

Dell EMC OpenManage Installation and Management Release Notes Version 10.1.0.0

Release Type: Major (MA)

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Product description

Server Administrator provides a comprehensive, one-to-one systems management solution in two ways: from an integrated, web browser-based Graphical User Interface (GUI) and from a Command Line Interface (CLI) through the operating system. Server Administrator enables system administrators to manage systems locally and remotely on a network. This release of Dell EMC OpenManage software describes the new features, enhancements, and fixed issues in Server Administrator.

Priority and recommendations

Dell Technology recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that help keep your system software current and compatible with other system modules, including firmware, BIOS, drivers, and software.

OMSA customer survey

Survey link: <https://secure.opinionlab.com>.

Dell Technologies is exclusively surveying OMSA customers, collecting feedback, and implementing suggestions. As a customer, the above link is available for you to take the survey at various phases of OMSA usage such as Windows or Linux based installation, while using the OMSA GUI and CLI, and VMware ESXi.

Compatibility

Supported operating systems

- Red Hat Enterprise Linux 8.5
- Red Hat Enterprise Linux 8.4
- Red Hat Enterprise Linux 8.3
- Red Hat Enterprise Linux 7.9
- SUSE Linux Enterprise Server 15 SP3

- SUSE Linux Enterprise Server 15 SP2
- Ubuntu Server 20.04.3
- Ubuntu Server 20.04.2
- VMware ESXi 7.0 U3
- VMware ESXi 7.0 U2
- VMware ESXi 6.7 U3
- Microsoft Windows 2016
- Microsoft Windows 2019

Supported web browsers

- Mozilla Firefox version 81
- Mozilla Firefox version 80
- Google Chrome version 84
- Google Chrome version 83
- Internet Explorer version 11
- Safari version 13.x
- Microsoft Edge

For more support and compatibility information, see *Dell EMC OpenManage Software Support Matrix Version 10.0.1* and *Dell EMC OpenManage Software Compatibility Matrix Version 10.0.1*.

Installation

- Windows-on-Windows (WOW) mode must be enabled to install Server Administrator on Windows Server Core.
- To perform an **Express Install** on the Red Hat Enterprise Linux Server operating systems, run `srvadmin-install.sh -x` from the `SYSMGMT/srvadmin/linux/supportscripts` directory.

For more information about installation instructions, including silent installation options, see the *Dell EMC OpenManage Server Administrator Installation Guide* at www.dell.com/openmanagemanuals.

What is new in this release

The following are the release highlights of OpenManage Server Administrator and Storage Management.

- New features in Server Administrator:
 - Oracle Java Runtime Environment 11.0.11 and Tomcat 9.0.45 bundled with Server Administrator.
 - For the YX2X to YX5X generation of PowerEdge servers, new memory events are supported that provide additional recommendations about the resolution steps to resolve an event.
 - In Server Administrator, the About page displays the latest OpenJDK version and a link from Red Hat to download and that can be used as an alternative system JRE with Server Administrator.
 - Server Administrator web server supports the subject alternative name (SAN) attribute for certificates.
 - SNMP Management Interface is not installed as part of the Typical Installation setup in Server Administrator.
 - Inventory collector is not bundled as part of Server Administrator.
 - Change Management Group information through Simple Network Management Protocol(SNMP), Windows Management Instrumentation(WMI), and Command Line Interface(CLI) are removed.
 - OpenManage product nomenclature is updated to standard format of four digits.
- New features in Storage Management:
 - NVMe Telemetry feature for direct-attached NVMe devices.
 - Samsung PM1733/PM1735 v2, Intel Optane P5800x, and Hynix PE8010 drives are supported.
- New controllers are:
 - PERC H750 Adapter is supported only on PowerEdge R640, R740, R740xd, R840, R940, R940xa, R440, R540, T440, T640, C6520, and C6525 servers.
 - HBA350i Adpt is supported only on R640, R740, R740xd, R840, R940, R940xa, R440, R540, T440, and T640 PowerEdge servers.
 - PERC H350 Adapter is supported only on PowerEdge R640, R740, R840, R940, R940xa, R440, R540, T440, T640, C6520, and C6525 servers.

- o PERC H355 Adapter and PERC H355 Front are supported on all PowerEdge YX5X servers.
- o HBA355e Adpt is supported on all PowerEdge YX4X servers.

i **NOTE:** Ensure to install OM 10.1.0.1 on Red Hat Enterprise Linux, SUSE Linux Enterprise Server and Ubuntu operating systems to claim support for the latest controllers. The controllers are supported on Microsoft Windows operating system on OM 10.2.0.0.

i **NOTE:** The HBA355e Adpt is supported on all PowerEdge YX4X servers, to fully replace 12 Gbps Ext. SAS HBA cards.

