

What's New for SmartStart 8.30



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Intended audience

This document is for the person who installs, administers, and troubleshoots servers and storage systems. HP assumes you are qualified in the servicing of computer equipment and trained in recognizing hazards in products with hazardous energy levels.

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New SmartStart features

- Support for newly released HP ProLiant ML/DL 300, 500, and 700 Series servers, HP ProLiant BL server blades, and HP BladeSystem c-Class enclosures and options
- Support for newly released server options
- As of SmartStart version 8.30, only baseline support is available for the following servers, and will be removed from the 8.40 versions of SmartStart and ProLiant Support Packs:
 - 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 G1 Server
 - HP ProLiant BL45p G2 Server
 - HP ProLiant BL460c Server
 - HP ProLiant BL465c Server
 - HP ProLiant BL480c Server
 - HP ProLiant BL685c Server
 - HP ProLiant DL320 G3 Server
 - HP ProLiant DL320 G4 Server
 - HP ProLiant DL320s Server
 - HP ProLiant DL360 G4 Server
 - HP ProLiant DL360 G4p Server
 - HP ProLiant DL365 G1 Server
 - HP ProLiant DL380 G4 Server
 - HP ProLiant DL385 G1 Server
 - HP ProLiant DL385 G2 Server
 - HP ProLiant DL580 G3 Server
 - HP ProLiant DL580 G4 Server
 - HP ProLiant DL585 G1 Server
 - HP ProLiant DL585 G2 Server
 - HP ProLiant ML310 G2 Server
 - HP ProLiant ML310 G3 Server
 - HP ProLiant ML310 G4 Server
 - HP ProLiant ML350 G4 Server
 - HP ProLiant ML350 G4p Server

- HP ProLiant ML370 G4 Server
- HP ProLiant ML570 G3 Server
- HP ProLiant ML570 G4 Server
- Support removed in the 8.30 versions of SmartStart and ProLiant Support Packs for the following servers:
 - HP ProLiant BL20p G2 Server Blade
 - HP ProLiant BL30p Server Blade
 - HP ProLiant BL40p Server Blade
 - HP ProLiant DL360 G2 Server
 - HP ProLiant DL360 G3 Server
 - HP ProLiant DL380 G2 Server
 - HP ProLiant DL560 Server
 - HP ProLiant DL580 G2 Server
 - HP ProLiant DL760 G2 Server
 - HP ProLiant ML350 G2 Server
 - HP ProLiant ML350 G3 Server
 - HP ProLiant ML370 G3 Server
 - HP ProLiant ML530 G2 Server
 - HP ProLiant ML570 G2 Server

ProLiant Support Pack

New operating system support

- Red Hat Enterprise Linux 4.8
- Microsoft® Windows Server® 2008 R2
- Microsoft® Windows Server® 2008 R2 Foundation Edition, supported only on the following single socket servers:
 - HP ProLiant DL320 G5p Server
 - HP ProLiant DL320 G6 Server
 - HP ProLiant ML310 G5 Server

Microsoft® Windows®

New components for ProLiant Support Pack (PSP) 8.30 for Windows®:

- HP Storageworks x86 Brocade Storport Fibre Channel Host Bus Adapter Driver for Microsoft® Windows Server® 2003
- HP Storageworks x64 Brocade Storport Fibre Channel Host Bus Adapter Driver for Microsoft® Windows Server® 2003
- HP Storageworks x64 Brocade Storport Fibre Channel Host Bus Adapter Driver for Microsoft® Windows Server® 2008
- HP Storageworks x86 Brocade Storport Fibre Channel Host Bus Adapter Driver for Microsoft® Windows Server® 2008
- ACPI-Compliant Power Meter Device Identifier for Windows Server® 2003/2008
- ACPI-Compliant Power Meter Device Identifier for Windows Server® 2003/2008 x64 Editions

Removed drivers for ProLiant Support Pack (PSP) 8.30 for Windows®:

- HP StorageWorks Fibre Channel Array Notification Driver for Windows Server® 2003/2008
- HP StorageWorks Fibre Channel Array Notification Driver for Windows Server® 2003/2008 x64 Editions

NetWare

SmartStart version 7.91 was the last release that contained NetWare PSP. The NetWare PSP will continue to be available on the web for download.

Linux

New components for ProLiant Support Pack (LSP) 8.30 for Linux:

- No new components for this release

Removed drivers for ProLiant Support Pack (LSP) 8.30 for Linux:

- HP 6-Port SATA RAID Controller Driver for SUSE Linux Enterprise Server 10

HP Smart Update Manager

New features for v8.30

There are no new features for this release.

HP Insight Diagnostics

Starting with SmartStart CD version 8.30, HP Insight Diagnostics uses native 64-bit program codes. This migration from 32-bit HP Insight Diagnostics has been implemented on both 32-bit and 64-bit SmartStart boot environments.

Hardware support

For a complete list of hardware and software support, see the *Server Support Guide* (<ftp://ftp.compaq.com/pub/products/servers/management/smartstart/CurrentServerSupportGuide.pdf>).

