hp launches a redesigned smartstart

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Deploying server systems is not just about installing software. It is about building a solid foundation for the operation of your enterprise—a foundation that calls for every component of the server to be optimally configured with each other. SmartStart was developed to establish that solid foundation. SmartStart is a set of server integration tools and utilities that optimizes platform configuration and simplifies server setup.

SmartStart assists in successfully setting up new ProLiant servers. Without SmartStart to enable simplified deployment, customers would have to perform manual steps during the server configuration, which can be time consuming and error prone. With a repeatable set of server setup steps, SmartStart streamlines this manual process and eliminates the guesswork so you can set up a server correctly the first time.

SmartStart offers reliability and consistency with each server configuration. A browser-based user interface provides intelligent configuration and software installation, ensuring an optimized and reliable setup of ProLiant servers.

SmartStart undergoes thousands of hours of testing against a variety of servers and configurations, which include various for storage options, network options and supported operating systems. SmartStart integrates optimized server support software for maximum performance of your server.

Because customers are constantly looking for ways to simplify the process of building complex server platforms, SmartStart 6.00 was redesigned to accelerate the process of building complex server platforms. The redesign significantly reduces the time it takes to deploy a single ProLiant server, while at the same time maximizing reliability and integrity with each server deployed.

With the advent of embedded technology, configuration utilities residing within the system ROM now make it more convenient to perform hardware configuration. Embedded technology coupled with the newly redesigned SmartStart makes the process of configuring and maintaining ProLiant systems fast and efficient.

SmartStart 6.00 takes advantage of embedded utilities that easily configure server and array controllers from within the system ROM. SmartStart prepares the system for installing “off-the-shelf” versions of leading operating system software. SmartStart 6.00 also completes the assisted operating system install by automatically integrating optimized ProLiant server support software, known as ProLiant Support Packs.

SmartStart is included in the in the ProLiant Essentials Foundation Pack and ships standard with every ProLiant ML and DL series server. Flexible HP subscription services enable you to maintain the most current SmartStart releases.
By reducing extraneous processes, server setup within SmartStart 6.00 is now faster.

The SmartStart development team has reworked and removed extraneous setup processes, which reduces the overall time spent within a SmartStart session. SmartStart 6.00 averages one reboot during setup and takes less than 15 minutes to complete the system preparation before the operating system installation. These software revisions have reduced the number of reboots that you may have previously experienced within SmartStart:

- **No creation of the System Partition**—SmartStart leverages ROM-based utilities for hardware configuration. SmartStart server setup requires ProLiant servers with ROM-based setup support.
- **No more juggling of diskettes**—The Server Profile Diskette has been removed.
- **Reduced number of reboots**—The work required to prepare the boot partition is consolidated at the end of the interview questions, just before inserting the operating system CD for the operating system installation. The setup steps include cleaning or erasing attached drives, creating the boot partition, and landing a file system.
- **Simple connection and a CD based method for operating system installation**—The connection to an Integration Server, as a target for the operating system is not supported.
- **Streamlined the setup interview questions**—There are just enough questions to boot the operating system.
- **Simplified the installation path to assisted installation only**—Using assisted installation; SmartStart prepares the server for the operating system installation by prompting you with essential interview questions. Manual installation is available with ROM-based utilities. Replicated Installation is available with HP remote multiserver deployment tools.

Investment in embedded tools provides convenient access to configuration utilities.

In the streamlined SmartStart setup process, one of the key enablers is leveraging ROM-based utilities to configure the hardware.

- The ROM-Based Setup Utility (RBSU) performs a wide variety of server configuration activities including:
  - Viewing system information
  - Selecting the operating system to prepare the system for operating system installation
  - Configuring system devices and installed options
  - Selecting the primary boot controller
- The Option-ROM Configuration for Arrays (ORCA) utility allows you to configure array controllers. It allows you to create and delete logical drives, set interrupts, and set boot controller order.
Several new ROM-based enhancements are available on some ProLiant servers. These features include:

- Auto-configuration process that automatically configures the entire system without intervention.
- System Maintenance menu, which provides embedded server diagnostics and Inspect information.
- New “erase” option that erases the system configuration and boot drive.

