

Dell™ OpenManage™ Software

Quick Installation Guide

Notes and Notices



NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



NOTE: A NOTE indicates important information that helps you make better use of your computer.

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The *Dell OpenManage Software Quick Installation Guide* is available in English, French, German, Spanish, Japanese, and Simplified Chinese on the following CDs:

- *Dell Systems Build and Update Utility* CD
- *Dell Systems Console and Agent* CD
- *Dell Systems Service and Diagnostics Tools* CD
- *Dell Systems Documentation* CD

Maximizing the Value of Your Dell System

Use the supplied CDs to quickly get your system up and running. You can obtain consistent, reliable results and ensure trouble-free operation. The CDs provide:

- **Streamlined operating system installation** — Reduces the time required for the installation of Microsoft® Windows®, Red Hat® Enterprise Linux®, and SUSE® Linux Enterprise Server operating systems by guiding you through an easy-to-follow step-by-step process.

- **Setup and configuration** — Provides the necessary tools for setting up and configuring Dell™ systems and software. The tools permit automatic discovery and configuration of Dell-provided RAID controllers and network adapters.
- **Utilities, drivers, and diagnostics** — Allows you to view and create Dell software driver and diagnostic diskettes.
- **Systems Management** — Installs Dell OpenManage™ software applications to help ensure maximum reliability and availability of your systems. These applications provide the tools needed to remotely monitor, diagnose, and update your systems.
- **Documentation** — Allows quick access to available system, systems management software, RAID controller, and peripheral documents in supported languages.



NOTE: To view documentation on systems running Red Hat Enterprise Linux or SUSE Linux Enterprise Server operating systems, launch [index.htm](#) from the appropriate language directory on the *Dell Systems Documentation* CD.

Dell OpenManage Systems Management Software Kit

The Dell OpenManage systems management software kit comprises four CDs. The contents of the CDs are described below.

CD Contents

The systems management software kit includes the following CDs:

- The *Dell Systems Build and Update Utility* CD is a bootable CD that provides the tools you need to configure and deploy your Dell system and install your operating system.
- The *Dell Systems Console and Agent* CD contains the systems management software products including Dell OpenManage Server Administrator. It also contains all the latest Dell systems management console products, including Dell OpenManage IT Assistant, Dell Remote Access Controller Tools, Baseboard Management Controller Management Utility Console (BMC Utilities), and Active Directory Snap-in Utility.

- The *Dell Systems Service and Diagnostics Tools* CD provides the tools you need to configure your system, and delivers the latest diagnostics and Dell-optimized drivers for your system.
- The *Dell Systems Documentation* CD helps you stay up-to-date with documentation for systems, systems management software products, peripherals, and RAID controllers.

Subscription Service Kit Contents

The Dell OpenManage systems management software kit is also available in the form of a subscription service kit. The subscription service kit contains the contents of the Dell systems management software kit in a DVD format. The subscription service kit also contains the *Dell Server Updates* DVD. The *Dell Server Updates* DVD is included only with the subscription service kit and provides newer versions of software for your system through the Dell OpenManage Server Update Utility (SUU) and Dell Update Packages (DUP).

With the exception of the *Dell Systems Documentation* CD, all the CDs and the DVD contain readme files, which provide the latest product information.

Compare the contents of your system accessories box with the packing slip or invoice enclosed with your system. If any components are missing or damaged, call Dell within 30 days of the invoice date for a free replacement. For more information, see "Obtaining Technical Assistance."

Systems Management Software Overview

Dell OpenManage systems management software is a suite of application programs for Dell systems. This software allows you to manage your system with proactive monitoring, notification, and remote access.

Each system that you plan to manage with Dell OpenManage software products is called a *managed system*. *Managed system* applications include Server Administrator and Remote Access Controller (RAC) software.

A *management station* can be used to remotely manage one or more *managed systems* from a central location.



NOTE: Dell OpenManage Array Manager Console (for management station) is available under Windows only if a previous Dell OpenManage management station software (with Array Manager Console installed) is detected. It is available only for upgrade.