History of previous releases

SmartStart 8.25

Changes to the HP ProLiant Essentials Foundation Pack:

- The pack includes two SmartStart CDs, the Firmware Maintenance CD, and the Management DVD.
- Naming of the HP ProLiant Essentials Foundation Pack is changing.

The naming of the HP ProLiant Essentials Foundation Pack is changing to HP Insight Foundation suite for ProLiant. The naming change becomes effective June 2009. There are no changes to the individual CDs/DVD in regard to naming or content.
- Delivery method of the HP ProLiant Essentials Foundation Pack is changing.

To support HP's commitment to reduce our overall environmental impact, the HP ProLiant Essentials Pack is available as a selectable option for the 300/500 G6 and later servers at the time servers are ordered through CTO. This change allows customers the flexibility to order the number of media kits that best meet their needs, eliminating the receipt of unnecessary duplicate media.

This change starts with the G6 servers. No change is being made to previous generations. BTO products will continue to ship with the ProLiant Essentials Foundation Pack.

To ensure that customers continue to have access to the latest updates, the contents of this kit are available as a downloadable ISO image from HP at the following HP websites:

 - HP ProLiant Essentials Foundation Pack (<http://www.hp.com/go/foundation>)
 - SmartStart CD (<http://www.hp.com/cgi-bin/hpsupport/index.pl>)
 - Management DVD (<http://www.hp.com/go/foundation>)
- Support for newly released HP ProLiant ML/DL 300, 500, and 700 Series servers, HP ProLiant BL server blades, and HP BladeSystem c-Class enclosures and options
- Support for newly released server options
- SmartStart version 8.20 was the last release that contained SUSE LINUX Enterprise Server 9 (x86 and AMD64/EM64T)
- As of SmartStart version 8.25, only baseline support is available for the following servers, and will be removed from 8.30 versions of SmartStart and ProLiant Support Packs:
 - HP ProLiant BL20p G2 Server Blade
 - HP ProLiant BL30p Server Blade
 - HP ProLiant BL40p Server Blade
 - HP ProLiant DL360 G2 Server
 - HP ProLiant DL360 G3 Server
 - HP ProLiant DL380 G2 Server
 - HP ProLiant DL560 Server
 - HP ProLiant DL580 G2 Server
 - HP ProLiant DL760 G2 Server

- HP ProLiant ML350 G2 Server
- HP ProLiant ML350 G3 Server
- HP ProLiant ML370 G3 Server
- HP ProLiant ML530 G2 Server
- HP ProLiant ML570 G2 Server
- New operating system support:
 - Microsoft® Windows Server® 2008 SP2
 - SUSE LINUX Enterprise Server 11 (x86 and AMD64/EM64T)
 - Replaces SUSE LINUX Enterprise Server 9 (x86 and AMD64/EM64T)
 - Microsoft® Windows Server® 2008 Foundation

Supported only on the following single socket servers:

 - HP ProLiant DL320 G5p Server
 - HP ProLiant DL320 G6 Server
 - HP ProLiant ML310 G5 Server
- New driver for ProLiant Support Pack (PSP) 8.25 for Windows®: QLogic 1GB PCI Ethernet NDIS Miniport Driver for Windows®
- Removed driver for ProLiant Support Pack (PSP) 8.25 for Windows®: HP ProLiant Array Diagnostics Utility for Windows®. This functionality is now part of Array Configuration Utility.
- Removed drivers for PSP for NetWare: SmartStart version 7.91 was the last release that contained NetWare PSP. The NetWare PSP will continue to be available on the web for download.
- With SUSE Enterprise Linux 11 and Red Hat Enterprise Linux 5.3, the HP StorageWorks QLogic Fibre Channel Driver for 2.6x Kernels, HP StorageWorks QLogic Fibre Channel Drive for c-Class Blade Servers, and HP Linux Driver Kit for Emulex Based Fibre Channel Host Bus Adapter for 2.6.x Kernels components are provided in the OS distribution and are no longer included in the ProLiant Support Pack.
- New component for ProLiant Support Pack (LSP) 8.20 25 for Linux: HP Fibre Channel Enablement Kit for Linux (RHEL5 and SLES11 only)
- Removed drivers for ProLiant Support Pack (LSP) 8.25 for Linux:
 - HP ProLiant Array Diagnostics Utility for Linux. This functionality is now part of Array Configuration Utility.
 - HP NC-Series NetXen Linux Socket Acceleration
- HP Smart Update Manager
 - Source Selection Screen—This new screen enables the user to specify where to obtain components for updating the targets by using one or more of the following methods:
 - Specify a directory

This option enables you to select the source directory for the components you want to deploy. The directory can be located on a locally accessible file system. The default location is the directory from which HP Smart Update Manager is executed.
 - Check ftp.hp.com

This option enables you to obtain firmware and software components located on the HP ftp site. The ftp site contains the latest versions of the firmware and software components

available from HP. The applicable components, denoted with an HP.com icon, are available for selection on the Select Items to be Installed screen. When using this method, both firmware and software components are available for selection, depending on the options set on the Set Bundle Filter screen.

