

DELL(TM) OPENMANAGE(TM) SERVER UPDATE UTILITY 6.4 README
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This readme provides information for Dell OpenManage Server Update Utility version 6.4.

Release Date December 2010.

This file also contains updated information for your "Dell OpenManage Server Update Utility User's Guide" and any other technical documentation that is included with Server Update Utility (SUU).

See the Dell Support website located at "support.dell.com" for more information and to download the latest version of SUU.

Note: For information on Dell Update Packages (DUP), see the DUP Readme files present on the SUU DVD.

This file contains the following sections:

- * Criticality
- * Important Information
- * Compatibility/Minimum Requirements
- * Release Highlights
- * Installation
- * User Notes
- * Known Issues

CRITICALITY
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3 - Optional

It is recommended that you review the update procedure to determine if it applies to your system. The update contains changes that may impact only certain configurations, or provides new features that may/may not apply to your environment.

IMPORTANT INFORMATION
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Linux-formatted OS Driver packs for Dell Update Packages (DUPs) are no longer available on the SUU DVD. However, the Windows-formatted OS Driver packs are retained. If you are running Lifecycle Controller version 1.3 and intend to use the SUU DVD repository to update the OS Driver pack, update to Lifecycle Controller 1.4 (which supports Windows-formatted OS Driver packs). After you update the Lifecycle Controller, the OS Driver Pack is available.

Note: Linux-formatted Driver packs are available at "support.dell.com"

COMPATIBILITY/MINIMUM REQUIREMENTS
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This section provides information about the minimum requirements for SUU 6.4.

SUPPORTED OPERATING SYSTEMS

Microsoft Windows Operating Systems

- * Microsoft(R) Windows Server(R) 2003 R2 Web, Standard and Enterprise Editions with SP2 (32-bit x86)
- * Microsoft Windows Server 2003 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2
- * Microsoft Windows Server 2008 R2 Standard, Enterprise, and Datacenter x64 Editions with SP2
- * Microsoft Windows Small Business Server 2003 Standard and Premium Editions with SP2
- * Microsoft Windows Server 2008 Core Standard, Enterprise, and Datacenter Editions (x64) with SP2
- * Microsoft Windows Essential Business Server 2008 Standard and Premium Editions (x64) with SP1
- * Microsoft Windows Small Business Server 2003 Standard and Premium Editions with SP2
- * Microsoft Windows Small Business Server 2008 Standard and Premium Editions with SP2
- * Microsoft Windows Storage Server 2008 R2 Express, Workgroup, Standard, and Enterprise Editions
- * Microsoft Windows Server 2003 R2 Compute Cluster Edition and Microsoft Windows Server 2008 R2 HPC Edition

Virtualization Operating Systems:

Microsoft Hyper-V Server
Microsoft Hyper-V R2 Server

Linux Operating Systems

- * SUSE(R) Linux Enterprise Server 11 SP1
- * SUSE Linux Enterprise Server 10 SP3
- * Red Hat(R) Enterprise Linux(R) 6 server
- * Red Hat(R) Enterprise Linux(R) 5 server (Update 5)

Virtualization Operating Systems:

VMware(R) ESX Version 4.1
VMware(R) ESX Version 4.0 U2
XenServer(R) 5.6

See the 'Dell Systems Software Support Matrix' for the latest list of supported Dell PowerEdge systems and operating systems. The 'Dell Systems Software Support Matrix' is available on the Dell Support website at "support.dell.com/manuals."

SUPPORTED WEB BROWSERS

SUU 6.4 supports the following Web browsers:

- * Internet Explorer 8.0, Internet Explorer 7.0,
Internet Explorer 6.0 with SP2, and Mozilla(R)
Firefox(R) 3.0 for Windows 2003 Professional
- * Internet Explorer 8.0, Internet Explorer 7.0,
Mozilla Firefox 3.0 for Windows Server 2008 Professional
- * Internet Explorer 6.0 with SP2
- * Internet Explorer 7.0
- * Internet Explorer 8.0
- * Mozilla Firefox 3.0 and Mozilla Firefox 2.0 for :
 - SUSE Linux Enterprise Server 10 SP3
 - SUSE Linux Enterprise Server 11 SP1
- * Mozilla Firefox 3.0
 - Red Hat Enterprise Linux Version 5.5
 - Red Hat Enterprise Linux Version 6.0

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SUPPORTED SYSTEMS

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SUU 6.4 supports the following PowerEdge systems running the supported Linux and Windows operating systems:

PER710, PER610, PET610, PET710, PER410, PEM710, PEM610, PET410, PER810,
PER510, PET310, PET110, PER910, PER210, PER815, PER310, PEM910, PER715,
PEM610x, PER515, PER415, PEM710HD,

PE800, PE850, PE830, PE860, PE840, PEM605, PER200, PEM600, PER900, PET105,
PER805, PER905, PET605, PER300, PET300, PET100, PEM905, PEM805,

PE6950, PE1955, PE2950, PE1950, PE2900, PE1900, PE2970,

PE6800, PE6850, PE2850, PE1800, PE800, PE1850, PE2800, PE1855,
PESC1425,PESC1435

SUU 6.4 supports the following Dell PowerVault(TM) systems running the supported Linux and Windows operating system:

NX1950 ,DP500/NF500, DP100/NF100, DP600/NF600, DL2000, NX3000,
DL2100,NX300, NX3100,DL2200,NX200

Note: Other systems and operating systems may be supported in this release. See the 'Dell Systems Software Support Matrix' for the latest list of supported PowerEdge systems and operating systems. The 'Dell Systems Software Support Matrix' is available on the Dell Support website at "support.dell.com/manuals."

Note: Running SUU 6.4 on an unsupported system launches Repository Manager.