Table 1-1 describes the Dell OpenManage suite of products.

Table 1-1. Dell OpenManage Systems Management Software Applications

Function	Software Product	CD	Description
Server setup and operating system installation	Dell Systems Build and Update Utility	<ul style="list-style-type: none">• <i>Dell Systems Build and Update Utility CD</i>	<p>A utility that provides:</p> <ul style="list-style-type: none">• Step-by-step system configuration including RAID controllers and network interfaces• Installation support for Windows, Red Hat Enterprise Linux, and SUSE Linux Enterprise Server operating systems• Dell-optimized device drivers for Dell systems

Table 1-1. Dell OpenManage Systems Management Software Applications (continued)

Function	Software Product	CD	Description
Local system management, including RAID configuration and management	Server Administrator	<ul style="list-style-type: none"> • <i>Dell Systems Console and Agent CD</i> 	<p>A management solution for Dell systems that provides a consolidated and consistent way to monitor, configure, and manage individual Dell systems.</p> <p>Server Administrator provides the following features:</p> <ul style="list-style-type: none"> • Security management • Command line interface (CLI) • Extensive logging • Ability to review and report the configuration and status of a host-based RAID subsystem • Rapid access to detailed fault and performance information that is reported in the user interface • Allows local administration and support for remote administration of the local system

Table 1-1. Dell OpenManage Systems Management Software Applications *(continued)*

Function	Software CD Product	Description
		<ul style="list-style-type: none">• Enhanced features for configuring a system's locally attached RAID and non-RAID disk storage• Storage management information in an integrated graphical view• Status of local and remote storage attached to a monitored system• Support for SAS, SCSI, SATA, and ATA, but not for Fibre Channel• Ability to perform controller and enclosure functions for all supported RAID and non-RAID controllers and enclosures from a single graphical interface or CLI, without the use of the controller BIOS utilities

Table 1-1. Dell OpenManage Systems Management Software Applications *(continued)*

Function	Software CD Product	Description
Local and remote systems management	RAC (iDRAC, DRAC 5, DRAC 4, DRAC III, DRAC III/XT, DRAC/M C, ERA, ERA/O, and ERA/MC)	<ul style="list-style-type: none"> • <i>Dell Systems Console and Agent</i> CD <p>These hardware and software solutions perform the following functions:</p> <ul style="list-style-type: none"> • Help improve the overall availability of Dell systems • Provide remote access to an inoperable system, allowing you to obtain complete control of the local console <p>Remote administration of monitored systems, including BIOS setup, shutdown, start up, and RAC security</p>

Table 1-1. Dell OpenManage Systems Management Software Applications *(continued)*

Function	Software Product	CD	Description
Status and reporting	IT Assistant	<ul style="list-style-type: none"> • <i>Dell Systems Console and Agent CD</i> 	<p>A systems management console program, usually installed on one management station to collect information and provide a view of all managed systems. IT Assistant performs the following functions:</p> <ul style="list-style-type: none"> • Fault monitoring with notification through e-mail or console alerting to keep administrators informed of events reported from disk, memory, voltage, fan, and thermal conditions • Inventory and asset reporting including service tag number, cost of ownership information, and specifics of the BIOS, microprocessors, and memory

Table 1-1. Dell OpenManage Systems Management Software Applications (continued)

Function	Software CD Product	Description
Remote management	RAC Utility	<ul style="list-style-type: none"> <li data-bbox="557 277 917 467">• In-context launch of device-specific tools such as Server Administrator, Remote Access console, Dell PowerConnect™ switch console, Digital KVM console, and Printer console <li data-bbox="391 491 917 545">• <i>Dell Systems Console and Agent CD</i> <p data-bbox="547 491 917 545">This software solution performs the following functions:</p> <ul style="list-style-type: none"> <li data-bbox="557 560 840 615">• Helps improve the overall availability of Dell systems <li data-bbox="557 629 917 742">• Provides remote access to an inoperable system, allowing you to obtain complete control of the local console <li data-bbox="557 757 897 877">• Remote administration of monitored systems, including BIOS setup, shutdown, start up, and RAC security