The components are not downloaded from the HP ftp site to a target until you select the **Install** button, unless the component is needed to discover supported devices. If components are needed for discovery, you are prompted to allow this action.

- Include components previously downloaded from HP.com
This option includes the components that have been previously downloaded from the HP ftp site as available for selection on the Select Items to be Installed screen. The default location for the previously downloaded components is the
`%TEMP%\hp_sum\RepositoryManager\Repxx\`
- HPSUM enhanced logging
- A new log file that contains detailed information on the execution of HP Smart Update Manager. The filename is `hpsum_execution_log_<date>_<time>.log` and is normally located in `C:\cpqsystem\hp\log` directory in Windows® and the `/var/hp/log/` directory in Linux.
- Starting with SmartStart CD version 8.25, the HP Insight Diagnostics "Survey" data displays a new section called "Redundant Power Supply Mode" under the existing category "Internal Conditions." Depending on the RBSU setting of the server, the application displays the data either as "High Efficiency Mode" or "Balanced."

SmartStart 8.20

Changes to the HP ProLiant Essentials Foundation Pack:

- The pack includes two SmartStart CDs, the Firmware Maintenance CD, and the Maintenance DVD.
- Naming of the HP ProLiant Essentials Foundation Pack is changing.
The naming of the HP ProLiant Essentials Foundation Pack is changing to HP Insight Foundation suite for ProLiant. The naming change becomes effective June 2009. There are no changes to the name or content of individual CDs or DVDs.
- Delivery method of the HP ProLiant Essentials Foundation Pack is changing.
To support HP's commitment to reduce our overall environmental impact, the HP ProLiant Essentials Pack is available as a selectable option for the 300/500 G6 and newer servers at the time servers are ordered through CTO. This change provides customers the flexibility to order the number of media kits that best meet their needs, eliminating the receipt of unnecessary duplicate media.
This change starts with the G6 servers. No change is being made to previous generations. BTO products will continue to ship with the ProLiant Essentials Foundation Pack.
To ensure that customers continue to have access to the latest updates, the contents of this kit are available as a downloadable ISO image from HP at the following HP websites:
 - HP ProLiant Essentials Foundation Pack (<http://www.hp.com/go/foundation>)
 - SmartStart CD (<http://www.hp.com/cgi-bin/hpsupport/index.pl>)
 - Management DVD (<http://www.hp.com/go/foundation>)
- Support for newly released HP ProLiant ML/DL 300, 500, and 700 Series servers, HP ProLiant BL server blades, and HP BladeSystem c-Class enclosures and options
- Support for newly released server options

- As of SmartStart version 8.20, only baseline support is available for the following servers, and will be removed from 8.30 versions of SmartStart and ProLiant Support Packs:
 - HP ProLiant BL20p G2 Server Blade
 - HP ProLiant BL30p Server Blade
 - HP ProLiant BL40p Server Blade
 - HP ProLiant DL360 G2 Server
 - HP ProLiant DL360 G3 Server
 - HP ProLiant DL380 G2 Server
 - HP ProLiant DL560 Server
 - HP ProLiant DL580 G2 Server
 - HP ProLiant DL760 G2 Server
 - HP ProLiant ML350 G2 Server
 - HP ProLiant ML350 G3 Server
 - HP ProLiant ML370 G3 Server
 - HP ProLiant ML530 G2 Server
 - HP ProLiant ML570 G2 Server
- New operating system support: Red Hat Enterprise Linux 5.3 (x86 and AMD64/EM64T)
- New drivers for ProLiant Support Pack (PSP) 8.20 for Windows®:
 - HP NC-Series Intel N1Q Driver for Windows®
 - HP NC-Series NetXen nx3 Multifunction Driver for Windows®
 - QLogic iSCSI HBA STOR Miniport driver for Windows®
- Removed drivers for ProLiant Support Pack (PSP) 8.20 for Windows®:
HP ProLiant Advanced System Management Controller Driver for Windows Server® 2003
- Removed drivers for PSP for NetWare:
SmartStart version 7.91 was the last release that contained NetWare PSP. The NetWare PSP will continue to be available on the web for download.
- New drivers for ProLiant Support Pack (LSP) 8.20 for Linux:
 - HP NC-Series Intel e1000e driver for Linux
 - QLogic iSCSI driver for Linux
 - HP NC-Series Intel igb driver for Linux
- Starting with SmartStart CD version 8.10, the Diagnosis tool within HP Insight Diagnostics is available in the Offline Edition of HP Insight Diagnostics version 8.1.1. Previously, the Smart Disk Array Diagnosis tool was available only in the Online Editions of HP Insight Diagnostics delivered through ProLiant Support Packs.
- Starting with SmartStart CD version 8.10 and PSP 8.11/LSP 8.11, the Disk Array Diagnosis tool has been enhanced to support the new generation of intelligent Power Supplies offered with selected ProLiant servers. This tool enables users to diagnose and troubleshoot power supply-related problems and perform repair with the aid of Recommended Repair Action (RRA) messages when displayed on the screen. The user interface in this enhanced version of the Diagnosis tool might appear similar to previous versions; however, the internal conditions governing functionality might be different than Disk Array Diagnosis. When a user attempts to run Diagnosis, it automatically detects the hardware

configuration and presents to the user interface only those devices that are applicable for Diagnosis. Software logic within Diagnosis determines if a particular power supply or disk drive is able to perform necessary testing.