For more information on whether your server includes these new features, refer to the server-specific setup and installation guide; feature information is included if available for your server. For more information on using the ROM-based enhancements, refer to the ROM-Based Setup Utility User Guide, located on the server Documentation CD or the SmartStart website.

The new user interface provides for easy navigation within the menus.

HP has reworked the user interface to model what most users are accustomed to a browser-based user interface. This new user interface is also consistent across the suite of HP Intelligent Manageability products. A browser-based user interface is generally more intuitive and easier to use.

When you insert the SmartStart CD into the CD-ROM drive and boot the server, SmartStart begins the server configuration. You will configure server settings such as server language, operating system, and RAID configuration. After this process is complete, the SmartStart main menu displays. Under the Home tab, the ProLiant server is listed with the hardware settings as they are configured (such as operating system and RAID settings). From the home page, you can access other server menus by clicking the tabs.
The new tabbed interface enables you to quickly go to the function that you want to perform. The four primary tabbed menus include:

- **Home**—Learn more about your server or other server products by accessing product information available within the home page. The “My ProLiant Server” section at the top of the home page consists of server information required to prepare your system for the operating system installation:
  - Server Model
  - RAM
  - Boot Controller
  - Boot Controller Disk Size
  - Operating System

- **Setup**—Launch the assisted operating system installation through either the Setup tab or the Setup icon on the Home page. The setup menu guides you through a series of interview questions that prepare your system for the operating system installation.

- **Maintenance**—Perform configuration and system functions with maintenance utilities that you can use during deployment or for future server maintenance processes.

- **CD Information**—Stay current with new information released with SmartStart. New information for both SmartStart and the Maintenance CD comes in the form of “What’s New” and in release notes that cover special requirements or workarounds for a particular release.

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**consistent server configurations**

SmartStart ensures consistent and reliable server configurations.

SmartStart provides a repeatable process by which you achieve a consistent and reliable server configuration every time. Using an assisted installation, SmartStart prepares the server for installation, enabling you to streamline the operating system installation process. To fully optimize the performance of your hardware platform, SmartStart also automatically installs the ProLiant Support Pack, which consists of system software drivers and management agents.

**SmartStart support**

SmartStart comes standard with every ProLiant ML or DL server.

The ProLiant Foundation Pack contains the essential components you need to set up a reliable and well-integrated server. The SmartStart CD contains SmartStart, server system utilities, and operating system support software for servers. The Management CD contains Intelligent Manageability products such as Insight Manager 7, Version Control Repository Manager, Survey Utility, and ActiveUpdate.

**NOTE:** For a complete list of servers that support SmartStart 6.00, refer to Table 1.
getting started

To fully optimize the performance of your hardware platform, the SmartStart assisted installation prepares the server for installation, allows you to install the operating system using the vendor-supplied CDs, and provides automated installation of server support software using ProLiant Support Packs (PSPs).

operating system support

Assisted Installation Support

The following operating systems are supported by SmartStart for an assisted installation:

- Microsoft Windows NT 4.0
- Microsoft Windows 2000 Server and Windows 2000 SBS
- Novell NetWare 5.1 and Novell NetWare 5.1 SBS
- Novell NetWare 6.0 and Novell NetWare 6.0 SBS

server requirements and support

Before installing the operating system on the server:

1. Be sure that the system meets the operating system requirements.

NOTE: For a complete list of servers that support SmartStart 6.00, refer to Table 1.

2. Be sure that the operating system CD and product identification numbers are available, if applicable.
3. If you are installing the operating system using a SmartStart assisted installation:
   - Be sure that SmartStart supports the operating system for an assisted installation.
   - Be sure that the server supports the RBSU.
   - If you are using a primary array controller, be sure that the controller supports the ORCA utility.
   
   Refer to the server-specific user documentation for more information, or refer to the SmartStart website.
4. Connect the server hardware as shown on the hardware installation and configuration poster.
5. If you are redeploying a server with assisted installation, be sure that all of your data is backed up because this process erases the hard drives on the system.
To begin an assisted installation, insert the SmartStart CD into the CD-ROM drive and boot the server. This will execute SmartStart and begin the server configuration process.