Table 1-1. Dell OpenManage Systems Management Software Applications *(continued)*

Function	Software Product	CD	Description
	BMC Management Utility	• <i>Dell Systems Console and Agent</i>	A utility that provides remote management and configuration of systems equipped with a baseboard management controller (BMC) using the IPMI protocol.
Management of Dell-specific Microsoft Active Directory® objects	Active Directory Snap-in Utility	• <i>Dell Systems Console and Agent</i>	Provides an extension snap-in to the Microsoft Active Directory. This allows you to manage Dell-specific Active Directory objects. The Dell-specific schema class definitions and their installation are also included on the CD. You can use this option when the Dell-specific schema classes have been added to the Active Directory schema.

Table 1-1. Dell OpenManage Systems Management Software Applications (*continued*)

Function	Software Product	CD	Description
Driver identification and installation to update your system	System Software Extraction Utility	<ul style="list-style-type: none"> • <i>Dell Systems Service and Diagnostics Tools</i> CD 	Delivers the latest Dell-optimized drivers, utilities, and operating system-based diagnostics for your system.
Diagnose the health of your Dell system	Dell Online Diagnostics	<ul style="list-style-type: none"> • <i>Dell Systems Service and Diagnostics Tools</i> CD 	Runs operating system-based diagnostics that monitor and diagnose the health of your Dell system.
Software updates	SUU and DUP	<ul style="list-style-type: none"> • <i>Dell Server Updates</i> DVD This DVD is shipped only with the subscription service kit 	Provides newer versions of drivers, firmware, software for your system through SUU and DUP

Installing Your Operating System Using Dell Systems Build and Update Utility

Perform the following steps to determine if an operating system has been installed on your system:

- 1 Ensure that the keyboard, mouse, and monitor are connected to your system, and turn on your system.
- 2 Read and accept the software license agreement to continue.

If a message appears and states that bootable drives do not exist or that an operating system was not found, then an operating system has not been installed on your system. Have your operating system CD available and continue with the next steps.

If an operating system has been preinstalled on your system, it is not necessary to continue with this process. Locate the operating system's *Installation Instructions* document that was provided with your system and follow those instructions to complete the installation process.

Perform the following steps to install an operating system on your system:

- 1 Insert the *Dell Systems Build and Update Utility* CD and restart your system.

The following options are available during system boot:

- **Dell Systems Build and Update Utility**
Boots from the CD.
- **Optical Media (CD/DVD) Check**
Checks if the CD is created correctly and for the validity of content.
- **Skip Optical Media (CD/DVD) Boot - Boot to Hard Drive**
Boots from the hard drive and verifies if an operating system is installed on your system. If an operating system is not installed, boots from the CD.



NOTE: If you do not select an option within 10 seconds, the system will automatically boot through the CD.

- **DTK Command Line Interface (Linux)**
Launches the command line interface of Dell OpenManage Deployment Toolkit.



NOTE: This option is available only on Linux systems.

- 2 Select **Server OS Installation** on the **Systems Software Manager** main page.
- 3 Follow the step-by-step instructions to configure your hardware and to install your operating system.

For additional information about installing RAID, see the *Getting Started With RAID* guide on the *Dell Systems Documentation* CD.



NOTE: When you use Dell Systems Build and Update Utility to install a supported operating system, Dell Systems Build and Update Utility automatically copies the relevant systems management software installation files onto the system's hard drive and places the **Install Server Administrator** and **Delete Server Administrator Installation Files** icons on the desktop. These icons are created only if you are using the Windows 2000, Windows 2003, and the Red Hat Enterprise Linux operating systems. The icons will not be available on the Windows Server[®] 2008 and the SUSE Linux Enterprise Server operating systems.