SmartStart 8.15

- Support for newly released HP ProLiant ML/DL 300, 500, and 700 Series servers, HP ProLiant BL server blades, and HP BladeSystem c-Class enclosures and options
- Support for newly released server options
- New operating system support: Red Hat Enterprise Linux 4.7 (x86 and AMD64/EM64T)
- Microsoft® Windows®:
 - New drivers for ProLiant Support Pack (PSP) 8.15 for Windows®:
 - HP SC08Ge Host Bus Adapter
 - Network Controller Driver Ethernet
- NetWare: Removed drivers for PSP for NetWare: SmartStart version 7.91 was the last release that contained NetWare PSP. The NetWare PSP will continue to be available on the web for download.
- Linux: No new drivers for ProLiant Support Pack (LSP) 8.15 for Linux.

SmartStart 8.10

- Support for newly released HP ProLiant ML/DL 300, 500, and 700 Series servers, HP ProLiant BL server blades, and HP BladeSystem c-Class enclosures and options
- Support for newly released server options
- New operating system support:
 - Red Hat Enterprise Linux 5.2 (x86 and AMD64/EM64T)
 - SUSE Linux Enterprise 10 SP2 (x86 and AMD64/EM64T)
 - Microsoft® Windows® 2008 Small Business Server Standard Edition
- Microsoft® Windows®:
 - Updated HP Insight Management WBEM Providers for Windows Server® 2003/2008.
 - Automated Firewall configuration for Windows Server® 2008.
 - MSA20, MSA500, and MSA500 G2 support
 - Updated CIM software identity usage to enable SEC/SCCM support
 - New drivers for ProLiant Support Pack (PSP) 8.11 for Windows®:
 - Trusted Platform Module Identifier for Windows Server® 2003
 - Storport miniport driver for the HP ProLiant Integrated SATA Controller Driver for Windows Server® 2003 x86 Edition
 - HP NC-Series Broadcom 10GbE Multifunction Driver for Windows Server® 2003
 - Removed drivers for ProLiant Support Pack (PSP) 8.11 for Windows®:
 - This is the last release of the SmartStart and Windows® 2003 PSP 8.10 to provide support for the following driver:

HP ProLiant Advanced System Management Controller driver (cpqasm.sys)

- SmartStart version 7.91 was the last release that contains Windows® 2000 PSP. Windows 2000 PSP has not been updated since version 7.60 and will continue to be available on the web for download.
- NetWare:
 - Removed drivers for PSP for NetWare: SmartStart version 7.91 was the last release that contained NetWare PSP. The NetWare PSP will continue to be available on the web for download.
- Linux:
 - New drivers for ProLiant Support Pack (LSP) 8.11 for Linux:
 - HP NC-Series Broadcom 10Gb Multifunction Driver for Linux
 - The HP System Health Application and Insight Management Agents package (hpsm) has been repackaged into the following deliverables:
 - HP System Health Application and Insight Management Agents
 - HP SNMP Agents
 - HP System Management Homepage Templates for Linux
 - Removed drivers from ProLiant Support Pack (LSP) 8.11 for Linux:
 - HP System Health Application and Insight Management Agents (hpsm)

SmartStart 8.00

- Support for newly released HP ProLiant ML/DL 300, 500, and 700 Series servers, HP ProLiant BL server blades, and HP BladeSystem c-Class enclosures and options
- Support for newly released server options
- Beginning with the SmartStart 8.00 release, the content is separated into two SmartStart CDs: One CD for all x86 32-bit components (supported Linux and Microsoft® Windows® versions) and one CD for all x86 64-bit components (supported Linux and Microsoft® Windows® versions)
- Support for new HP Insight Management WBEM Providers for Windows Server® 2003/2008
- New operating system support:
 - Red Hat Enterprise Linux 5 update 1 (x86 and AMD64/EM64T)
 - Red Hat Enterprise Linux 4 update 6 (x86 and AMD64/EM64T)
 - SUSE Linux Enterprise 9 SP4 (x86 and AMD64/EM64T)
 - Windows Server® 2008 Final release
- Microsoft® Windows®:
 - New HP Insight Management WBEM Providers for Windows Server® 2003/2008. These providers have the following features:
 - Emulate industry standard technologies for accessing management information in an enterprise environment.
 - Supply system management data through the Windows Management Instrumentation (WMI) framework for ProLiant server platforms and options.
 - Serve as an alternative to SNMP-based management agents.