Previous versions of SmartStart created a system partition. The new SmartStart architecture uses the latest embedded technology eliminating the need for a special partition on the hard drive.

ProLiant Generation 2 servers and later have configuration utilities embedded in the system ROM. Configure the server using RBSU and the ORCA utility, if required. Pressing the F9 key from the startup sequence starts RBSU and this configuration process.

To access the embedded tools used for system configuration and maintenance:

- Press the F8 key when prompted during the boot process to configure the array controller using ORCA, if required. The ORCA utility allows users to configure array controllers. It allows the user to create and delete logical drives, set interrupts, and set boot controller order.
- Press the F8 key when prompted during the boot process to configure Remote Insight Lights-Out Edition II. This is only available if the RILOE II option is installed in your server.
- Press the F9 key when prompted during the boot process to change the server settings, such as the settings for language and operating system using RBSU. The system is set up by default for the English language, and a default operating system is selected depending on the server.

**IMPORTANT:** SmartStart installation relies on the operating system selection that is made in RBSU. The default operating system is Windows 2000. Be sure that the operating system you select is correct before exiting from RBSU.

- Press the F10 key when prompted during the boot process to access the System Maintenance Menu (SMM). SMM replaces the legacy system partition functionality that was supported on previous ProLiant servers.

The System Maintenance Menu has the option to run the following utilities:

- Setup Utility—Runs the ROM-Based Setup Utility (RBSU).
- Inspect Utility—Runs the embedded Inspection Utility. Use this utility to view system information and save it to a file on a diskette.
- ROM Diagnostic Utility—Runs the embedded ROM Diagnostic Utility. This utility includes the ROM Memory Diagnostic, CPU Diagnostic and Boot Disk Diagnostic tests.

**NOTE:** RBSU is machine-specific and customized for each type of server. For more details on how to use RBSU, go to [www.hp.com/servers/smartstart](http://www.hp.com/servers/smartstart) and download the ROM-Based Setup Utility User Guide.

After configuring the server using the embedded utilities, the system reboots.
select the language and keyboard

When SmartStart loads, select the language and keyboard, and then click **Continue** to review the license agreement. After reviewing the agreement, click **Agree** to access the SmartStart main menu.
assist you with the operating system install

After the system has been configured, you are ready to proceed with the operating system installation. The assisted operating system install menu provides a checklist of completed steps.

Select the Setup tab or the Launch Setup icon from the SmartStart main menu to launch the interview process. This process guides you through the assisted installation beginning with operating system selection.

The left navigation bar of the setup window displays the setup progress.
SmartStart prompts you to enter the System Management Homepage password to prepare the system for access to the management agents after operating system installation.

At the end of the interview process, SmartStart provides a summary screen of the selections, erases or cleans attached hard drives, creates the boot partition and automatically ejects the CD tray so that you can insert the operating system CD to complete the operating system installation.
CAUTION: After you click Continue on the Ready to Install screen, SmartStart begins the preparation for operating system installation. Be aware that part of this process includes the erasing of all hard drives on the system.

After the operating system installation process completes, the CD tray ejects and you are prompted to insert the appropriate operating system CD. Follow the on-screen instructions to install the operating system.

On systems using a Novell or Microsoft Windows NT 4.0 operating system, the appropriate PSP is installed with the operating system. On systems using a Microsoft Windows 2000 or Windows .NET operating system, the PSP is installed after the first login and takes approximately 10 minutes to install. PSPs contain software drivers, management agents, and software utilities for your server. For more information, go to www.hp.com/servers/proliant/manage

Because the SmartStart redesign is optimized for CD-based operating system installation only, SmartStart 6.00 no longer has the ability to connect to an integration server to use as a target operating system repository. For deployments requiring remote or network installations use the SmartStart Scripting Toolkit or the ProLiant Essentials Rapid Deployment Pack.

