

# Upgrading to Microsoft Windows Server 2003 SP1 and Dell OpenManage 4.4

The Dell™ OpenManage™ suite enables IT administrators to manage supported Dell PowerEdge™ servers with proactive monitoring, diagnosis, notification, and remote access capabilities. The Dell OpenManage 4.4 release introduces support for Microsoft® Windows Server™ 2003 Service Pack 1 (SP1). Administrators can use a single reboot to upgrade to Dell OpenManage 4.4<sup>1</sup> and install Windows Server 2003 SP1 on multiple systems—a productivity-enhancing capability, particularly when upgrading hundreds of servers across an enterprise environment.

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The Dell OpenManage systems management software suite provides proactive monitoring, diagnosis, notification, and remote access capabilities for managing Dell PowerEdge servers. Dell OpenManage 4.4 is the first release of Dell OpenManage software to support Service Pack 1 (SP1) for the Microsoft Windows Server 2003 OS.<sup>2</sup> IT organizations with systems running the initial release of Windows Server 2003 and Dell OpenManage 4.3 (or earlier) can upgrade to Dell OpenManage 4.4 and Windows Server 2003 SP1 with only a single reboot. This article explains how to implement the single-reboot upgrade in enterprise environments with multiple servers.

Starting with Dell OpenManage 4.3, the installer for Dell OpenManage systems management software uses the native Microsoft Windows® Installer service. Dell OpenManage 4.3 supports upgrades from Dell OpenManage 4.2 or earlier. However, Dell OpenManage 4.4 supports upgrades only from Dell OpenManage 4.3. For this reason, systems running older versions of Dell OpenManage must be upgraded to version 4.3 and then upgraded to version 4.4.

There is no supported upgrade path for versions prior to Dell OpenManage 3.0. For systems running such versions, administrators must uninstall the old version of Dell OpenManage, reboot the server, install Dell

<sup>1</sup> The upgrade information provided in this article also applies to Dell OpenManage 4.5. Administrators can simply upgrade to version 4.5 using the same instructions as those provided for version 4.4.

<sup>2</sup> For more information about Windows Server 2003 SP1 and its general deployment, see "Guide to Deploying Microsoft Windows Server 2003 Service Pack 1 on Dell PowerEdge Servers" by Min-John Lee, Scott M. Callaway, and Jeff Ferris in *Dell Power Solutions*, May 2005; [www.dell.com/downloads/global/power/ps2q05-20050113-Callaway.pdf](http://www.dell.com/downloads/global/power/ps2q05-20050113-Callaway.pdf). For more information about Dell OpenManage systems management software, visit [www.dell.com/openmanage](http://www.dell.com/openmanage).

OpenManage 4.4, upgrade to Windows Server 2003 SP1, and then reboot again. This article focuses on upgrades from Dell OpenManage 3.0 or later. Figure 1 shows the steps for upgrading a Windows Server 2003-based system running Dell OpenManage software.

### Distinguishing between .msi and .msp files

A software application that has been installed using Microsoft Windows Installer can be upgraded either by installing an updated Windows Installer installation package (.msi file) or by applying a Windows Installer patch (.msp file). A Windows Installer patch is a self-contained package that contains the specific versions of the application that can receive the patch and the corresponding differences between the versions. A Windows Installer patch is much smaller in size than an installation package and, in general, more efficient to deploy.

Beginning with Dell OpenManage 4.4 and each subsequent minor Dell OpenManage release, a Windows Installer patch is available along with the full Windows Installer installation package. For future major releases, Dell plans to make only the full Windows Installer

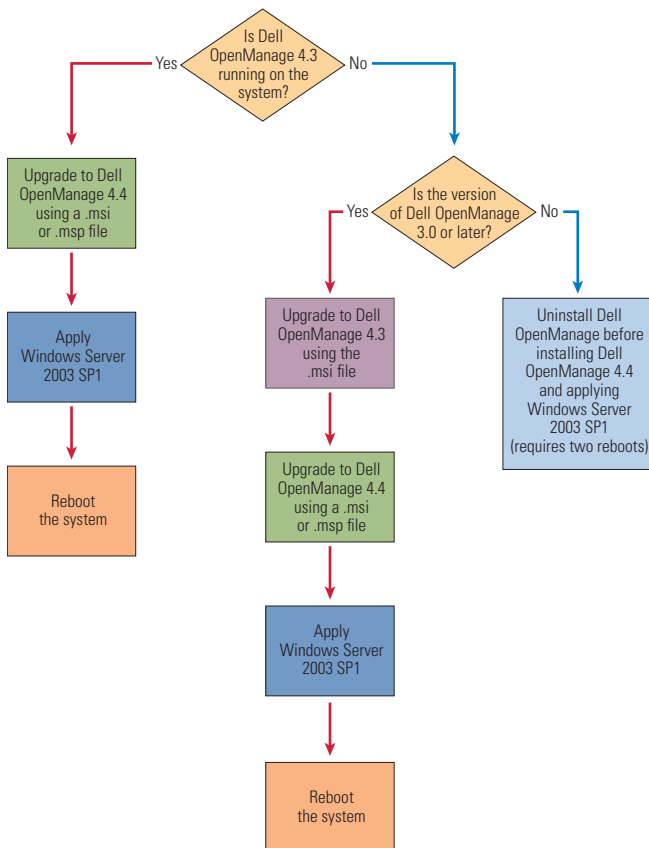


Figure 1. Process for upgrading a Dell PowerEdge server running Dell OpenManage software (version 3.0 to 4.3) and Windows Server 2003 to Dell OpenManage 4.4 and Windows Server 2003 SP1