NOTE: You can use the **Install Server Administrator** icon to install Server Administrator without the installation CD. On systems running supported Windows operating system, clicking this icon brings up the standard installation interface. On systems running supported Red Hat Enterprise Linux or SUSE Linux Enterprise Server operating system, clicking this icon runs the Server Administrator custom installation script. If you do not want to install Server Administrator, you can remove the installation files by clicking the **Delete Server Administrator Installation Files** icon. After you confirm that you want to continue, all Server Administrator files, including the icons, are removed. The icons will not be available on the Windows Server 2008 and the SUSE Linux Enterprise Server operating systems.



NOTE: After installing the Windows operating system, some hardware configurations with more than 4 GB of physical memory require additional steps to utilize all installed memory completely. For more information on Physical Address Extension (PAE), see:

- www.microsoft.com/windows2000/en/advanced/help/PAE_checklist.htm
- www.microsoft.com/resources/documentation/windowsserv/2003/enterprise/proddocs/en-us/paex86_2.asp
- www.support.microsoft.com/default.aspx?scid=kb;en-us;283037

Installing Systems Management Software on a Managed System




The setup program provides both, a **Typical Setup** option and a **Custom Setup** option. The **Typical Setup** option (recommended) automatically installs all the detected software components that are necessary to manage your system. The **Custom Setup** option enables you to select the software components you want to install. The procedure in this document is based on the **Typical Setup** option. See the *Dell OpenManage Installation and Security User's Guide* for information about **Custom Setup**.



NOTICE: Dell OpenManage Array Manager is no longer supported. If you are upgrading a system (installed with Dell OpenManage version 4.3 or later) with Array Manager installed, Array Manager will be removed during the upgrade process. You can use the Server Administrator Storage Management Service instead.



NOTE: See the *Installation and Security User's Guide* for custom installation and other details. Management station and managed system software can be installed in the same or in different directories. You can select the directory for installation.

-  **NOTE:** For a list of currently supported systems, see the latest *Dell Software Support Matrix* on the *Dell Systems Documentation* CD or the Dell Support website at support.dell.com.
-  **NOTE:** If a 4.2 or earlier version (≥ 3.0) of systems management software is installed on your system, you cannot directly upgrade to version 5.3. To preserve your settings, upgrade to version 4.3 and then upgrade to version 5.3 for the latest software updates. Version 4.3 is available on the Dell Support website at support.dell.com.
-  **NOTE:** Install the SNMP agent on your managed system using your operating system medium before installing the managed system software.

Installing Managed System Software for Supported Microsoft Windows Operating Systems

- 1 Log on with administrator privileges to the system in which you want to install the managed system components. The system must be running a supported Windows operating system.
- 2 Verify that your system has a supported browser installed.

- 3** If you have a RAID controller installed on your system and you plan to install the storage management function, ensure that the device drivers for each RAID controller are also installed.

You can find device drivers on the *Dell Systems Service and Diagnostics Tools* CD. You can verify the device driver under Windows by right-clicking **My Computer**, selecting **Manage**, and then clicking **Device Manager**.

- 4** Insert the *Dell Systems Console and Agent* CD into the CD drive.

The setup program should start automatically. If it does not, click the **Start** button, click **Run**, and then type `x:\autorun.exe` (where `x` is the drive letter of your CD drive).

The **Dell OpenManage Install** autorun menu is displayed.

- 5 Select the **Dell OpenManage Server Administrator** option and click **Install**.

The **Dell OpenManage Server Administrator** prerequisite status screen is displayed and runs the prerequisite checks for the managed system. Relevant informational, warning, or error messages, if any, are displayed. Resolve all error and warning situations.

- 6 Click the **Install, Modify, Repair, or Remove Server Administrator** button.
- 7 Click **Next** on the **Welcome** screen.
- 8 Accept the License Agreement and click **Next**.
- 9 Select **Typical** and click **Next**.
- 10 Click **Install** to proceed through the installation process.
The setup program automatically installs all of the managed system software for your hardware configuration.
- 11 When the installation is complete, click **Finish** and restart your system if prompted before using the software.