- Support by HP-SIM 5.2.
- Extend the Common Information Model (CIM) defined by the DMTF to provide a rich set of standards based management data that is specific to ProLiant systems.
- Leverage the rich set of base-level instrumentation provided by the system management controllers and drivers.
- Deliver in-depth hardware management, inventory, system state, and event notifications.
- For more information, go to the HP website (<http://www.hp.com/go/HPwbem>).
- New drivers for Windows® PSPs:
 - Headless Server Registry Update for Windows
 - HP Insight Management WBEM Providers for Windows Server® 2003/2008
 - HP Insight Management WBEM Providers for Windows Server® 2003/2008 x64 Editions
 - HP StorageWorks Tape Drivers for Windows
 - HP NC-Series NetXen Driver for Windows Server® 2003
- Removed drivers for Windows® PSPs:
 - SmartStart version 7.91 was the last release that contains Windows® 2000 PSP. Windows 2000 PSP has not been updated since version 7.60 and will continue to be available on the web for download.
 - SmartStart and Windows 2003 PSP 7.91 provided the baseline support for the following drivers/utilities. Therefore, these drivers and utilities will not be included in the next release of Windows 2003 PSP or SmartStart assisted install:
 - HP ProLiant CSB-6 ATA-100 IDE RAID Driver for Windows® 2000/Windows Server® 2003 (Isicsb6.sys) - CP006269
 - HP ProLiant CSB-6 ATA-100 IDE RAID Management Utility for Windows® 2000/Windows Server® 2003 (SPY Utility) - CP005789
 - HP ProLiant Integrated Ultra ATA-100 Dual Channel Driver for Windows® 2000/Windows Server® 2003 (megaide.sys) – CP005783
 - HP ProLiant Integrated ATA RAID Management Utility for Windows (SPY Utility) - CP005788
 - HP Virus Throttle for Windows Server® 2003
 - HP Virus Throttle for Windows Server® 2003 x64 Editions
 - Because the drivers and utilities listed above will not be updated in the next release of the Windows 2003 PSP or in SmartStart versions beyond version 7.91, SmartStart 7.91 and Windows 2003 PSP 7.91 provided the baseline support for the following servers:
 - HP ProLiant ML310 Server
 - HP ProLiant DL320 Generation 2 Server
 - HP ProLiant ML330 Generation 2 Server
 - HP ProLiant ML330 Generation 3 Server
- NetWare
 - Removed drivers for NetWare PSPs.
 - SmartStart version 7.91 was the last release that contained NetWare PSP. The NetWare PSP will continue to be available on the web for download.

- Linux:
 - New drivers for Linux PSPs:
 - HP NC-Series NetXen Driver for Linux
 - HP Linux Socket Acceleration
 - HP Insight Diagnostics Online Edition for Linux is now supported in 64-bit environments.
 - Removed drivers from Linux PSPs:
 - HP Virus Throttle for Red Hat Enterprise Linux 4, HP Virus Throttle for Red Hat Enterprise Linux 5, HP Virus Throttle for SUSE Linux Enterprise Server 9 and HP Virus Throttle for SUSE Linux Enterprise Server 10
 - HP ProLiant Essentials Licensing for Red Hat Enterprise Linux 4, HP ProLiant Essentials Licensing for Red Hat Enterprise Linux 5, HP ProLiant Essentials Licensing for SUSE Linux Enterprise Server 9 and HP ProLiant Essentials Licensing for SUSE Linux Enterprise Server 10
 - HP Lights-Out Drivers and Agents (hprsm)

SmartStart 7.90

- Support for newly released ProLiant ML/DL 300 and 500 Series servers and ProLiant BL server blades
- Support for newly released server options
- SmartStart users performing an Assisted Install for Windows Server® 2003 have the option to perform a 'Custom' install of the ProLiant Support Pack. This option enables the user to customize which components to install during the ProLiant Support Pack installation.
- New operating system support:
 - Red Hat Enterprise Linux 4 Update 5 (x86 and AMD64/EM64T)
 - SUSE LINUX Enterprise Server 10 SP1 (x86 and AMD64/EM64T)
- Microsoft® Windows®:
 - Remote Deployment Utility (RDU) for Windows Server® 2003 is being replaced by HP Smart Update Manager (HPSUM). For additional information about HPSUM, see the user guide.
 - New Component for Windows® PSPs
 - Trusted Platform Module Identifier Component for Windows Server® 2003 PSP (x32 and x64)

SmartStart 7.80

- New operating system support:
 - Red Hat Enterprise Linux 5 for x86, AMD64, and Intel EM64
 - Windows Server® 2003 R2 Data Center Edition x86/x64 on selected platforms:
 - HP ProLiant BL45p Server Blade
 - HP ProLiant BL45p Generation 2 Server Blade
 - HP ProLiant BL685c Server Blade
 - HP ProLiant DL380 Generation 4 Server
 - HP ProLiant DL380 Generation 5 Server

