HP ProLiant DL380 G4 Storage Server installation guide

This guide provides installation and configuration information for the HP ProLiant DL380 G4 Storage Server with Microsoft® Windows® Storage Server 2003 R2.

HP ProLiant DL380 G4 Storage Server installation guide

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About this guide

This guide provides information for setting up and configuring the following HP ProLiant storage server models:

- HP ProLiant DL380 G4 Storage Server
- HP ProLiant DL380 G4 Storage Server (External SCSI)
- HP ProLiant DL380 G4 Storage Server (External SATA)
- HP ProLiant DL380 G4 Storage Server (SAN Attach, Enterprise O/S)

In addition to being printed and included in your product kit, this guide is also provided as a PDF printable document on the HP ProLiant Storage Server Documentation CD.

Intended audience

This book is intended for use by technical professionals who are experienced with the following:

- Microsoft® administrative procedures
- System and storage configurations

Getting help

If you still have a question after reading this guide, contact an HP authorized service provider or access our web site: http://www.hp.com.

📝 **NOTE:**

Known issues and work arounds for the storage server products and the service release are addressed in release notes. To view the latest version, visit http://www.hp.com/go/support Select **See support and troubleshooting** information and enter a product name/number. Under self-help resources, select **manuals (guides, supplements, addendums, etc.)**.

Related documentation

In addition to this guide, refer to the following documents for more information:

- *HP ProLiant DL380 G4 Storage Server administration guide*
- *HP ProLiant 2U Rail installation instructions*
- *HP Integrated Lights-Out 1.80 User Guide*

These documents are available on the Documentation CD or they can be obtained at http://www.hp.com/go/support Select your product, then click **Technical documentation** under the Support section.

Conventions

This document contains the following conventions and symbols:

- Document conventions
- Text symbols
- Equipment symbols

Document conventions and symbols

Table 1 Document conventions

Convention	Element
Blue text	Cross-reference links and e-mail addresses
Medium blue, underlined text (http://www.hp.com)	Web site addresses
Bold font	• Key names • Text typed into a GUI element, such as into a box • GUI elements that are clicked or selected, such as menu and list items, buttons, and check boxes
Italic font	Text emphasis
`Monospace font`	• File and directory names • System output • Code • Text typed at the command line
`Monospace, italic font`	• Code variables • Command-line variables
`Monospace, bold font`	Emphasis of file and directory names, system output, code, and text typed at the command line

Text symbols

⚠ **WARNING!**

Indicates that failure to follow directions could result in bodily harm or death.

△ **CAUTION:**

Indicates that failure to follow directions could result in damage to equipment or data.

📝 **IMPORTANT:**

Provides clarifying information or specific instructions.

📝 **NOTE:**

Provides additional information.

🔆 **TIP:**

Provides helpful hints and shortcuts.

Equipment symbols

The following equipment symbols may be found on HP ProLiant storage server hardware.

⚠ **WARNING!**

Any enclosed surface or area of the equipment marked with these symbols indicates the presence of electrical shock hazards. Enclosed area contains no operator serviceable parts. *WARNING: To reduce the risk of personal injury from electrical shock hazards, do not open this enclosure.*

⚠ **WARNING!**

Any RJ-45 receptacle marked with these symbols indicates a network interface connection. *WARNING: To reduce the risk of electrical shock, fire, or damage to the equipment, do not plug telephone or telecommunications connectors into this receptacle.*

⚠ WARNING!

Any surface or area of the equipment marked with these symbols indicates the presence of a hot surface or hot component. Contact with this surface could result in injury. *WARNING: To reduce the risk of personal injury from a hot component, allow the surface to cool before touching.*

⚠ WARNING!

Power supplies or systems marked with these symbols indicate the presence of multiple sources of power. *WARNING: To reduce the risk of personal injury from electrical shock, remove all power cords to completely disconnect power from the power supplies and systems.*

⚠ WARNING!

Any product or assembly marked with these symbols indicates that the component exceeds the recommended weight for one individual to handle safely. *WARNING: To reduce the risk of personal injury or damage to the equipment, observe local occupational health and safety requirements and guidelines for manually handling material.*

HP technical support

Telephone numbers for worldwide technical support are listed on the HP support web site: http://www.hp.com/support/

Collect the following information before calling:

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

For continuous quality improvement, calls may be recorded or monitored.

