Pack 1 for Windows Server 2003
- KB936357: A microcode reliability update is available that improves the reliability of systems that use Intel processors
- KB937143: Cumulative Security Update for Internet Explorer (MS07-045)
- KB936227: Vulnerability in Microsoft XML Core Services Could Allow Remote Code Execution (MS07-042)
- KB927978: Security update for Microsoft XML Core Services 4.0 (MS06-071)

- KB927891: You receive an access violation error and the system may appear to become unresponsive when you try to install an update from Windows Update or from Microsoft Update
- KB932596: Update to improve Kernel Patch Protection
- KB936782: Vulnerability in Windows Media Player could allow remote code execution
- KB938127: Vulnerability in Vector Markup Language Could Allow Remote Code Execution
- KB933360: August 2007 cumulative time zone update for Microsoft Windows operating systems

Supersedes history

6.4

Effective date

October 19th, 2007