Installing Managed System Software for Supported Red Hat Enterprise Linux Operating Systems or SUSE Linux Enterprise Server Operating Systems

- 1 Log on as `root` to the system in which you want to install the managed system components. The system must be running a supported Red Hat Enterprise Linux or SUSE Linux Enterprise Server operating system.
- 2 Insert the *Dell Systems Console and Agent* CD into the CD drive.
- 3 If necessary, mount the CD to a desired location using the `mount` command or a similar command.



NOTE: On the Red Hat Enterprise Linux 5 operating system, CDs are auto-mounted with the `-noexec` mount option. This option does not allow you to run any executable from the CD. You need to manually mount the CD-ROM and then run executables.

- 4 If you are using the CD, navigate to the `srvadmin/linux/supportscripts` directory from the mounted location. Execute the `srvadmin-install.sh` script as follows:

```
sh srvadmin-install.sh --express
```

or

```
sh srvadmin-install.sh -x
```

The script installs the typical software suite for your system configuration.



NOTE: You can log the output of the RPM installation by adding `2>&1 | tee -a /var/log/srvadmin.log` to the above shell script execution. The resulting command would be `sh srvadmin-install.sh 2>&1|tee -a /var/log/srvadmin.log`

- 5 Start the Server Administrator services with the `sh srvadmin-services.sh start` command.

Using Dell OpenManage on VMware ESX Server Software

Dell OpenManage installation with VMware[®] ESX Server[™] software requires special steps. These steps vary depending on the Dell OpenManage version and ESX Server version; and only a limited number of combinations are supported. See the *VMware Systems Compatibility Guide* and the *VMware ESX Server Deployment Guide* located in the Resource Center at www.dell.com/vmware for details. Instructions for installing supported versions of Dell OpenManage can be found in the *ESX Server Deployment Guide*.

Installing Systems Management Software on a Management Station

The **Typical** installation installs IT Assistant, DRAC tools, and BMC. To choose the software components for installation or to install other features such as the Active Directory Snap-in Utility, see the **Custom** installation section of the *Installation and Security User's Guide*.

For a list of Dell systems and supported operating systems that the management station applications run on, see the *Dell Software Support Matrix* on the *Dell Systems Documentation* CD or the Dell Support website at support.dell.com.



NOTE: Management station and managed system software can be installed in the same directory or in different directories. You can select the directory for installation.



NOTE: Only DRAC tools and the BMC Management Utility are supported for Red Hat Enterprise Linux operating systems and SUSE Linux Enterprise Server operating systems.

Installing Management Station Software on Microsoft Windows Operating Systems



NOTE: IT Assistant is not a supported feature for the x64 editions of both Windows Server 2003 Standard and Windows Server 2003 Enterprise Editions.



NOTE: IT Assistant installation is not supported on systems with systems management software prior to version 4.3. If version 4.2 or an earlier version (≥ 3.0) of the systems management software is installed on your system, you cannot directly upgrade to version 5.3. To preserve your settings, upgrade to version 4.3, and then upgrade to version 5.3 for the latest software updates. Version 4.3 is available on the Dell Support website at support.dell.com.



NOTE: In the absence of a supported database on your system, a fresh installation of IT Assistant 8.x and later prompts you to install Microsoft SQL Server 2005 Express Edition. SQL Server 2005 Express Edition can be installed using the *Dell Systems Console and Agent* CD before installing the management station software. However, IT Assistant works with Microsoft SQL Server 2000 Desktop Engine (MSDE 2000) or SQL Server 2000, if it is already installed on your system. If you are upgrading from IT Assistant 7.x to 8.x and later, you can use the existing MSDE 2000 or SQL Server 2000. For more information, see the *IT Assistant User's Guide*.

To install applications onto the management station, perform the following steps:

- 1 Log on with administrator privileges to the system where you want to install the management station applications.
- 2 Insert the *Dell Systems Console and Agent* CD into the CD drive.

The setup program should start automatically. If it does not, click the **Start** button, click **Run**, and then type `x:\autorun.exe` (where `x` is the drive letter of your CD drive).

