

# HP Smart Update Firmware DVD What's New and Release Notes

## Abstract

This document discusses the Smart Update Firmware DVD new features.



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# Overview

This document discusses Smart Update Firmware DVD and HP Smart Update Manager new features and updated support. For the latest information and any updated release notes, see the HP Insight Foundation Suite website (<http://www.hp.com/go/foundation>).

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# What's New

## HP Smart Update Firmware DVD

- Added the 2011.05 Release Set for HP BladeSystem c-Class components. For a full list of components comprising the release set, see the HP website (<http://www.hp.com/go/bladesystemupdates>).

## New operating system support

Added support for the following operating system:

- Microsoft® Windows® Small Business Server 2011
- Microsoft® Windows® Small Business Server 2011 Essentials
- Windows Server® 2008 R2 SP1
- Red Hat Enterprise Linux 6
- Red Hat Enterprise Linux 5.6

## Added firmware

Added support for the following HP ProLiant Servers:

- HP ProLiant BL680c G7 Server
- HP ProLiant BL620c G7 Server
- HP ProLiant DL980 G7 Server
- HP ProLiant DL120 G7 Server
- HP ProLiant ML110 G7 Server
- HP ProLiant SL170s G6 Server
- HP ProLiant SL165s G7 Server
- HP ProLiant SL160s G6 Server

For the complete list of firmware on the DVD, see the *FW Server Support Guide* on the DVD.

## Removed firmware

Removed the following firmware:

- Online ROM Flash Component for Windows and Linux - HP Remote Insight Lights-Out Edition II
- Online ROM Flash Component for Windows and Linux - HP Integrated Lights-Out
- Firmware CD Supplemental Update / Online ROM Flash Component for Windows and Linux - Smart Array 6400

- Firmware CD Supplemental Update / Online ROM Flash Component for Windows and Linux - Smart Array 641/642
- Firmware CD Supplemental Update / Online ROM Flash Component for Windows and Linux - Smart Array 5i and SA-532
- Firmware CD Supplemental Update / Online ROM Flash Component for Windows and Linux - Smart Array 6i

## Baselined server support

There were no servers in this release that were baselined in the Smart Update Firmware DVD 9.30. Baselined firmware will still be available for download on the HP website (<http://www.hp.com>).

## HP Smart Update Manager updates

New features for Smart Update Manager in this release:

- Added support for Red Hat Enterprise Linux 6.
- Added support for downloading Linux RPMs from the HP ftp site.

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# Release Notes

## Advisories

- The HP Smart Update Firmware DVD requires a minimum of 1 GB of system memory.
- `compat` (for x32 installations), `compat-32bit RPM`, or a compatible library that provides the file `/usr/lib/libstdc++-libc6.2-2.so.3`, must be installed on an x86 or x64 system. The system must be configured as a local or remote target and be running a SUSE Enterprise Linux 11 (SLES11) OS. Without the library, HPSUM discovery is incomplete and the message "Discovery Failed" appears. The SLES11 media does not include the library. With a valid Novell subscription, the `compat RPM` (for x32 installations) or `compat-32bit RPM` can be downloaded from the Novell support site or by using `yast2`, and then installed using the system updates from Novell.
- Red Hat Enterprise Linux 5 automounts the HP Smart Update Firmware DVD with the `noexec` property set. The `noexec` property does not automatically launch HP Smart Update Firmware Autorun. To start Autorun, unmount the Smart Update Firmware DVD, and then remount it manually without the `noexec` property set.

For more information on customer advisories, see the "Important Notes" section on the HP Smart Update Firmware DVD download page on the HP website (<http://www.hp.com>).

## HP Smart Update Manager

HP Smart Update Manager can deploy firmware in either Offline or Online modes on Microsoft® Windows® and Linux systems.

## General topics

- HP Smart Update Manager is available in English and Japanese only.
- When running HP Smart Update Manager on any Microsoft® Windows® operating system, enable WMI before starting HP Smart Update Manager. If WMI is not enabled, discovery fails.
- The Add Supplemental feature was removed in HP Smart Update Manager version 4.0.0.
- When using Offline mode and the Add Supplemental feature with firmware on diskettes, HP Smart Update Manager version 3.7.0 or earlier updates one firmware component at a time. If you want to update more than one firmware component (each on separate diskettes) using the Add Supplemental feature, deploy them one at a time. If they are not deployed individually, an internal error message occurs.
- The NIC firmware components cannot be deployed using the Add Supplemental feature in HP Smart Update Manager version 3.7.0 or earlier. To add new versions of the NIC firmware, put the Firmware Maintenance CD version 8.7.0 or earlier on a USB key and put the desired component in the `/compaq/swpackages` directory.