RELEASE HIGHLIGHTS
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Added support to the following systems

PER515, PER415, PEM610x, PEM710HD

Note: For a detailed table of supported Dell systems and operating systems, see the 'Dell Systems Software Support Matrix' available on the Dell Support website at "support.dell.com/manuals."

INSTALLATION
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SUU is a stand-alone application that runs directly from a DVD. For more information on installing SUU, see the "Dell OpenManage Server Update Utility User's Guide."

Note: Only users with administrator (Microsoft Windows) or root (Linux) privileges can perform updates with SUU.

USER NOTES
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This section provides information to help enhance your experience with SUU in specific implementations and environments.

- * If you launch SUU from a command shell and then press <Ctrl><c>, the SUU procedure, as well as any running updates, will terminate. (137862)
- * When you launch SUU, the utility inventories the targeted system. Depending on the system configuration, this process may take several minutes to complete. (138439)
- * The figures and examples in the "Dell OpenManage Server Update Utility User's Guide" are used as examples only and may not be identical to the SUU GUI. (137294, 136624)
- * When you verify the SUU return codes, use the operating system-specific commands to view the exit codes. (137296)

For example:

Microsoft Windows: echo %ERRORLEVEL%

Red Hat Enterprise Linux: echo \$?

- * SUU repository carries OS driver packs used by USC. But users cannot use SUU application to update the OS driver packs.

KNOWN ISSUES
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This section provides information about known issues with this release of SUU.

- * If your CERC ATA RAID controllers are configured with the H661 firmware, SUU cannot update the firmware to the latest version. To update the firmware, use the "-force" option to manually apply the DUP with the latest firmware version. (134775)
- * When updating multiple, identical devices on the same system, SUU applies the latest update to all instances of all devices. For example, if your system is configured with three controllers configured with firmware/driver versions 1.2, 1.3, and 1.4, and the repository version is 1.4, SUU applies version 1.4 to all instances of all devices. (136620)
- * When you run SUU using the "-p" option, SUU reports the current instance log location ("suu -p") instead of the SUU instance log location ("suu -u") that is performing the update. (135925)
- * SUU uses DUPs to update various system components. During a Red Hat Enterprise Linux update, the DUPs create a "/var/lock/.spsetup" file using the Linux lockfile utility during the initial execution procedure. Kernel panics or sudden reboots during DUP execution (reboots where TERM signals are not sent to running processes or where running processes do not have time to catch these signals) can generate a "/var/lock/.spsetup" lock file that cannot be deleted. SUU reports the update as successful and prompts you to reboot the system. When you run SUU again on the same system, the comparison reports no change in device status. If this situation occurs and no update is in progress, remove "/var/lock/.spsetup" before running another update on the system. (137287)
- * If a NIC teaming application is installed on the system, SUU updates the NIC base driver only if the driver is compatible with the teaming application. To verify driver compatibility, run DUP on the system to update the driver and read the generated messages.(138648)
- * Devices that are disabled in the operating system are not inventoried or updated by SUU. To update or inventory these devices, enable the devices in the operating system and then relaunch SUU. (142111)
- * Do not use the RAC virtual media to run SUU remotely on a system. This procedure breaks the virtual media connection, causing the SUU update procedure to fail. (144487)
- * SUU fails if it is run from a pathname that contains special characters. For example, ".,:/\,\$", etc. It is recommended to use a directory name without any special characters for running SUU. As an example, a case where you can get directory name with special characters is:

In the SUSE Linux Enterprise Server operating system, when a USB DVD-ROM or USB disk is attached, it may by default, mount to a directory name that contains special characters. For example, /media/USB:1:2/ (42279)
- * If a RAC DUP package (RAC 4/P or RAC 4/i) is running and SUU is

started, the RAC package may fail. To resolve this issue, run SUU only after the RAC package has completed execution. (23184)

* In Linux, if there is not enough space in the var partition or tmp folder, SUU displays the following error message:
"Not enough space available in the /var or /tmp folder. Please ensure you have atleast 100MB."
Ensure that you have sufficient space in the var partition or tmp folder and restart SUU to start the system inventory. (66118)

* In some cases where the latest Intel NIC driver (Intel(R) PRO PCIE Gigabit Family of Adapters 9.5, base driver version 9.6.31.0) is installed as part of Dell Systems Build and Update Utility (SBUU) install, SUU may not be able to inventory the respective NIC. This may happen because SBUU would not have installed the umbrella software. In these cases, install the umbrella with the umbrella installer (available at support.dell.com or in the SERVICE directory on the Dell Systems Management Tools and Documentation DVD) to get the Intel NIC inventoried by SUU (DF130363).

* SUU may fail to launch on Xenserver 5.6 if the lockfile dependency is not met. To fix this issue, install the procmail rpm:
procmail-3.22-17.1.el5.centos.i386.rpm

* When you try to execute SUU on a 64-bit RHEL operating system, it fails to execute since SUU is a 32-bit application. To work around this issue, manually install the following RPMs:

procmail
glibc.i686
compat-libstdc++.i686
libstdc++.i686
zlib.i686
libxml2.i686
libXp.i686
libXtst.i686
ncurses-libs
pam.i686

* If you use a Microsoft Windows Server 2003 operating system platform, you require .Net Framework 2.0 to run Dell_PV_Utills_NASDUP.exe. If .Net Framework 2.0 is not installed, 0xc0000135 error code may be encountered.

* If you login to a system running on Microsoft Windows Small Business Server 2008 operating system, by default you are logged in as a regular user even though you may have Administrator privileges. This is due to an in-built feature called User Account Control (UAC) that automatically reduces the potential of security breaches. Before you run SUU on your system, elevate the privileges for administrators using Windows security options in Group Policy Editor. For more information, see the SUU User Guide.

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