The **Dell OpenManage Install** autorun menu is displayed.

- 3 Select the **Dell OpenManage Management Station** option and click **Install**.

The **Dell OpenManage Management Station** prerequisite status screen is displayed and runs the prerequisite checks for the management station. Relevant informational, warning, or error messages, if any, are displayed. Resolve all error and warning situations.



NOTE: In the absence of a supported database, prerequisite checker provides a link to install SQL Server 2005 Express Edition. Click the link to install the database. If you choose to proceed without installing the database, IT Assistant will not be installed.

- 4 Click the **Install, Modify, Repair, or Remove Management Station** button.

Microsoft Windows Installer is launched and the **Welcome** screen is displayed.

- 5 Click **Next**.

The **License Agreement** screen is displayed.

- 6 Select **I Accept** and click **Next**.

The **Setup Type** screen is displayed.

- 7 Select **Typical** and click **Next**.

The **Ready To Install** screen is displayed.

- 8 Click **Install** to accept the selected features and begin installation.

The **Installing Dell OpenManage Management Station** screen is displayed. Messages are displayed, indicating the status and progress of the software components being installed.

When the selected components are installed, the **Install Wizard Completed** dialog box is displayed.

- 9 Click **Finish** to exit the **Dell OpenManage Management Station** installation.

Installing Management Station Software for Supported Red Hat Enterprise Linux Operating Systems or SUSE Linux Enterprise Server Operating Systems

The BMC Management Utility (BMU) and the RAC components of the management station suite of software can be used on a management station running the supported Red Hat Enterprise Linux or the SUSE Linux Enterprise Server operating system.

To install BMU on the management station, perform the following steps to launch the installation program:

- 1 Log on as `root` to the system where you want to install the management station components.

- 2 If necessary, mount the *Dell Systems Console and Agent* CD to a desired location using the `mount` or a similar command.



NOTE: On the Red Hat Enterprise Linux 5 operating system, CDs are auto-mounted with the `-noexec` mount option. This option does not allow you to run any executable from the CD. You need to manually mount the CD-ROM and then run executables.

- 3 Navigate to the `managementstation/linux/bmc` directory from the mounted location. Install the BMC software using the RPM commands specific to the operating system:
 - For systems running Red Hat Enterprise Linux, use:
`rpm -ivh osabmcutil*-RHEL-*.rpm`
 - For systems running SUSE Linux Enterprise Server, use:
`rpm -ivh osabmcutil*-SUSE-*.rpm`

To install the `ipmitool` BMC Management Utility, navigate to the operating system sub-directory under `ManagementStation/linux/bmc/ipmitool` or `SYSMGMT/ManagementStation/linux/bmc/ipmitool` corresponding to your operating system and execute the `rpm -ivh *.rpm` command.

To install the RAC Management Station component, perform the following steps to launch the installation program:

- 1 Log on as `root` to the system where you want to install the management station components.
- 2 If necessary, mount the *Dell Systems Console and Agent* CD to a desired location using the `mount` or a similar command.



NOTE: On the Red Hat Enterprise Linux 5 operating system, CDs are auto-mounted with the `-noexec` mount option. This option does not allow you to run any executable from the CD. You need to manually mount the CD-ROM and then run executables.

- 3 Navigate to the `managementstation/linux/rac` directory from the mounted location and execute the `rpm -ivh *.rpm` command.

Updating Drivers and Utilities

The *Dell Systems Service and Diagnostics Tools* CD contains device drivers and utilities that you can use to update your system. You must copy the drivers and utilities to either a diskette or to your system's hard drive to use them.

Download the latest product updates, such as drivers and Dell OpenManage applications, from the Dell Support website at support.dell.com.



NOTE: You can run the *Dell Systems Service and Diagnostics Tools* CD only on systems running the Windows operating system. To extract drivers for systems that are running Red Hat Enterprise Linux or SUSE Linux Enterprise Server operating systems, use the *Dell Systems Service and Diagnostics Tools* CD on a system running Windows and then copy or share the selected files to the final destination system.