- If you are running HP Smart Update Manager under a supported Linux operating system, and the HP Smart Update Manager buttons and fonts do not appear correctly, you may need to change the display settings, the X11 configuration, or both to get the user interface to appear properly.
- With the integration of concurrent HP ProLiant Support Packs (PSPs) and HP ProLiant firmware components, legacy pass-through applications for the HP Remote Deployment Utility (RDU) have been added to HP Smart Update Manager. The legacy applications have the old RDU names (setup.exe, setupc.exe and setupex.exe), but actually map existing RDU command-line parameters to the new HP Smart Update Manager interface and map HP Smart Update Manager return codes to those generated by the legacy RDU applications. These legacy RDU interfaces are provided for backwards compatibility with user scripts written to deploy or use RDU. Future features and enhancements will only be added to the HP Smart Update Manager interface.
- HP Smart Update Manager can only flash firmware on hard drives that are attached to Smart Array controllers and certain QLogic and Emulex HBAs.
- No reboot message appears when running HP Smart Update Manager on SUSE LINUX Enterprise Server 9. Before a server is rebooted, the user can specify a reboot message to appear after a successful installation of firmware, software, or both. However, when running HP Smart Update Manager on SUSE LINUX Enterprise Server 9, the reboot message does not appear because there is no access to the console when using SUSE LINUX Enterprise Server 9. This issue is not unique to HP Smart Update Manager; it is an operating system limitation.

## Command line

- Even though a hard drive firmware component is supported by the Firmware Maintenance CD and DVD, not all firmware components support updating hard drives in all enclosures. HP Smart Update Manager might allow a user to select hard drive firmware for installation even though the hard drive is not supported in the enclosure. Firmware installation is attempted and fails because the hard drive is not in a supported enclosure. The component log does not include a reason why the failure occurred.
- The NIC firmware components do not support the IPv6 protocol. Therefore, when using the IPv6 protocol on the network and trying to deploy the NIC firmware using HP Smart Update Manager, HP Smart Update Manager appears to hang.
- Before updating the firmware on a Modular Smart Array 60 or Modular Smart Array 70 from version 1.42 or earlier to version 2.16 or later, read the advisory on the HP website ([http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&objectID=c01361896&jumpid=reg\\_R1002\\_USEN](http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&objectID=c01361896&jumpid=reg_R1002_USEN)).
- The HP NC-Series Broadcom Online Firmware Upgrade Utility for Linux components on the Firmware Maintenance CD v7.90 and later require a tg3 driver version greater than or equal to 3.58b and bnx2 driver versions greater than or equal to 1.4.41. If the tg3 driver version is earlier than 3.58b or the bnx2 driver version is earlier than 1.4.41, the installation of these components appears to be successful. However, the installation is not successful, and the user is not informed of the installation failure.
- HP Smart Update Manager only updates the NIC firmware that is programmed currently in the NIC. For example, if a PXE image is programmed currently and an iSCSI image is needed, then refer to the NIC firmware update tool, which can be found at the appropriate download page for your system configuration on the HP website (<http://www.hp.com/go/support>).



# HP Smart Update Manager and component-related topics

- When running HP Smart Update Manager from the command line, if a component that you want to deploy is not needed on the system, the component installation is not attempted.
- When using HP Smart Update Manager to deploy firmware to remote targets via the command-line, if you do not issue the /s or /silent option (-s or --silent for Linux), the HP Smart Update Manager GUI is loaded. The GUI uses the provided data to bypass as much of the installation interview process as possible.
- When running HPSUM with the /silent option, there is no indication that any components have failed dependencies. If you run HPSUM with the /silent option and nothing appears to have changed, run HPSUM without the /silent option, and then check the Select Items to be Installed screen to see if any of the components have failed dependencies.

