

**DELL OPENMANAGE  
SERVER UPDATE  
UTILITY**

**16.06.00 (32-bit)**

**Release Notes**



# Release Type and Definition

This release notes provides information for Dell OpenManage Server Update Utility for Dell's 10<sup>th</sup> generation of PowerEdge servers to Dell's 13<sup>th</sup> generation of PowerEdge servers.

The Dell OpenManage Server Update Utility has four ISOs : for Dell's 12<sup>th</sup> and 13<sup>th</sup> generation of PowerEdge servers for 64-bit operating systems (Microsoft Windows and Linux separate) and for platforms from Dell's 10<sup>th</sup> generation of PowerEdge servers till Dell's 13<sup>th</sup> generation of PowerEdge servers for 32-bit operating systems (Microsoft Windows and Linux separate).

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 "dell.com/openmanagemanuals" for more information and to download the latest version of SUU.

Note: For information on Dell Update Packages (DUP), see the DUP Release notes files present on the SUU ISO.

## **Version:**

16.06.00

## **Release Date:**

June, 2016

## **Previous Version**

16.04.00

# Importance

**RECOMMENDED:** It is recommended to apply this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep the system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

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.

# What's New

- Support for Red Hat Enterprise Linux 7.2 (64 – bit)

**NOTE:** SUU support is available for Dell OpenManage Server Administrator 8.1 on Dell's 10th generation of PowerEdge servers and later generations.

# What is Supported

## SUPPORTED OPERATING SYSTEMS

### Microsoft Windows Operating Systems

- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012, Essentials, Enterprise, Datacenter and Foundation x64 editions
- Microsoft Windows Server 2008 R2 Foundation, Standard, Enterprise, and Datacenter and Web x64 editions with SP1
- Microsoft Windows Server 2008 Foundation, Standard, Enterprise, and Datacenter and Web x86 and x64 editions with SP2

### Virtualization Operating Systems

- Microsoft Hyper-V R2 Server

### Linux Operating Systems

- SUSE Linux Enterprise Server 11 SP4 x64
- SUSE Linux Enterprise Server 12 SP1 x64
- Red Hat Enterprise Linux 6 update 7 x64
- Red Hat Enterprise Linux 7 update 2 x64

### Virtualization Operating Systems:

- Citrix XenServer v6.5

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 at "[dell.com/openmanagemanuals](http://dell.com/openmanagemanuals)."

## SUPPORTED WEB BROWSERS

SUU 16.06.00 supports the following Web browsers:

- Internet Explorer 11.0, 10.0 and 9.0
- Mozilla Firefox 12.0, 11.0 and 10.0

## Platform(s) Affected

SUU 16.06.00 supports the following PowerEdge systems running the supported Linux and Windows operating systems:

M600,M605,M805,M905,R200,R300,R805,R900,R905,T100,T105,T300,T605  
M420,M520,M610,M610x,M620,M710,M710HD,M820,M910,M915,  
R210,R210 II,R220,R310,R320,R410,R415,R420,R510,R515,R520,R610,R620,  
R710,R715,R720,R720xd,R810,R815,R820,R910,R920,FM120  
R730,R730xd,T530,R630,M630,R530,R430,T430,FC630,C4130,FC430,FC830,M830  
T110,T110 II,T310,T320,T410,T420,T610,T620,T710  
R530XD, R930, R330, R230, T130, T130, C6320, DSS1500, DSS1510, DSS2500

SUU supports the following Dell VRTX systems running the supported Linux and Windows operating system:

M520, M620, M820, M630, M830

SUU supports the following Dell PowerVault systems running the supported Windows operating system:  
NX1950,DP500/ NF500, NX300,DL2000,DP100/ NF100,DP600/NF600,NX3000,DL2100,NX3100,DL2200,  
NX3500,NX200, NX400, NX3200 and NX3300.

SUU supports the following EqualLogic systems running the supported Linux and Windows operating system:

DX6004S, DX6012S, DX6000G, FS7500, DX6000

## Important Notes

DUPs for Dell Lifecycle Controller OS Driver packs are no longer available on the Dell OpenManage Server Update ISO. You can find them on Dell Lifecycle Controller OS Driver Packs ISO.

The below information helps enhance your experience with SUU in specific implementations and environments.

- SUU supports Integrated Dell Remote Access Controller (iDRAC) Service Module 2.2.  
NOTE: iDRAC Service Module is supported on all Dell's 12th and 13<sup>th</sup> generation of PowerEdge servers (64-bit operating system) with iDRAC version later than 2.10.10.10.
- 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, depending on the system configuration the inventory collection process takes few minutes , delaying the display of system comparison report.(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 \$?

## Known Issues and Resolutions

- SUU GUI fails to open in Red Hat Enterprise Linux 7.2 operating system

If SUU GUI, is unable to launch in Red Hat Enterprise Linux 7.2 (64-bit) operating system perform the following -

Run the command in the terminal: `–#echo -e "Section \"Device\"\nIdentifier \"Device0\"\nOption \"SWCursor\" \"True\"\nEndSection" > /etc/X11/xorg.conf.d/xorg.conf`

On completion of the command, ensure that the contents are: `–#cat`

`/etc/X11/xorg.conf.d/xorg.conf–Section "Device" –Identifier "Edifice"–Option "SWCursor" "True" –EndSection.`

Type the command, `#systemctl restart gdm.service` to restart the GDM service. The user will be logged off after running the command.