IMPORTANT: Because SmartStart only performs the most essential server features configuration, configuring server options is done after the operating system installation is complete.
SmartStart 6.00 offers new server maintenance utilities that are easily accessible from the CD. System utilities that you can run directly from the SmartStart CD provide for additional server configuration updates. These utilities include:

- **Array Configuration Utility**—Configures newly added array controllers and associated storage devices.
- **Server Diagnostics Utility**—Inspects the server for available components and tests the system.
- **ROM Flash/ROM Update Utility**—Provides an express and customizable way to update system and option ROMs.
New information for both SmartStart and the Maintenance CD comes in the form of “What’s New” and in release notes that cover special requirements or workarounds for a particular release.

This section also provides SmartStart subscription service information.
To access or install the latest software, SmartStart 6.00 replaced the Diskette Builder with a new autorun capability. To invoke the autorun feature of the SmartStart CD, insert the CD into a Windows-based system.

From the autorun menu, you have two options:

- **Install Software**—Clicking this button launches an Express Deployment Utility, which reviews the server and installs the latest available Support Pack for the operating system on the server. If needed, SmartStart prompts you to enter the System Management Homepage password to configure your system for access to the management agents after operating system installation.

- **Browse CD**—Clicking this button opens a browser-based interface. Select the product, model, and operating system from the drop-down menus and click **Locate Software**. A list of software available for that server displays for the selection. Support software images that can be created or downloaded include:
  - ProLiant Support Packs
  - Driver diskettes
  - Option and system ROMpaqs
  - Online ROM Flash Components
  - Utilities

**NOTE:** A limited set of support software is available from the SmartStart 6.00 CD. If the system is connected to the Internet, SmartStart 6.00 will have direct links to the HP server support Web pages for complete access to all available support software for ProLiant servers.
Server deployment has traditionally been a time-consuming tedious task, that uses valuable IT personnel. HP has led the industry with tools to enable those efforts, standardizing the server build process and incorporating automation. Today, HP provides a variety of value-added technologies for accelerating single and large-volume server deployments.

**Other Installation Support**

Manual installation and multi-server deployment support all of the operating systems supported by assisted installation.

For operating systems not supported by assisted installation use manual installation or multi-server deployment methods.

- Linux installation is easy to perform using manual installation and the Linux operating system media. To configure the server hardware with a Linux operating system, refer to the HOWTO installation guide located at [www.compaq.com/products/servers/linux/compaq-howto.html](http://www.compaq.com/products/servers/linux/compaq-howto.html)


Readme text files with EFS installation instructions are also available at [www.compaq.com/support/files/server/us/locOsCat/68.html](http://www.compaq.com/support/files/server/us/locOsCat/68.html)

The manual configuration path allows you to run RBSU manually and follow the installation procedures of the software manufacturer.

In some cases, the HP drivers and Management Agents are automatically loaded. However, full integration benefits are only achieved with the Assisted Integration path. This path may be used to install an operating system using CDs that are not SmartStart enabled. It may also be used for installing software if more flexible settings within the installation are desired.
The HP investment in embedded tools facilitates the steps required for hardware configuration.

1. To begin a manual operating system installation, insert the operating system CD into the CD-ROM drive and boot the server.

2. Configure the server using RBSU and the ORCA utility, if required. When completed, the server reboots.
   - Press the **F8** key when prompted during the boot process to configure the array controller using ORCA, if required.
   - Press the **F8** key when prompted during the boot process to configure Remote Insight Lights-Out Edition II. This is only available if the RILOE II option is installed in your server.
   - Press the **F9** key when prompted during the boot process to access RBSU and change the server settings, such as the settings for language and operating system. The system is set up by default for the English language, and a default operating system is selected depending on the server.

**NOTE:** On some systems, new ROM-based enhancements are available that automatically configure the ORCA utility and RBSU. Refer to the server-specific user documentation, which mentions this feature if available. For more information on using the ROM-based enhancements, refer to the **ROM-Based Setup Utility User Guide**, located on the server Documentation CD or the SmartStart website.