- HP ProLiant DL580 Generation 3 Server
- HP ProLiant DL580 Generation 4 Server
- HP ProLiant DL585 Server
- HP ProLiant DL585 Generation 2 Server
- HP ProLiant ML570 Generation 3 Server
- HP ProLiant ML570 Generation 4 Server
- Microsoft® Windows®:
 - Removed drivers from Windows® PSPs:
 - HP ProLiant Hot Plug Memory Configuration Utility for Windows Server® 2003 Enterprise Edition
 - HP ProLiant Smart Array-2 Controllers Driver for Windows Server® 2003
 - HP StorageWorks Fibre Channel Support for Windows Server® 2003
 - HP ProLiant Drive Array Notification for Windows® 2000/Windows Server® 2003
 - The ProLiant Support Pack for Windows® 2000 Version 7.60 is the last version of the ProLiant Support Pack that supports Windows® 2000. The ProLiant Support Pack for Windows® 2000 Version 7.60 ships on the SmartStart CD Version 7.80 and remains available on the HP website (<http://www.hp.com>).
 - HP Integrated Tape Applications and Utilities for Windows®
- Netware:
 - Removed drivers from Netware PSPs:
 - Compaq Disk Array Controller Host Adapter Module for NetWare v5.1
 - Hewlett-Packard Company Disk Array Controller Host Adapter Module for Netware v6.x
 - HP Fibre Channel Host Adapter Module for Netware
- Linux:
 - New drivers for Linux PSPs
 - New driver to support iLO remote console high performance mouse under Linux
 - Removed drivers from Linux PSPs:
 - RHEL 3 PSP and Driver Update Diskettes is no longer delivered on the SmartStart CD beginning with 7.80 (Software can be found on the HP website (<http://www.hp.com>))
 - HP ProLiant 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Controller Driver RHEL3, RHEL4, and SLES9
 - HP ProLiant NC31xx Fast Ethernet NIC Driver for Linux
 - HP Protect Your Data Information and Application Downloads for Linux

SmartStart 7.70

- Enhanced performance using SmartStart running through an iLO Remote Console
- Support for newly released Network Interface Controllers and other server options

- Autorun - The latest Emulex and QLogic Fibre Channel-based HBA drivers are now easily accessed from the HP website (<http://www.hp.com>). For those Boot from SAN configurations for Windows®, driver diskette files and documentation can be found using the links provided on the SmartStart CD.
- ProLiant Support Pack (PSP) Version 7.60 is the last version that supports non-RBSU ProLiant servers. For additional information, go to the HP website (http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&objectID=c00779375&jumpid=reg_R1002_USEN).
- New operating system support:
 - Red Hat Enterprise Linux 3 Update 8 (x86 and AMD64/EM64T)
 - Red Hat Enterprise Linux 4 Update 4 (x86 and AMD64/EM64T)
 - SUSE Linux Enterprise Server 10 (x86 and AMD64/EM64T)
- Microsoft® Windows®:
 - New drivers for Windows® PSPs:
 - HP ProLiant ATI RAGE XL Video Controller Driver for Windows Server® 2003
 - Removed drivers from Windows® PSPs:
 - HP ProLiant System Management Controller driver was removed from the Windows Server® 2003 PSP. However, this driver will continue to be available on hp.com.
 - HP Hot Plug Memory driver (cpqmhp.sys) was removed from the Windows Server® 2003 PSP. However, this driver will continue to be available on hp.com.
- Linux
 - Removed drivers from Linux PSPs
 - The HP Tested and Approved Linux Bonding Driver was removed from the ProLiant Support Pack for Red Hat Enterprise Linux 3, and the HP Tested and Approved Linux 802.1q VLAN Driver was removed from the ProLiant Support Pack for Red Hat Enterprise Linux 3 and the ProLiant Support Pack for SUSE LINUX Enterprise Server 9. For more information, see Customer Notice c00673238, "HP Focusing on Support VLAN and Bonding (Teaming) Driver in Red Hat Linux and SUSE Linux Kernels Beginning with SmartStart Release 7.70."

SmartStart 7.60

- Support for Windows Server® 2003 R2 SBS (32-bit) with Assisted Path Install for Windows® Products
- Support for newly released ProLiant ML/DL 300 and 500 Series servers and ProLiant BL server blades
- Support for newly released Network Interface controllers and other server options
- Added support for an ISO format (a disk image) of the operating system installation media in ISO 9660 file system as an alternative to the standard OS vendor supplied media. The OS can also be copied from a USB Key, DVD, or network share for Windows® assisted installation, eliminating the necessity of a CD-ROM.
- New operating system support:
 - Red Hat Enterprise Linux 3 Update 7 (x86 and AMD64/EM64T)
 - Red Hat Enterprise Linux 4 Update 3 (x86 and AMD64/EM64T)