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# History of previous releases

## Smart Update Firmware DVD 9.20

The following updates were made to HP Smart Update Manager:

- Added the 2011.04 Release Set for HP BladeSystem c-Class components. For a full list of components comprising the release set, see the HP website (<http://www.hp.com/go/bladestystemupdates>).
- Added support for the following operating system:
  - SUSE Linux Enterprise Server 11 SP1
  - Microsoft® Windows® HPC Server 2008 R2
- Added firmware for the following HP ProLiant servers:
  - HP ProLiant BL490c G7 Server
  - HP ProLiant BL460c G7 Server
  - HP ProLiant BL2x220c G7 Server
  - HP ProLiant DL585 G7 Server
  - HP ProLiant DL580 G7 Server
  - HP ProLiant DL170e G6 Server
  - HP ProLiant SL390s G7 Server
- For the complete list of firmware on the DVD, see the FW Server Support Guide on the DVD or the HP website (<ftp://ftp.hp.com/pub/c-products/servers/management/smartstart/FWServerSupportGuide9.20.pdf>).
- Removed firmware for the following HP ProLiant servers:
  - HP ProLiant BL20p G3 Server
  - HP ProLiant BL20p G4 Server
  - HP ProLiant BL25p Server
  - HP ProLiant BL25p G2 Server
  - HP ProLiant BL35p Server
  - HP ProLiant BL45p Server
  - HP ProLiant BL45p G2 Server
  - HP ProLiant DL320 G4 Server
  - HP ProLiant DL360 G4p Server
  - HP ProLiant DL380 G4 Server
  - HP ProLiant DL385 Server
  - HP ProLiant DL580 G3 Server
  - HP ProLiant DL580 G4 Server

- HP ProLiant DL585 Server
- HP ProLiant ML350 G4p Server
- HP ProLiant ML370 G4 Server
- HP ProLiant ML570 G3 Server
- HP ProLiant ML570 G4 Server
- There were no servers in this release that were baselined in the Smart Update Firmware DVD 9.20. Baselined firmware will still be available for download on the HP website (<http://www.hp.com>).
- New features for Smart Update Manager in this release:
  - Added Host Search options on the Select Installation Host(s) screen.

## Smart Update Firmware DVD 9.10

The following updates were made to HP Smart Update Manager:

- Added the 2010.07 Release Set for HP BladeSystem c-Class components. For a full list of components comprising the release set, see the HP website (<http://www.hp.com/go/ bladesystemupdates>).
- Added support for firmware updates on HP ProLiant 100 series servers, with the following conditions:
  - There is limited support for HP ProLiant 100 G6 series servers
  - There is online LO100 firmware support with select OSs
  - There is support for certain ProLiant 100 series options, storage, and system ROMs
- Added support for iLO 3 firmware updates.
- Added support for the Red Hat EL 5.5 operating system.
- Added firmware for the following HP ProLiant servers:
  - HP ProLiant BL465c G7 Server
  - HP ProLiant BL685c G7 Server
  - HP ProLiant DL120 G6 Server
  - HP ProLiant DL160 G6 Server
  - HP ProLiant DL160se G6 Server
  - HP ProLiant DL165 G7 Server
  - HP ProLiant DL170h G6 Server
  - HP ProLiant DL2x170h G6 Server
  - HP ProLiant DL4x170h G6 Server
  - HP ProLiant DL180 G6 Server
  - HP ProLiant DL360 G7 Server
  - HP ProLiant DL380 G7 Server
  - HP ProLiant DL385 G7 Server
  - HP ProLiant ML110 G6 Server
  - HP ProLiant ML150 G6 Server
  - HP ProLiant SL160z G6 Server
  - HP ProLiant SL165z G7 Server

- HP ProLiant SL170z G6 Server
- HP ProLiant SL2x170z G6 Server

For the complete list of firmware on the DVD, see the `cdcontent-fw.htm` file on the DVD or the HP website (<ftp://ftp.hp.com/pub/c-products/servers/management/smartstart/FWContent910.pdf>).

- No firmware support was removed from FWDVD 9.10.
- The following HP ProLiant servers will have baselined firmware support on the Smart Update Firmware DVD 9.10. Firmware support for these servers will be removed in the following version of the Smart Update Firmware DVD. Baselined firmware will still be available for download on the HP website (<http://www.hp.com>).
  - HP ProLiant BL20p G3 Server
  - HP ProLiant BL25p Server
  - HP ProLiant BL35p Server
  - HP ProLiant BL45p Server
  - HP ProLiant BL45p G2 Server
  - HP ProLiant DL320 G4 Server
  - HP ProLiant DL360 G4p Server
  - HP ProLiant DL380 G4 Server
  - HP ProLiant DL385 Server
  - HP ProLiant DL580 G3 Server
  - HP ProLiant DL580 G4 Server
  - HP ProLiant DL585 Server
  - HP ProLiant ML350 G4p Server
  - HP ProLiant ML570 G3 Server
  - HP ProLiant ML570 G4 Server

For a list of supported HP ProLiant servers, see the Smart Update Firmware DVD Support Matrix (<ftp://ftp.hp.com/pub/c-products/servers/management/smartstart/FWContent910.pdf>).