HP subscriber's choice

HP strongly recommends that customers sign up online using the Subscriber's choice web site: http://www.hp.com/go/e-updates

- Subscribing to this service provides you with e-mail updates on the latest product enhancements, newest versions of drivers, and firmware documentation updates, as well as instant access to numerous other product resources.
- After signing up, you can quickly locate your products by selecting **Business support**, and then **Storage** under Product Category.

HP-authorized reseller

For the name of your nearest HP-authorized reseller:

- In the United States, call 1-800-282-6672.
- Elsewhere, visit the HP web site: http://www.hp.com Then, click **Contact HP** to find locations and telephone numbers.

Other helpful web sites

For other product information, see the following HP web sites:

- http://www.hp.com/go/storage
- http://www.hp.com/support/
- http://www.docs.hp.com
- http://www.microsoft.com

HP hardware support services

HP Instant Support Enterprise Edition (ISEE) provides proactive remote monitoring, diagnostics, and troubleshooting to help you enhance the availability of your servers, as well as storage and network devices. The ISEE software is located on the storage server in the c:\hpnas\components\ISEE folder. For more information, go to the HP web site: http://h20219.www2.hp.com/services/cache/10707-0-0-225-121.aspx

HP Services provides service tools that notify you when a significant system event has or will occur. These tools, WEBES System Event Analyzer (SEA) and OSEM, are used both as part of the ISEE remote service offering and as standalone tools to HP service customers. They are designed to send a notification only when an event or series of events has occurred that require service action. They are not intended to be real-time system state monitors

that trigger with every event. Most system components have the capability of sending hundreds of state events during normal operation. SEA and OSEM are designed to filter these component events and only notify customers and/or HP Services when action needs to be taken to resolve or prevent an outage. As designed they will not report all events. Other utilities are available to monitor real time system state. The software is located on the storage server in the `c:\hpnas\components\ISEE\OSEM` and `c:\hpnas\components\ISEE\WEBES` folders.

NOTE:

This feature is only available on the 300 and 500 series ProLiant storage servers.

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1 Setup overview

Your HP ProLiant storage server comes pre-installed with the Windows® Storage Server™ 2003 R2 operating system. Windows Storage Server 2003 R2 extends the Windows Storage Server 2003 operating system, providing a more efficient way to manage and control access to local and remote resources. In addition, Windows Storage Server 2003 R2 provides a scalable, security-enhanced Web platform for simplified branch server management, improved identity and access management, and more efficient storage management.
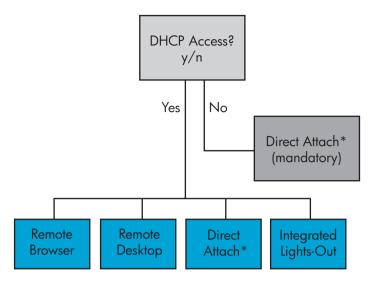
Depending on the configuration you have chosen, your storage server may contain additional software providing solutions for specific business needs. For example, your server may be optimized to be a File Print Appliance (FPA).

Planning for installation

Before you install your HP ProLiant storage server, you need to make a few up-front decisions.

Determining a network access method

Before beginning setup and startup procedures, you should decide upon an access method to connect to the storage server. The type of network access you select is determined by whether or not the network has a Dynamic Host Configuration Protocol (DHCP) server, as shown in Network Access methods. The following figure shows the types of network access methods that are available and provides more information about each one.

```
          ┌─────────────────┐
          │   DHCP Access?  │
          │      y/n        │
          └─────────────────┘

      Yes   │    No
            │         ┌─────────────────┐
            │         │  Direct Attach* │
            │         │   (mandatory)   │
            │         └─────────────────┘

  ┌──────────┬──────────┬──────────┬──────────┐
  │ Remote   │ Remote   │ Direct   │Integrated│
  │ Browser  │ Desktop  │ Attach*  │Lights-Out│
  └──────────┴──────────┴──────────┴──────────┘
```

*Direct Attach requires
 display, keyboard, and mouse.