- Microsoft® Windows®:
 - New drivers and utilities for Windows® PSPs:
 - HP NC360x Gigabit Ethernet NIC Driver
 - HP StorageWorks Fibre Channel Adapter Kit for Emulex Storport Driver for Windows Server® 2003
 - HP StorageWorks Fibre Channel Adapter Kit for QLAxxxx Storport Driver for Windows Server® 2003
 - HP 6-Port SATA RAID Controller driver for Windows Server® 2003 x64 Editions
 - Removed drivers and utilities from Windows® PSPs:
 - HP ProLiant CMD 0649 IDE Ultra DMA Controller Driver for Windows® 2000/Server® 2003 was removed from the Windows Server® 2003 PSP. However, this driver will continue to be supported as part of the Windows 2000 PSP. For newer versions, see the Windows Server® 2003 media.
 - HP StorageWorks Fibre Channel Adapter Kit for the QLogic SCSI Port Windows® 2000/Server® 2003 was removed from the Windows 2003 PSP and replaced with a Storport version of the driver.
 - HP StorageWorks Fibre Channel Adapter Kit for Emulex Storport Driver for Windows Server® 2003 was removed from Windows 2003 PSP and replaced with a Storport version of the driver.
- NetWare:
 - New drivers and utilities for Netware PSPs:
 - HP NC360x Gigabit Ethernet NIC Driver
- Linux:
 - New drivers and utilities for Linux PSPs:
 - HP NC10xx/67xx/77xx/150x/320x/324x/325x/326x Tigon3 Gigabit Ethernet NIC Driver for Linux for all Linux distributions
 - HP 6-Port SATA RAID Controller Driver for Red Hat Enterprise Linux 3 (AMD32) and HP 6-Port SATA RAID Controller Driver for Red Hat Enterprise Linux 3 (AMD64)
 - Removed drivers and utilities from Linux PSPs:

The HP NC10xx/67xx/77xx/150x/320x/324x/325x/326x Tigon3 Gigabit Ethernet NIC Driver for Linux replaces the HP ProLiant NC10xx/67xx/77xx/150x/320x/324x/325x/326x Gigabit Ethernet NIC Driver for Linux for all distributions. For more information, see Customer Notice c00677429, "Transition From the bcm5700 to the tg3 Driver will occur for the HP ProLiant NC10xx/67xx/77xx/150x/320x/324x/325x/326x Gigabit Ethernet NIC Driver for Linux."
 - SUSE LINUX Enterprise Server 8 is now only available on the HP website (<http://www.hp.com/go/support>).

SmartStart 7.51

- Assisted installation support for Microsoft® Windows Server® 2003 R2 Editions
- Support for newly released ProLiant ML/DL 300 and 500 Series servers and ProLiant BL server blades

- Support for newly released HP SAS/SATA Controllers
- Added notification window to inform customers when an integrated version of Windows Server® 2003 Service Pack 1 or later media is required for proper installation of certain storage controllers. For more information, see HP Customer Advisory C00665082.
- NEW HP USB Key Utility - Forget the CD, carry your data on a bootable USB key. System administrators can now make storage, transportation, and usage of the SmartStart and Firmware Maintenance CD easy. For more information, see the HP website (<http://www.hp.com/servers/smartstart>).

SmartStart 7.50

- Assisted installation support for Microsoft® Windows Server® 2003 R2 Editions
- Support for newly released ProLiant ML/DL 300 and 500 Series servers and ProLiant server blades
- Support for newly released HP SAS/SATA Controllers
- Support for NEW Integrated Lights Out 2 (iLO 2)
- New operating system support:
 - Microsoft® Windows Server® 2003 R2
 - Microsoft® Windows Server® 2003 R2, x64 Editions
 - Red Hat Enterprise Linux 3 Update 6 (x86 and AMD64/EM64T)
 - Red Hat Enterprise Linux 4 Update 2 (x86 and AMD64/EM64T)
 - SUSE LINUX Enterprise Server 9 SP3 (x86 and AMD64/EM64T)
- Microsoft® Windows®:
 - Support for Microsoft® Web Services Management (WS Management)
 - New drivers and utilities for Windows® PSPs:
 - Support for HP 4/8 Internal Port SAS/SATA HBA controller
 - HP ProLiant IPMI Provider for Microsoft® Windows Server® 2003 and 2003 for x64 R2 Editions - WS Management
 - HP ProLiant iLO 2 Management Controller Driver for Windows®
- NetWare:

New drivers and utilities for NetWare PSPs:

 - HP NC370x/371x/373x/380x Multifunction Gigabit Server Adapter Driver for NetWare
 - HP ProLiant Embedded Health Driver for NetWare
- Linux:
 - New drivers and utilities for Linux PSPs:
 - HP Linux Driver Kit for Emulex Based Fibre Channel Host Bus Adapters for all Linux distributions
 - HP OpenIPMI Device Driver support for Red Hat Enterprise Linux 3, Red Hat Enterprise Linux 4, and SUSE LINUX Enterprise Server 9
 - HP 6-Port SATA RAID Controller Driver for all Linux distributions

- HP ProLiant 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Controller Driver support for Red Hat Enterprise Linux 4
- HP U320 SCSI Adapter and SAS HBA with RAID Driver support for Red Hat Enterprise Linux 4 and SUSE LINUX Enterprise Server 9
- Removed drivers and utilities from Linux PSPs:
 - HP Integrated Tape Applications and Utilities for Linux removed for SUSE LINUX Enterprise Server 8
- NEW Smart Array Drive Diagnosis within HP Insight Diagnostics. Available in Windows® and Linux environments, Smart Array Drive Diagnosis runs tests to help determine the root cause of problems for hard disk drives attached to your Smart Array controllers. The software saves you time by pinpointing whether or not a drive is good, failing, or has failed, and then prepares those drives that are still under warranty for return.