- No updates to HP Smart Update Manager were added.

## Smart Update Firmware DVD 9.00

The following updates were made to HP Smart Update Manager:

- Added the ability to deploy native Linux RPMs. Support for downloading RPMs directly from the HP website (<http://www.hp.com>) is scheduled to be available in a future release.
- Added the following command line parameters:
  - `/firmware_report` generates a report listing the firmware installed on the target and the details of the target.
  - `/On_failed_dependency` provides HP Smart Update Manager information on how to proceed when a component has a failed dependency.
- All reports are now generated in XML format as well as HTML format.
- Added a component criticality icon to each component listed on the Select Items to be Installed screen
- Changed the Bundle Select screen to comply with the supported OS layout

- Added the HP Smart Update Manager User Guide
- Added firmware:
  - HP NC-Series QLogic Online Firmware Upgrade Utility for Linux i386
  - HP NC-Series QLogic Online Firmware Upgrade Utility for Linux x86\_64
  - HP BladeSystem c-Class Virtual Connect Firmware:
  - Ethernet plus 4/8Gb 20-port FC Edition Component for Linux
  - Ethernet plus 8Gb 24-port FC Edition Component for Linux
  - Ethernet plus 4/8Gb 20-port FC Edition Component for Windows
  - Ethernet plus 8Gb 24-port FC Edition Component for Windows
- Removed firmware:
  - ML310 G2 Support for HP ProLiant ML310 G2 Server
  - ML310 G3 Support for HP ProLiant ML310 G3 Server
  - ML310 G4 Support for HP ProLiant ML310 G4 Server
  - ML310 G2 Online ROM Flash Component for Windows—HP ProLiant ML310 G2 (W01) 2006.01.20
  - ML310 G2 Online ROM Flash Component for Linux—HP ProLiant ML310 G2 (W01) 2006.01.20
  - ML310 G3 Online ROM Flash Component for Windows—HP ProLiant ML310 G3 (W02) Servers 2007.08.03
  - ML310 G3 Online ROM Flash Component for Linux—HP ProLiant ML310 G3 (W02) Servers 2007.08.03
  - ML310 G4 Online ROM Flash Component for Windows—HP ProLiant ML310 G4 (W03) Servers 2008.06.10
  - ML310 G4 Online ROM Flash Component for Linux—HP ProLiant ML310 G4 (W03) Servers 2008.06.10
- Updated firmware for the following ProLiant Servers and supported options:
  - System ROMs for HP ProLiant ML/DL/BL servers
  - Storage Array Controllers
  - Storage Disks (hard drives)
  - Lights Out Management (iLO 2 firmware)
  - Network (NIC firmware)
  - HP BladeSystem c-Class Virtual Connect Firmware
  - HP tape drives
  - SAS and SATA hard drives
  - SAS Backplane Firmware

## Firmware maintenance 8.70

- Added the following new operating system support:
  - Red Hat Enterprise Linux 5.4 (x86 and AMD64/EM64T)
  - SUSE LINUX Enterprise Server 10 SP3 (AMD64/EM64T) and (x86)

- Added firmware for the following ProLiant servers and supported options:
  - Firmware CD Supplemental Update – HP SAS EXP Card
  - Firmware CD Supplemental Update / Online ROM Flash Component for Linux – Smart Array P212, P410, P410i, P411, and P712m
  - Online ROM Flash Component for Windows – Smart Array P212, P410, P410i, P411, and P712m
- Removed firmware for the following ProLiant servers:
  - Support for HP ProLiant DL320 G3 Server
  - Support for HP ProLiant DL360 G4p Server
  - Support for HP ProLiant DL380 G3 Server
- Updated firmware for the following ProLiant servers and supported options:
  - System ROMs for HP ProLiant ML/DL/BL servers
  - Storage Array Controllers
  - Storage Disks (hard drives)
  - Lights Out Management (iLO 2 firmware)
  - Network (NIC firmware)
  - HP BladeSystem c-Class Onboard Administrator
  - HP tape drives
  - SAS and SATA hard drives

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**NOTE:** For information on a previous release, see the Release Notes for that version.

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