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Figure 1 Deciding upon a network access method

Table 2 Network Access methods

Access method	I.E. 5.5 (or later)?	Storage server desktop?	HP ProLiant Rapid Startup Wizard?	Notes
Direct attachment	No	Yes	Indirectly from the storage server desktop.	Requires a monitor, mouse, and keyboard.
Remote browser	Yes	No	Directly from the HP ProLiant Storage Server Management console.	Does not display the storage server desktop.
Remote desktop	No	Yes	Indirectly from the storage server desktop.	Windows remote desktop capability required on client.
HP Integrated Lights-Out (iLO) connectivity	Yes	Yes	Indirectly from the storage server desktop.	Supported on the following HP ProLiant Storage Servers: ML310 G3, DL380 G4, DL585.

Planning a network configuration

You use the Rapid Startup Wizard to configure your storage server. This wizard is displayed automatically when you first start your system, immediately after you are prompted to install system updates. Before you run the Rapid Startup Wizard, it is helpful to gather together the network configuration information you need, including:

- User name and administrator password (the system provides you with defaults you need to change)
- E-mail addresses to set up system alerts
- SNMP settings
- Local area network (LAN) configuration settings

To help you gather this information, see "Configuring the server on the network" on page 39.

Configuration checklist

Use the following checklist to make sure you have completed all configuration tasks for your HP ProLiant storage server. The steps for each task are explained in more detail in subsequent chapters of this guide.

Table 3 Installation and Configuration checklist

	Steps	Reference
☐	1. Unpack server, check kit contents, and become familiar with front and back panels of storage server. Locate and write down serial number of storage server.	See "Checking kit contents" on page 22.
☐	2. Complete rail installation instructions.	See the HP ProLiant rail installation instructions, if applicable.
☐	3. Connect cables; (optional) connect a keyboard, mouse, and monitor; power on server, and log in to the server.	See "Cabling the server" on page 26, Powering on the server, and Direct attach method.
☐	4. Access the HP Storage Server Management console. • Direct attach method • Remote browse method • Remote desktop method • iLO method	See "Accessing the HP Storage Server Management console" on page 31.
☐	5. Complete the storage server configuration worksheet.	See "Server configuration worksheet" on page 39.
☐	6. Run Rapid Startup Wizard.	See "Rapid Startup Wizard" on page 42.
☐	7. Complete system configuration.	See "Complete system configuration" on page 43.
☐	8. Configure storage server for Web access, if necessary.	See "Configuring storage server for Web access (optional)" on page 45.

2 Installing the server

To install your HP ProLiant storage server, follow the instructions in the sections below:

- Checking kit contents
- Becoming familiar with front/back panels
- Completing rail kit installation
- Cabling the server
- Powering on the server

Checking kit contents

Remove the contents, making sure you have all the components shown in the figure below. If components are missing, contact HP technical support.
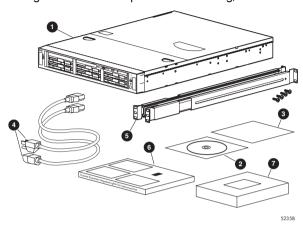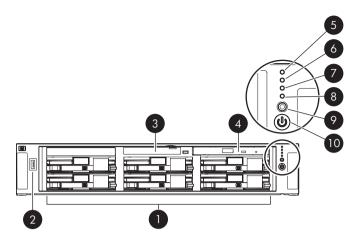

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Figure 2 Kit contents

1	HP ProLiant DL380 G4 Storage Server (with operating system preloaded)	5	Slide Rail Assembly
2	*HP ProLiant Storage Server System Installation and Recovery DVD*	6	*ProLiant Essentials Integrated Lights-Out Advanced Pack*
3	*End User License Agreement*	7	Product Documentation and, Safety and Disposal Documentation CD
4	Power cords (select the correct one needed for your connection needs)		

Becoming familiar with front/back panels

Become familiar with the function of the front/back panels on the server as shown in the figures below.
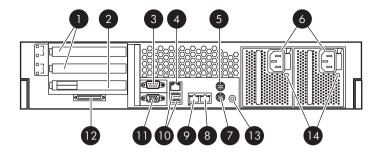
10678B

Figure 3 Front panel

1	Hard drive bays	6	External health LED
2	USB port	7	NIC 1 link/activity LED
3	Diskette drive bay	8	NIC 2 link/activity LED
4	DVD/CD-ROM drive	9	UID LED button
5	Internal health LED	10	Power on/standby button/system power LED