3. Follow the operating system–specific instructions to install the operating system.

4. After installing the operating system, install the appropriate PSP onto the server using one of the following methods:
   - Install from the SmartStart CD.
   - Download the latest software from [www.compaq.com/support](http://www.compaq.com/support)

PSPs contain software drivers, management agents, and software utilities for your server. ProLiant Support Packs support all ProLiant servers. For more information, go to:


**NOTE:** After the Microsoft Windows, Novell NetWare, or Linux (future support) operating system is installed; SmartStart automatically prompts you to insert the SmartStart CD as a reminder to apply the ProLiant Support Packs.
The following server tools are either developed or co-developed by HP to aid in the large volume deployment of ProLiant servers. These tools have been tested by HP to ensure compatibility with a wide range of ProLiant servers:

- **HP SmartStart Scripting Toolkit**—The HP SmartStart Scripting Toolkit radically simplifies high-volume server deployment, enabling you to deploy hundreds to thousands of servers in a quick and reliable fashion.

  The SmartStart Scripting Toolkit includes a modular set of utilities and important documentation that describes how to apply the tools to build an automated server deployment process. This automated process reduces time for each server deployed, making it possible to rapidly scale server deployments to high volumes in rapid fashion.

  The SmartStart Scripting Toolkit can be downloaded from the Web at [www.hp.com/servers/sstoolkit](http://www.hp.com/servers/sstoolkit)

- **ProLiant Essentials Rapid Deployment Pack**—The ProLiant Essentials Rapid Deployment Pack combines the GUI-based remote console deployment capability of the Altiris eXpress Deployment Solution with the power and flexibility of the SmartStart Scripting Toolkit, which is integrated with the Altiris product through the ProLiant Integration Module.

  The Altiris eXpress Deployment Solution is a GUI-based deployment and software distribution tool that provides remote console capabilities for both imaging and scripting. Altiris has also developed enhancements within its base product for HP products, such as integration with Remote Insight Lights-Out Edition (RILOE) and Integrated Lights-Out (iLO), and the ProLiant BL servers.

  Information about the Rapid Deployment Pack can be found at [www.hp.com/servers/rdp](http://www.hp.com/servers/rdp)
deploying other hardware

configuring Remote Insight Lights-Out Edition II

SmartStart is designed to aid in the installation of server options and clusters.

ROM-Based Setup Utility (RBSU) is used to set up the RILOE II during server boot up. RBSU is a feature of RILOE II, but is not accessible through the RILOE II Remote Console and can only be accessed locally at the server. To configure RILOE II in RBSU:

1. Restart or power up the server.
2. Press the **F8** key to enter the RBSU when the cursor flashes and the RILOE II prompt displays on the screen.
3. Make and save any necessary changes to the RILOE II.
4. Exit the RBSU when finished.

HP recommends using DNS/DHCP with the RILOE II to simplify installation. In the event that DNS/DHCP cannot be used, use the following procedure to disable DNS/DHCP and configure the IP address and subnet mask:

1. Restart or power up the server.
2. Press the **F8** key to enter the RBSU when the cursor flashes and the RILOE II prompt displays on the screen.

**NOTE:** Use the arrow keys to highlight selections.

3. Select Network, DNS/DHCP, and press the **Enter** key. The Network Autoconfiguration screen opens.
4. Select DHCP Enable and press the spacebar to turn off DHCP. Press the **F10** key to save the changes.

**NOTE:** Wait a few minutes for the board to save the network changes and to reset.

5. Select Network, NIC and TCP/IP, and press the **Enter** key. The Network Configuration screen opens.
6. Select the IP Address field, delete the address in the field, and type the IP address.
7. Select the Subnet Mask field, delete the address in the field, and type the subnet mask.
8. Press the **F10** key to save the changes.

**NOTE:** Wait a few seconds for the board to save the network changes and to reset.

9. To exit the RBSU, select File, Exit, then press the **Enter** key.
adding additional network interface controllers
There are a couple of methods for adding additional NICs to your server using SmartStart.

**Non-hot-plug method**—To add an additional NIC to a server without power:
1. Turn off the server and insert the NIC into an I/O expansion slot.
2. Boot the server into the operating system, and load the NIC driver from SmartStart (if required).

**Hot-plug method**—To add an additional NIC to a server with power:
1. Open the server access panels and hot-plug the NIC.
2. Insert the SmartStart CD into the CD-ROM drive and install the NIC driver from the SmartStart Autorun menu.

**NOTE:** Your server and operating system must have hot-plug support to use this functionality. If your system was originally configured with SmartStart, the NIC driver may already be installed on the server.

adding additional storage controllers
There are a couple of methods for adding additional storage controllers to your server using SmartStart.