- Network firmware (TPF6H) update is failing on Microsoft Windows 2008 x86 operating system. (BITS259131)
- On Dell's 10th generation and 11th generation of PowerEdge servers, the Storage Controller Firmware update fails on Linux operating systems if Server Administrator 8.2 installed. (BITS247650)
- Power Supply firmware (GPWR2) update is failing on SLES 12 and RHEL 7.1 operating system (BITS247769).
- VRTX M520 is displayed as M520 in SUU Comparison report.
- VRTX M620 is displayed as M620 in SUU Comparison report.
- The BIOS package is not available for T105 platform. (BITS089778)
- Intel firmware and driver are not supported on FM120 platform.
- OS Collector for Windows is not available in this ISO, it is available on Dell's 12th and 13th generation of PowerEdge servers 32-bit ISO. (BITS228497 & BITS228508)
- On Dell's 13<sup>th</sup> generation of PowerEdge servers SEP (Backplane) firmware DUP {SWB# GWJRF} does not work for system configurations having more than 8 HDD backplane systems configurations.
- Hard drive update is not supported in HBA mode.
- Updates fail on Linux systems where OMSA is uninstalled.  
Work around: Delete the directory `srvadmin` present in `/opt/dell/` and then run SUU to update system components.
- When you run the SATA hard disk update on Microsoft Windows 2012 Standard operating system with 16GB configuration, the update is unsuccessful. (BITS053783)
- When you run the hard disk update (52P2Y) on Microsoft Windows 2012 operating system, it is unsuccessful (BITS054325)  
Refer the PSQN ID, ID:596787: Device Buffer error when running hard drive SATA DUP under Microsoft Windows Server 2012 for BITS053783 and BITS054325.
- 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 the system is configured with three controllers configured with firmware or 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 track these signals) can generate a "/var/lock/.spsetup" lock file that cannot be deleted. SUU reports the update as successful and prompts to reboot the system. When you run SUU again on the same system, the comparison report displays 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 only the NIC base driver, 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 re-launch SUU. (142111)
- Do not use the RAC/iDRAC virtual media to remotely run SUU on a system. This procedure ends the virtual media connection, resulting in an unsuccessful SUU update.(144487)
- SUU update is unsuccessful if SUU is run from a pathname that contains special characters such as ":", "\, \$, and so on. It is recommended to use a directory name without any special characters for running SUU. For example, when a USB DVD-ROM or USB disk is attached, to a system running SUSE Linux Enterprise Server operating system, mounts it to a directory name that contains special characters. For example, /media/USB:1:2/. (42279)
- In Linux, if there is no 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 1.5GB.  
"Ensure that you have sufficient space in the var partition or tmp folder and reboot SUU to start the system inventory.(66118)
- In some cases, where the latest Intel NIC driver (Intel 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 happens because SBUU would not have installed the umbrella software. In these cases, install the umbrella with the umbrella installer (available at dell.com/support or in the SERVICE directory in the Dell Systems Management Tools and Documentation DVD).(DF130363)
- You cannot run on a 64-bit Red Hat Enterprise Linux operating system on SUU because SUU is a 32-bit application.  
The work around is:  
Manually install the following RPMs:  
glibc.i686  
compat-libstdc++.i686  
libstdc++.i686  
zlib.i686  
libxml2.i686  
libXp.i686  
libXtst.i686  
ncurses-libs  
pam.i686
- 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's Guide.

- Defect DF452489 - Export comparison report, in the file Dialogbox mouse movements are sluggish  
To work around the issue, add the following line:  
"\*.multiClickTime: 500" to the file ~/.Xdefaults and run xrdp -merge ~/.Xdefaults
- Defect DF497677 - If an update fails while updating multiple devices of same type, the comparison report shows that the current version is updated for all entries of the selected type.
- On all versions of the ESX, following USB connection error messages are generated, these messages can be ignored.  
A typical message is:  
Vendor: iDRAC Model: MAS022 Rev: 1.00  
Type: Direct-Access ANSI SCSI revision: 02  
  
Vendor: iDRAC Model: SECUPD Rev: 0329  
Type: Direct-Access ANSI SCSI revision: 02
- To launch SUU on systems running Linux (64-bit) from Windows CIFS share, do the following:  
Mount the extracted SUU x32 ISO CIFS share using "-o sse=nounix, noserverino" options on SUSE Linux Enterprise Server 10 and 11, and on Red Hat Enterprise Linux 6.2 and 6.3 operating systems (BITS032613).  
For example, mount -t cifs -o sse=nounix, noserverino -o username=<user id> <Windows CIFS share> <Linux mount location>
- "The Update Package is running on an unsupported new operating system, do you want to continue?" message will pop-up in Microsoft Windows Server 2012 operating system, because all DUPs are not recreated based on new DUP framework.

## Installation

SUU is a stand-alone application that runs directly from the ISO. 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.

## Contacting Dell

\* NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

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On the Manuals page, click Software>Systems Management. Click on the specific product on the right side to access the documents.

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