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Figure 4 Back panel

1	Hot-plug or non-hot-plug PCI-X expansion slot 3, 64 bit/100 MHz, bus B	8	NIC 1 connector
	Hot-plug or non-hot-plug PCI-X expansion slot 2, 64 bit/100 MHz, bus B	9	NIC 2 connector
2	Non-hot-plug PCI-X expansion slot 1, 64 bit/133 MHz, bus A	10	USB connectors
3	Serial connector	11	Video connector
4	iLO connector	12	VHDCI SCSI connector (port 1)
5	Mouse connector (green)	13	UID LED button
6	Power cord connector	14	Power Supply LEDs
7	Keyboard connector (purple)		

Locating and writing down the serial number

Before completing the installation portion of this guide, locate and write down the storage server's serial number, which may be needed to access the HP Storage Server Management console later on during the set up process.

The HP ProLiant storage server's serial number is located in three places:

- Top of the storage server
- Back of the storage server
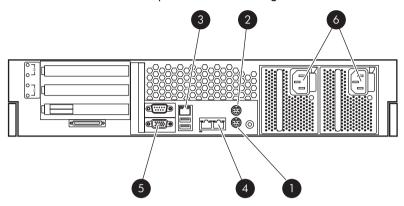
- Inside the storage server shipping box

Completing rail kit installation

Install the server into the rack by following the rail installation instructions for your server model. These installation instructions are provided in printed form with your server, on the HP ProLiant Storage Server Documentation CD, or at http://www.hp.com/support.

For all models of the HP ProLiant DL380 G4 Storage Server, see *HP ProLiant 2U Rail installation instructions.*

Cabling the server

Connect the cables in the sequence shown in the figure below.

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Figure 5 Cable connections

1	Keyboard	4	Network cable
2	Mouse	5	Monitor
3	iLO cable	6	Power cable

> **NOTE:**
> Connecting the power cord illuminates the green NIC LEDs. Connecting the power cord also restores the storage server to whatever previous powered state it was last in. This could result in the server powering up, the fans operating, and the power indicator coming on.
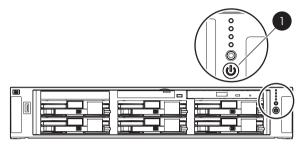
> **NOTE:**
> The keyboard, mouse, and monitor are used only for the "Direct attach method" on page 31. They are not provided with your storage server.

Powering on the server

Power on the server after connecting the cables.

1. Power on server by pushing the I/O button (1). The power LED located on the I/O button illuminates.

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Figure 6 Power on button

2. Insert the *HP ProLiant Storage Server System Installation and Recovery DVD* into the storage server disk drive to finalize the operating system installation and updates.

📝 **IMPORTANT:**

To successfully complete the installation and update process, you must run the HP ProLiant Storage Server System Installation and Recovery DVD. If you have not inserted this DVD into the disk drive when you boot the server, you will be prompted to do so. Follow the steps below to complete the server installation.

3. If the following screen comes up on your PC, click **Exit and reboot** or hold the power **I/O** button for 10 seconds.
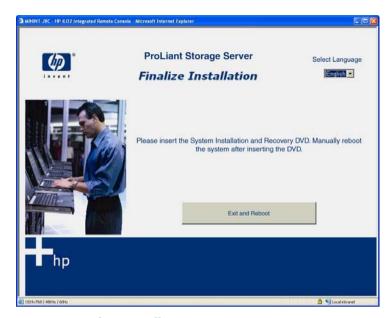
Figure 7 Finalize installation screen

4. During reboot, you see the screen below. The storage server performs the following actions:

- Restore image.
- Copy files.
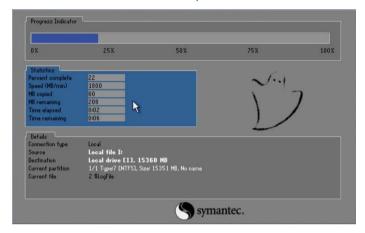- Prepare system settings.
- Boot Windows and finalize setup.

Figure 8 Restore progress screen

△ CAUTION:

Do not interrupt the reboot sequence; it takes a considerable amount of time.

By now you should have determined the access method for your storage server. For more information, see "Planning for installation" on page 15.