SmartStart 7.40

- Improved graphical user interface - cleaner look and feel simplifies user experience and provides greater consistency with other HP applications
- Rapid Windows® Server installation - new improved installation techniques reduce assisted installation deployment time by an average of 20 percent
- Assisted installation support for Microsoft® Windows Server® 2003 for x64 Editions
- New operating system support:
 - Red Hat Enterprise Linux 3 Update 5 (x86 and AMD64/EM64T)
 - Red Hat Enterprise Linux 4 Update 1 (x86 and AMD64/EM64T)
 - SUSE LINUX Enterprise Server 8 SP4 (x86 and AMD64)
- Microsoft® Windows®:
 - New drivers and utilities for Windows® PSPs:
 - HP ProLiant SATA RAID Controller Driver for Microsoft® Windows® 2000/Server® 2003
 - HP Integrated Tape Applications and Utilities for Windows®
 - HP Virus Throttle for Microsoft® Windows Server® 2003 x64 Editions
 - HP Lights-Out Online Configuration Utility for Microsoft® Windows Server® 2003 x64 Editions
 - Removed drivers and utilities from Windows® PSPs:
 - HP ProLiant Serial Console for Microsoft® Windows 2000 Server
- Linux:
 - New drivers and utilities for Linux PSPs:
 - HP Integrated Tape Applications and Utilities for Linux
 - HP Virus Throttle and HP ProLiant Essential Licensing RPMs for all Linux distributions
 - HP Lights-Out Online Configuration Utility for Linux now includes support for Red Hat Enterprise Linux 4 and SUSE LINUX Enterprise Server 9
 - HP Insight Diagnostics Online Edition for Linux now includes support for Red Hat Enterprise Linux 4

- Removed drivers and utilities from Linux PSPs:
 - SNMP extensions moved to the Linux Deployment Utility for installation if a supported version of SNMP is not found on the server
 - Red Hat Enterprise Linux 2.1 is now only available on the HP website (<http://www.hp.com/go/support>).
- The Linux PSPs are now delivering the rpms in individual tarballs (.tar.gz) that include the rpm, xml, and text file

SmartStart 7.30

- Added support for HP Smart Array SAS/SATA Controller
- Removed assisted installation support for Microsoft® Windows® NT 4.0
- Removed the following PSPs and Driver Diskettes from the SmartStart CD but they can be found on the HP website (<http://www.hp.com/go/support>):
 - ProLiant Support Pack for Microsoft® Windows NT 4.0
 - ProLiant Support Pack for Microsoft® Windows NT 4.0 (Japanese)
 - ProLiant Support Pack for Red Hat Linux 7.3
 - ProLiant Support Pack for Red Hat Linux 8.0
 - ProLiant Support Pack for SUSE LINUX Enterprise Server 7
- New HP Lights-Out Online Configuration Utility for Microsoft® Windows and Linux
- New drivers for the HP NC370 Multifunction Gigabit Server Adapters
- New drivers for HP Smart Array SAS/SATA Controller
- Support for Microsoft® Windows Server® 2003, Standard x64 Edition
- Support for Microsoft® Windows Server® 2003, Enterprise x64 Edition
- Support for Microsoft® Windows Server® 2003 SP1
- Support for Red Hat Enterprise Linux 4 (x86)
- Red Hat Enterprise Linux 4 (AMD64/EM64T)
- Support for newly released HP ProLiant ML/DL 300 and 500 Series servers and ProLiant server blades

SmartStart 7.20

- Assisted OS installation for the ProLiant BL25p and BL35p server blades
- HP Fibre Channel drivers for Microsoft® Windows (Emulex and QLogic) and Linux (QLogic) in the PSPs
- System Management Homepage 2.0
- ProLiant Software Maintenance Subscription migrated to a free download-only subscription
- Final release of the Software Maintenance CD - content distributed on the SmartStart CD or HP website
- New Linux PSP support for SUSE LINUX Enterprise Server 9 (x86) and (AMD64/EM64T)

- New Linux PSP support for SUSE LINUX Enterprise Server 8 (AMD64)
- New Linux PSP support for Red Hat Enterprise Linux 3 (AMD64/EM64T)
- Beta Windows® PSP support for Microsoft® Windows Server® 2003 for x64 Editions
- Beta Windows® PSP support for Microsoft® Windows Server® 2003 SP1

Acronyms and abbreviations

CIM

common information model

MSA

Modular Smart Array

PSP

ProLiant Support Pack

WBEM

Web-Based Enterprise Management