**Non-hot-plug method**—To add an additional storage controller to a server without power:
1. Turn off the server and insert the storage controller into an I/O expansion slot.
2. Boot the server into the operating system, and load the controller driver from SmartStart (if required).

**Hot-plug method**—To add an additional storage controller to a server with power:
1. Open the server access panels and hot-plug the storage controller.
2. Insert the SmartStart CD into the CD-ROM drive and install the storage controller driver from the SmartStart Autorun menu.

**NOTE:** Your server and operating system must have hot-plug support to use this functionality. If your system was originally configured with SmartStart, the storage controller driver may already be installed on the server.

cluster support
SmartStart can be used to set up your servers, which will be used in a cluster. SmartStart supports assisted installation on each server in your cluster. Boot up a server with the SmartStart CD in the CD-ROM to configure the hardware and install the operating system. Once the operating system is installed on the first server, repeat the process on each additional server in the cluster.

**NOTE:** For more information on, refer to the documentation included with your cluster.
Table 1 lists ProLiant servers that are supported by SmartStart 6.00. “Supported servers” applies to RBSU-based systems with integrated array controllers supported by ORCA.

**NOTE:** A limited set of support software is available from the SmartStart 6.00 CD. To download the latest software updates, visit the Server Software Download Center at [www.compaq.com/support/files/index.shtml](http://www.compaq.com/support/files/index.shtml) and select **servers**. You can locate the server software updates by choosing the server or the operating system.

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<th>Table 1. ProLiant servers supported by SmartStart 6.00</th>
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<td><strong>ProLiant G1 Servers</strong></td>
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<td>ML310</td>
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<td>DL760</td>
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<td><strong>ProLiant G2 Servers</strong></td>
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<td>DL580 G2</td>
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<td><strong>ProLiant G3 Servers</strong></td>
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<td>ML530 G3</td>
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<td>ML530 G3 (2.6/2.8 GHz)</td>
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<tr>
<td><strong>ProLiant Clusters</strong></td>
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<tr>
<td>DL380 G2 Packaged Cluster</td>
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*Ships with SmartStart 5.50 only* | *Ships with SmartStart 5.50 and SmartStart 6.00* | *Ships with SmartStart 6.00 only*
Table 2 displays ProLiant servers that are not supported by SmartStart 6.00.

**NOTE:** Non-supported servers only applies to assisted operating system installation.

| Table 2: servers not supported by SmartStart 6.00 |
|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Pre ML/DL Servers                             | Ships with SmartStart 5.50 only | Ships with SmartStart 5.50 and SmartStart 6.00 | Ships with SmartStart 6.00 only |
| ProLiant G1 Servers                           |                               |                               |                               |
| ML330                                         |                               |                               |                               |
| ML330e                                        |                               |                               | N/A                           |
| ML350                                         |                               |                               |                               |
| ML370                                         |                               |                               |                               |
| ML530                                         | X                              |                               |                               |
| ML570                                         | X                              |                               |                               |
| ML750                                         | X                              |                               |                               |
| DL320                                         | X                              |                               |                               |
| DL360                                         | X                              |                               |                               |
| DL380                                         | X                              |                               | N/A                           |
| DL580                                         | X                              |                               |                               |
| ProLiant Blade Servers                        |                               |                               |                               |
| BL e-Class                                    |                               |                               |                               |
| BL p-Class                                    |                               |                               | Supported by the ProLiant Essentials Rapid Deployment Pack |
| Other HP Servers (bh, TC)                    |                               |                               | Supported by HP NetServer Navigator or other HP server setup solution |
As part of the Intelligent Manageability strategy to simplify the management of the IT infrastructure, HP has provided tools that allow quick software maintenance. Keep software current with:

- **SmartStart Autorun Menu**—The SmartStart autorun menu runs on systems with one of the following configurations:
  - Microsoft Windows NT 4.0 with Microsoft Internet Explorer 5.5 or later
  - Microsoft Windows 2000 with Microsoft Internet Explorer 5.0 or later
  On systems with one of the previous configurations, the SmartStart autorun menu loads when you insert the SmartStart CD into the CD-ROM drive while the operating system is running.
  - To install drivers, click **Install Software**.
  - To browse the CD for Microsoft Windows and Novell NetWare drivers, click **Browse CD**.