5. Go to "Accessing the HP Storage Server Management console" on page 31 to set up server access.

3 Accessing the HP Storage Server Management console

Before accessing the HP Storage Server Management console, verify that the storage server is completely installed in the rack, and that all cables and cords are connected. See the *HP ProLiant 2U Rail installation instructions* for additional installation guidance.

To access the HP Storage Server Management console, you can use these access methods:

Direct attach	To connect directly to the storage server without using the network.
Remote browser	To establish a browser-based connection to the HP ProLiant Storage Server Management console from a remote client running Internet Explorer 5.5 (or later).
Remote desktop	To establish a connection from a remote client without using a browser. This method requires the client to have Windows remote desktop capability.
HP Integrated Lights-Out (iLO)	To establish a browser-based connection from a remote client using the iLO interface. iLO connectivity is only supported on the following servers: ML310 G3, DL380 G4, and DL585.

For more information, see "Planning for installation" on page 15.

📝 **IMPORTANT:**

An IP address can be substituted for a storage server's serial number when using either remote browser or remote desktop methods to access the HP Storage Server Management console.

Using the Direct attach method

You can access the HP Storage Server Management console using a monitor, mouse, and keyboard directly attached to the storage server.

To connect the storage server to a network using the direct attach method

1. Log in to the HP ProLiant Storage Server Management console with the default user name `administrator` and the password `hpinvent`.

> **NOTE:**
>
> You can change the administrator name and password when you configure the server using the "Rapid Startup Wizard" on page 42.

2. To complete network configuration using the Rapid Startup Wizard, see "Configuring the server on the network" on page 39.

Using the Remote browser method

The storage server ships with DHCP enabled on the network port. If the sever is placed on a DHCP-enabled network and the serial number of the device is known, the server can be accessed through a client running Internet Explorer 5.5 (or later) on that network, using the TCP/IP 3202 port.

> **IMPORTANT:**
>
> Before you begin this procedure, ensure that you have the following:
>
> * Windows-based PC loaded with Internet Explorer 5.5 (or later) on the same local network as the storage server
> * DHCP-enabled network
> * Serial number or IP address of the storage server

To connect the server to a network using the remote browser method, you must first ensure that the client is configured to download signed ActiveX controls.

To enable ActiveX controls

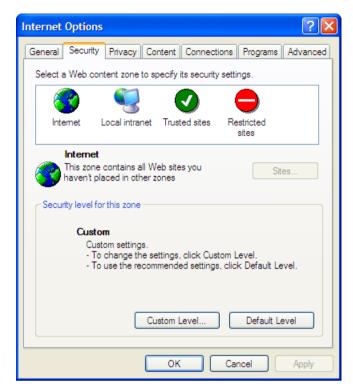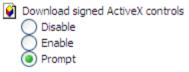1. On the remote client machine, open the Internet Explorer web browser and select **Tools > Internet Options > Security**.

Figure 9 Internet options screen

2. On the Security screen, select **Internet** or **Local intranet** web content zone, then click **Custom Level**.

3. Scroll down to locate the **ActiveX Controls and plug-ins settings**.

4. At **Download signed ActiveX controls settings**, select **Enable** to enable ActiveX or **Prompt** to launch a notice requiring approval before ActiveX is enabled.

5. Click **OK** to close the **Security Settings** dialog box.

6. If prompted **Are you sure you want to change the security settings for this zone** click **YES**.

7. On the **Internet Options** dialog box, click **OK** to finish.

To connect the storage server to a network using the remote browser method

1. On the remote client machine open Internet Explorer and enter `https://` and the serial number of the storage server followed by a hyphen (-), and then`:3202`. For example, `https://D4059ABC3433-:3202` Press **Enter**.

> 📝 NOTE:
>
> You can substitute the IP address for the serial number, if you are connected through DHCP.

2. Click **OK** on the **Security Alert** prompt.

3. Log in to the HP ProLiant Storage Server Management console with the default user name `administrator` and the password `hpinvent`.

> 📝 NOTE:
>
> You can change the administrator name and password when you configure the server using the "Rapid Startup Wizard" on page 42.

4. To complete network configuration using the Rapid Startup Wizard, see "Configuring the server on the network" on page 39.