- 1 Insert the *Dell Systems Service and Diagnostics Tools* CD into the CD drive on a system running Windows.

The setup program should start automatically. If it does not, click the **Start** button, click **Run**, and then type `x:\setup.exe` (where x is the drive letter of your CD drive).

- 2 Select the system, and from the **Select Drivers/Utilities Set**, select the file set that you want to update, and then click **Continue**.

- 3 From the **Drivers and Utilities** page, select the utility or driver file that you want to update by clicking the link for the device name.

The system prompts you for a location in which to save the file. Files are delivered in compressed format. Firmware files normally require diskettes for the extraction.

- 4 Decompress the file.

See the *Dell OpenManage Server Administrator Compatibility Guide* for additional information about drivers and Dell OpenManage application versions.

The *Dell Server Updates* DVD ships only with the Subscription Kit and provides newer versions of firmware, drivers, and software for your system through SUU and DUP.

- 1 Log on with administrator privileges to the system where you want to install the management station applications.
- 2 Insert the *Dell Server Updates* DVD on a system running the Windows, Red Hat Enterprise Linux, or SUSE Linux Enterprise Server operating system.

- 3 SUU should start automatically. If it does not, click the **Start** button, click **Run**, type `cmd`, and press **<Enter>**. When the command prompt appears, change directory to the root of the DVD drive. Type `suu -g` (for graphical mode) or `suu -h` (to display help options).



NOTE: On Red Hat Enterprise Linux or SUSE Linux Enterprise Server operating system, the `-g` (graphical mode) option can only be used from the X Window system.

- 4 If the GUI initialization fails, install the latest version of OpenIPMI driver. Type `suu -g -installIPMI` to install the latest version of `OpenIPMIdriver`.



NOTE: The Server Administrator Instrumentation Service of Server Administrator requires a minimum version of the OpenIPMI device driver in order to provide IPMI-based information and functionality. The minimum version required is defined based on the operating system. See the *Installation and Security User's Guide* for more information.

- 5 To view a repository comparison on the GUI, click your system's host name displayed in the tree to the left. SUU compares what is on your system with the versions of components available in its Repository. For every component on your system that is current with the version in the SUU Repository, SUU reports a green checkmark icon. For any component on your system that is outdated and can be upgraded using SUU, a green up arrow icon displays. If updatable components are found, an **Update** button is enabled in the upper right corner of the screen.
- 6 Click **Update** to apply all updates that are listed for your system. You cannot selectively apply updates. SUU presents a dialog box asking for confirmation that you want to update the listed components. Click **Yes** to continue.
- 7 The **Update Success** window appears, confirming successful update for SUU and DUP, and may prompt you to reboot your system to complete the update.



NOTE: When you click **Update** in SUU, SUU determines the DUPs applicable to your system and installs them automatically.

See the *Dell OpenManage Server Update Utility User's Guide* for additional information.

Security Patches and Hotfixes

It is strongly recommended that you download and install the latest security patches, hotfixes, and service or support packs for your operating system immediately after installation. Downloads for your operating system are available at www.microsoft.com, www.redhat.com, or www.novell.com.

Obtaining Technical Assistance

Before contacting Dell for technical assistance, see the Dell Support website at support.dell.com. If you need additional technical support, see "Getting Help" in your system's *Hardware Owner's Manual* for country- or region-specific information about contacting Dell by using telephone, fax, and Internet services.

Antes de entrar em contato com a Dell para obter assistência técnica, consulte o site de suporte na Web: **support.dell.com**. Você precisará do número da sua etiqueta de serviço para identificação de seu equipamento. Caso necessite de suporte técnico adicional, é fornecida assistência técnica para hardware ao proprietário original do equipamento. Esse serviço está disponível de segunda a sexta-feira, das 7 às 19:00h, em português. Telefone: 0800-90-3355.

For Dell Enterprise Training and Certification programs, see **www.dell.com/training**. This service may not be offered in all locations.