package available; Windows Installer patches are not available for major Dell OpenManage releases. The update process presented in this article is designed to apply to subsequent versions of Dell OpenManage, including the upcoming release of Dell OpenManage 5.0. Because version 5.0 is a major release, it will not have a service pack .msp file to support upgrades, and administrators must upgrade to this version through the full installation .msi file.

### Understanding the update process for Windows Server 2003 SP1 and Dell OpenManage 4.4

The following steps should be taken to upgrade systems running versions 3.0 through 4.2 of Dell OpenManage to Dell OpenManage 4.4 and Windows Server 2003 SP1 with a single reboot. For detailed installation instructions, see the *Dell OpenManage Installation and Security User's Guide* available on the Dell PowerEdge Installation and Server Management CD.

**Step 1: Upgrade to Dell OpenManage 4.3.** Dell OpenManage 4.3 is available on the Dell PowerEdge Installation and Server Management CD as well as on the Dell support Web site (support.dell.com). Using an interactive installation, administrators should upgrade to Dell OpenManage 4.3. If the installer asks to reboot at the end of the installation, administrators should select "No." Administrators who wish to perform this upgrade silently or from within a script can enter the following command:

```
msiexec /i SysMgmt.msi Reboot=ReallySuppress /qn
```

**Step 2: Upgrade to Dell OpenManage 4.4.** To upgrade to Dell OpenManage 4.4, administrators should use the Systems Management 4.4 service pack file (OMI-SysMgmt440-32.msp), which is available on the Dell support Web site, or the full installation package, which is available on the Dell PowerEdge Installation and Server Management CD and on the Dell support Web site. If the installer asks to reboot at the end of the installation, administrators should select "No." Administrators who wish to upgrade silently or from within a script can use one of the following commands, depending on whether they are using a service pack or a full installation package. To upgrade to Dell OpenManage 4.4 using a service pack, administrators should enter the following command:

```
msiexec /p OMI-SysMgmt440-32.msp
Reboot=ReallySuppress /qn
```

To upgrade to Dell OpenManage 4.4 using a full installation package, administrators should enter the following command:

```
msiexec /i SysMgmt.msi REINSTALL=ALL
REINSTALLMODE=vomus Reboot=ReallySuppress /qn
```

**Step 3: Install Windows Server 2003 Service Pack 1.** To upgrade the OS to Windows Server 2003 SP1, administrators should use the Windows Server 2003 Service Pack 1 update package from Microsoft.

**Step 4: Reboot the system.** After applying the SP1 update from Microsoft, administrators can reboot the system. A key benefit of upgrading to Dell OpenManage 4.3 before upgrading to Dell OpenManage 4.4 is that all Dell OpenManage Server Administrator settings established in the previous version (any version from 3.0 to 4.2) are preserved.

### Upgrading a system running Dell OpenManage 4.3

To upgrade systems running Dell OpenManage 4.3 to Dell OpenManage 4.4 and Windows Server 2003 SP1 with a single reboot, administrators should follow steps 2 through 4 as outlined in the preceding section. For detailed installation instructions, see the *Dell OpenManage Installation and Security User's Guide* available on the Dell PowerEdge Installation and Server Management CD.

### Streamlining Dell OpenManage upgrades across the enterprise

Administrators can upgrade a Dell PowerEdge server running Dell OpenManage software (version 3.0 to 4.3) and Windows Server 2003 to Dell OpenManage 4.4 and Windows Server 2003 Service Pack 1 with a single reboot—helping to streamline the update

process across enterprise IT environments with numerous servers. The update process presented in this article provides guidelines for upgrading from several Dell OpenManage versions prior to version 4.4. These guidelines are also designed to apply to upgrades to future versions of Dell OpenManage beyond version 4.4. [↗](#)

### References

Lee, Min-John, Scott M. Callaway, and Jeff Ferris. "Guide to Deploying Microsoft Windows Server 2003 Service Pack 1 on Dell PowerEdge Servers." *Dell Power Solutions*, May 2005. [www.dell.com/downloads/global/power/ps2q05-20050113-Callaway.pdf](http://www.dell.com/downloads/global/power/ps2q05-20050113-Callaway.pdf).

*Dell OpenManage Installation and Security User's Guide*, support.dell.com/support/edocs/software/smsom/4.4/en/ug/index.htm?c=us&l=en&cs=&s=gen.

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