> 📝 IMPORTANT:
>
> If you are using the remote browser method to access the HP Storage Server Management console and Rapid Startup Wizard, always close the remote session before closing your Internet browser. Closing the Internet browser does not close the remote session. Failure to close your remote session impacts the limited number of remote sessions allowed on the storage server at any given time.

Using the Remote desktop method

To connect the storage server to a network using the remote desktop method

1. On the PC client, select **Start > Run**. At **Open**, type `mstsc`, then click **OK**.

2. Enter the serial number of the storage server in **Computer** box and click **Connect**.

> 📝 NOTE:
> You can substitute the IP address for the serial number, if you are connected through DHCP.

3. Log in to the HP ProLiant Storage Server Management console with the default user name `administrator` and the password `hpinvent`.

> 📝 NOTE:
> You can change the administrator name and password when you configure the server using the "Rapid Startup Wizard" on page 42.
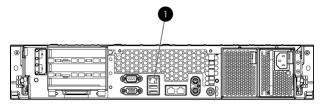
4. To complete network configuration using the Rapid Startup Wizard, see "Configuring the server on the network" on page 39.

Using the Integrated Lights-Out method

The HP iLO management processor provides multiple ways to configure, update, operate, and manage servers remotely. The HP ProLiant storage server comes preconfigured with iLO default factory settings, including a default user account and password. If iLO is connected to a network running DNS or DHCP, you can use it immediately without changing any settings.

To quickly setup iLO using the default settings for iLO Standard and iLO Advanced features, follow the steps below

1. Ensure that a network cable is connected to the iLO port (1) located on the back of the storage server.

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Figure 10 iLO connector port

📝 NOTE:

This connection method is easiest when the connection is to a DHCP-supported network.

2. If not using dynamic DHCP (IP addressing), use the iLO RBSU to input a static IP address.

3. Log in to iLO from a supported browser or command line.

📝 NOTE:

To find the default iLO log in settings, see the iLO Default Network Settings card attached to your server. The default DNS, administrator name, and password needed to log in will be on this card.

4. Change the default user name and password on the administrator account to your predefined selections.

5. Set up your user accounts, if using the local accounts feature.

6. Activate advanced features by entering a license key.

7. Install the iLO 2 device drivers.

8. Access the HP Storage Server Management console using the Remote Console method to access Windows.

NOTE:

Once this Remote Console feature is enabled, you can get access to the storage server's login screen.

For more information, see the *HP Integrated Lights-Out 1.80 User Guide* on the Documentation CD.

4 Configuring the server on the network

Before you begin

When first powering on the storage server you need to have some configuration data readily available to complete the Rapid Startup Wizard. Complete the Server configuration worksheet and use the data collected to initialize the storage server.

Table 4 Server configuration worksheet

Configuration Worksheet		
Administrative Identity		
User name		Change system administrator's user name, which is set by default to `administrator`.
User password		Change system administrator's password, which is set by default to `hpinvent`.
Alert E-mail Notification		
E-mail address alert sent to		E-mail address for critical, warning, or informational messages about server status.
E-mail address alert sent from		Must be a valid, well-formed e-mail address that will appear as the sender of server status e-mail alerts.
SMTP server name or IP address		Must be an e-mail server on your network that supports the Simple Mail Transfer Protocol (SMTP).
SNMP Settings (to be completed only if needed)		
Contact person		System administrator for the storage server. The contact and location will be provided to any SNMP management computer that requests them.

Configuration Worksheet		
System location		Any text string, such as a location or phone number. For example, `Floor #3, Financial Services Bldg.`
Community name No. 1		The community name is used for network authentication when sending outgoing SNMP messages.
Trap destination No. 1		The IP address of a management computer that will receive SNMP messages from the storage server using the above community name.
Community name No. 2		Same as above.
Trap destination No. 2		Same as above.
Network Interfaces (to be completed for non-DHCP configurations)		
Local area connection 1		A local area connection is automatically created for each network adapter that is detected.
IP address		An Internet Protocol (IP) address is assigned to the server. If it is not automatically assigned, enter the IP address that you want to assign to this server.
Subnet mask		A mask is used to determine what subnet an IP address belongs to.
Default gateway		The gateway in a network that the network adapter will use to access all other networks.
Local area connection 2		Any additional local area connections can be renamed to prevent confusion.
IP address		Same as above.
Subnet mask		Same as above.
Default gateway		Same as above.