- **Product Change Notification (PCN)**—PCN uses a secure website to proactively communicate product changes and Customer Advisories through email to registered customers, based on a customer-provided profile. To sign up for this free service, visit [www.compaq.com/pcn](http://www.compaq.com/pcn)

- **ActiveUpdate**—ActiveUpdate is an advanced Web-based application that provides proactive notification and automatic download of software updates for ProLiant servers. ActiveUpdate simplifies the entire software maintenance process when used in conjunction with the new Version Control Repository Manager or Insight Manager 7 SP1. For more information, visit [www.compaq.com/activeupdate](http://www.compaq.com/activeupdate)

Product Change Notification and ActiveUpdate simplify the entire software maintenance process when used in conjunction with the Version Control Repository Manager or Insight Manager 7 SP1.

**NOTE**: A limited set of support software is available from the SmartStart 6.00 CD. To download the latest software updates visit the Server Software Download Center at [www.compaq.com/support/files/index.shtml](http://www.compaq.com/support/files/index.shtml) and select **servers**. This page allows you to locate your server software updates by choosing the server or the operating system.
SmartStart 5.x family

SmartStart 5.5 will be the last release within the SmartStart 5.x family. SmartStart 5.5 will continue to be available for order through 2003, as well as continue to be supported through customer support for 90-days of the server purchase. For more information on customer support, go to www.hp.com/servers/smartstart and click on support and services.

Any of the utilities installed or configured by SmartStart 5.5 will be retired with SmartStart 6.0 and will no longer be updated. These utilities include the System Configuration Utility, Diskette Builder Utility, and the System Partition Update Utility. To continue using these utilities, please use SmartStart 5.5.

A list of utilities from SmartStart 5.5 and SmartStart 6.0 and options for accessing them include:

- Maintenance tab, which is accessed by booting the SmartStart CD.
- System ROMs, future ProLiant servers will have enhanced ROMs with embedded ROM-based tools and utilities.
- Downloaded from hp.com website
- SmartStart autorun menu on Microsoft Windows and Linux based systems.

Table 3 describes how to access these utilities. Utilities available for download can be downloaded from www.compaq.com/support/files/server/us/index.html

New options for accessing utilities with SmartStart 6.00 include:

- Maintenance tab, which is accessed by booting the SmartStart CD.
- System ROMs, future ProLiant servers will have enhanced ROMs with embedded ROM-based tools and utilities.
- Downloaded from the HP website
- SmartStart autorun menu on Microsoft Windows and Linux based systems.

Table 3 describes how to access these utilities.
## table 3. accessing system utilities with SmartStart 6.00

<table>
<thead>
<tr>
<th>Current SmartStart Utilities</th>
<th>Boot CD</th>
<th>System ROM</th>
<th>Download</th>
<th>Autorun</th>
<th>Notes</th>
</tr>
</thead>
</table>
| System Configuration Utility | N/A     | N/A        | N/A      | N/A     | • Available only through SS 5.5 and earlier.  
                             |         |            |          |         | • Available with SmartStart Scripting Toolkit version 1.7 or earlier. |
| Array Configuration Utility  | X       |            | X        |         | Array is launched from SmartStart CD under Maintenance menu. |
| Update System Partition      | N/A     | N/A        | N/A      | N/A     | • Available only through SS 5.5 and earlier.  
                             |         |            |          |         | • Available with SmartStart Scripting Toolkit version 1.7 or earlier. |
| System Erase Utility         |         | X          | X        |         | • Erase NVRAM and boot drive avail in future system ROMs.  
                             |         |            |          |         | • SmartStart 6.0 and later during an assisted install cleans all disk drives prior to OS install. |
| Create Support Software      |         |            |          | X       | ROM Component Updates launched from SmartStart CD from Maintenance Menu. |
| ROMPAQ                       | X       |            | X        |         | ROM Component Updates launched from SmartStart CD from Maintenance Menu. |
| Array Diagnostics            |         |            |          | X       | ROM Component Updates launched from SmartStart CD from Maintenance Menu. |
| Fibre Channel Diagnostics    |         |            |          | X       | ROM Component Updates launched from SmartStart CD from Maintenance Menu. |
| Fibre Fault Interconnect Utility |     |            |          | X       | ROM Component Updates launched from SmartStart CD from Maintenance Menu. |
obtaining the SmartStart CD

SmartStart comes standard with every ProLiant ML and DL server. The ProLiant Foundation Pack contains the essential components you need to set up a reliable and well-integrated server. The SmartStart CD contains SmartStart, server system utilities and operating system support software for servers. The Management CD contains Intelligent Manageability products.

You can easily stay up-to-date with SmartStart releases with a SmartStart subscription service. The SmartStart Subscription Service provides customers with new and updated releases of the SmartStart CD, Insight Manager 7 and HP Server Support Software. Visit Subscription Information on the Web for more details:

www.compaq.com/products/servers/SmartStart/ss_subscription.html

Customers who have received defective media can request a replacement SmartStart Request Pack. In the United States, SmartStart Request Packs can be ordered by calling 1-800-OK-COMPAQ (1-800-652-6672) In other countries, customers should contact an authorized supplier or local HP Service Center for pack availability and ordering information.

SmartStart services and support

HP offers a complete choice of services to ensure the success of your ProLiant server deployment program. From professional consultative services to responsive telephone support services, the expertise of HP Services is available to support the implementation and operation of the SmartStart application.

- **Warranty**—HP replaces defective delivery media for a period of one year (12 months) following the date of purchase of your server.

- **Startup technical software support**—Available for no additional charge by calling HP Support up to 90 days from the date of purchase of your server. Phone support is available to assist customers with installation and set-up and standard usage questions. Worldwide numbers for Compaq Support are available at www.compaq.com/support/contact_compaq/index.html

- **Software Technical Support Services**—provide easy access to experts for questions regarding use of the SmartStart after the 90-day period. This is also a way to secure extended coverage hours and committed response times (1 or 2 hours) from day one. These CarePaq offerings are available in easy to purchase and convenient to use 5, 10 and 25 incident packages. For more information, visit www.compaq.com/services/carepaq/us/software/cp_technical.html

- **Email support**—HP offers standard email support for SmartStart. Visit this website to submit your questions over email www.compaq.com/support/contact_compaq/email.html.

- **Website support**—Through www.compaq.com/support, you can get the latest software drivers, management agents and utilities for your ProLiant servers.

- **SmartStart Support Forum**—The HP Support Forum is a community-based, user-supported tool for HP customers to participate in discussions amongst the customer community about HP products. You can access the SmartStart support forum through www.compaq.com/support and select Forums and Communities on the left hand menu. Participating in the forum initiates interaction between the customer community and not with HP services. If you need formal support from HP, please make your requests via the above methods.
other Intelligent Manageability products

The following resources are provided as additional software support.

**ProLiant Essentials**
ProLiant Essentials software delivers server management products that support an adaptive infrastructure. The Foundation Pack is a complete set of tools to install, configure, and manage ProLiant servers. Value packs are optional software solutions that lower server lifecycle cost of ownership. For more information, visit [www.hp.com/servers/proliantessentials](http://www.hp.com/servers/proliantessentials).

**Insight Manager 7**—Insight Manager 7 introduces next-generation version control and system-software update capabilities for ProLiant servers while providing secure, scalable, Web-based management servers, clients, clusters, and networking devices.

**Management Agents**—Management Agents enable immediate access to the proactive fault detection and continual troubleshooting capabilities of Insight Manager, alerting you to potential problems before they cause downtime.

**System Management Homepage**—The new System Management Homepage displays critical management information through a simple, task-oriented user interface. It provides a consolidated view of all configuration and system-health information, and simplifies access to the Web-enabled system management software running on the ProLiant server.

**Version Control Repository Manager**—The Version Control Repository Manager and Version Control Agents integrate with Insight Manager 7 to enable version control and remote update of BIOS, drivers, and agents across groups of ProLiant servers—enhancing system stability, reducing troubleshooting complexity, and reducing the cost associated with maintaining system software configurations.

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