Configuration Worksheet		
DNS server		A Domain Name System (DNS) server name is required to provide for domain name to IP address resolution.
WINS server		A Windows Internet Naming Service (WINS) server name is required to determine the IP address associated with a particular network computer.
Server Name		
Server name		Assign a unique name to the storage server. This name identifies the storage server on the network.

Running the Rapid Startup Wizard

The Rapid Startup Wizard is only displayed during the initial setup process. This wizard guides you through the configuration process.
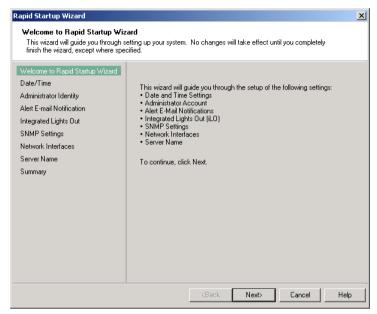
Figure 11 Rapid Startup Wizard

The Rapid Startup Wizard guides you through configuring the following system settings:

- Date, time, and time zone
- Administrator Identity (user name and password)
- Alert e-mail notification
- Integrated Lights-Out (iLO) settings
- Simple Network Management Protocol (SNMP) Settings
- Network Interfaces
- Server Name

For more information about the configuration settings available in the Rapid Startup Wizard, click **Help** to see the corresponding Rapid Startup Wizard online help topic.

5 Complete system configuration

Additional configuration tasks

The physical installation and basic configuration for the HP ProLiant storage server is complete. Additional settings and configuration tasks specific to the storage server role can be found in the *HP ProLiant DL380 G4 Storage Server administration guide* on the HP ProLiant Storage Server Documentation CD.

The HP ProLiant Storage Server administration guide includes:

- Configuring and managing the file server role
- Configuring and managing the print server role
- Other network file and print services
- Microsoft Cluster Service (applicable models only)
- NIC teaming

IMPORTANT:

Perform full system backup using the *HP ProLiant Storage Server System Installation and Recovery DVD* before putting the system into production. See the *HP ProLiant DL380 G4 Storage Server administration guide* for more information.

NOTE:

For DL380 G4 and DL585 storage servers, see the *SAN Connection and Management* white paper located on the Documentation CD for installation and configuration steps related to SAN Connectivity.

Other configuration tasks not found in the *HP ProLiant DL380 G4 Storage Server administration guide* that should be performed include:

- Run Microsoft Update for new critical updates, see "Configuring storage server for Web access (optional)" on page 45.
- Join the storage server to an Active Directory domain or workgroup.

- Create and manage users and groups.
- Adjust logging for system, application and security events.
- Install additional third-party software, such as backup, anti-virus, or monitoring agents.

A Configuring storage server for Web access (optional)

Setting up an Internet connection

Before running Windows 2003 R2 operating system updates, you must set up an Internet connection for the storage server. There are two methods for configuring an Internet connection:

- Internet Explorer to use automatic configuration
- Internet Explorer to use a proxy server

To configure Internet Explorer to use automatic configuration

1. On the **Tools** menu in Internet Explorer, click **Internet Options**, click the **Connections** tab, and then click **LAN Settings**.
2. Under **Automatic Configuration**, click either the **Automatically detect settings** or **Use automatic configuration script** check box.

Figure 12 Automatic configuration settings

3. Click **OK** to close the **LAN Settings** dialog box.
4. Click **OK** again to close the **Internet Options** dialog box.

To configure Internet Explorer to use a proxy server

1. On the **Tools** menu in Internet Explorer, click **Internet Options**, click the **Connections** tab, and then click **LAN Settings**.

2. Under **Proxy server**, click the **Use a proxy server for your LAN** check box.

Figure 13 Proxy server settings

3. In the **Address** box, type the IP address of the proxy server.
4. In the **Port** box, type the port number that is used by the proxy server for client connections (by default, 8080).
5. Click the **Bypass proxy server for local addresses** check box if you do not want the proxy server computer to be used when you connect to a computer on the local network (this may speed up performance).
6. Click **OK** to close the **LAN Settings** dialog box.
7. Click **OK** again to close the **Internet Options** dialog box.

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