- New supported operating systems are:
 - o Red Hat Enterprise Linux 8.5
 - o Red Hat Enterprise Linux 8.4
 - o SUSE Linux Enterprise Server 15 SP3
 - o VMware ESXi 7.0 U3
 - o Ubuntu Server 20.04.3

i **NOTE:** Ubuntu Server 20.04.3 is supported only on OM 10.1.0.1.

- New client operating systems supported on Dell EMC Precision R7920 are:
 - o Red Hat Enterprise Linux 8.0
 - o Ubuntu Desktop 20

i **NOTE:** For the list of supported operating systems and Dell servers, see *Dell EMC OpenManage Software Support Matrix* in the required version of OpenManage Software at **Dell.com/openmanagemanuals**.

i **NOTE:** For more information about any features, see *Dell EMC OpenManage Server Administrator Online Help*.

i **NOTE:** From 9.3.0, the RPM packages have been signed with Dell SHA-512 signature key. If using noninteractive or silent method of installation, to verify the authenticity, you must download the key from the following location: https://linux.dell.com/repo/hardware/dsu/public_gpg3.key, and then import the key to each host with `rpm --import <key file>` before installing or upgrading to the current version of Server Administrator. Once the key is imported, you are not required to import the key every time while installing, or upgrading to the current version of Server Administrator.

Known issues

Known issues on Microsoft Windows operating system

Issue ID	Functional area	Description	Workaround/Resolution
BITS053605, 95549	Server Administrator launch using desktop icon fails	On Microsoft Windows operating system, when Server Administrator is deployed on a system with an active remote desktop session, clicking the icon to launch Server Administrator is that session fails with the following error message: The program can't start because libxml2.dll is missing on your computer or The program can't start because omacs64.dll is missing on your computer. To fix this issue, reinstall the program.	<ul style="list-style-type: none"> • Log off from the remote session and log .in again • Alternatively, perform the following steps in the same remote session: <ul style="list-style-type: none"> o Right click My Computer. o Go to Advanced tab. o Click Environment Variables. o On the Environment Variables screen, click OK and exit from the screen.
498330	Configure HTTPS Listener does not time out	If you click the Configure HTTPS listener link in the Prerequisite page, the page does not time out.	To resolve this issue, close and reopen the page.
241136, 241498	Insufficient Privilege message while uninstallation	When user who is a part of Active Directory and member of Domain Admins and Domain Users group tries to uninstall Server Administrator, the MSI may display	To fix this issue, open Command prompt as Administrator and run <code>msiexec /x <msiname>.msi</code>

Issue ID	Functional area	Description	Workaround/Resolution
		an Insufficient Privilege error message.	
157904	OMSA upgrade on Windows systems displays a warning message	On Windows, when you upgrade OMSA to the latest version, the following warning message is displayed in the operating system logs: Failed to connect to server. Error: 0x800401F0 There is no functionality impact and you can ignore the message.	Not available
Not available	Using profile folders as install directory	Do not specify user profile folders such as a desktop folder (C:\Users\administrator\Desktop) as custom installation paths for installing Server Administrator. This is because services running on the system account cannot access such folders.	Not available

Known issues on Linux operating systems and VMware ESXi

Issue ID	Functional area	Description	Workaround/Resolutions
Not available	INI files present after uninstalling VIB	After uninstalling the VIB on VMware ESXi, some INI files may be present in the /etc/cim/dell folder. However, these INI files do not cause any impact to functionality.	Not available

User notes

User notes for supported Microsoft Windows operating systems

- Description:** The following message is displayed in the Prerequisite checker screen:

An error occurred while attempting to execute a Visual Basic Script. Confirm that Visual Basic files are installed correctly.

This error occurs when the prerequisite checker uses the `vbtest.vbs` (a Visual Basic [VB]) script to verify the installation environment and fails for some reason.

The possible causes and its workaround are:

 - Incorrect Internet Explorer security settings**

Workaround:

 - Ensure that **Active Scripting** is enabled.

Navigate to **Tools > Internet Options > Security > Custom Level > Scripting > Active Scripting** and click **Enable**.
 - Ensure that **Scripting of Java Applets** is enabled.

Navigate to **Tools > Internet Options > Security > Custom Level > Scripting > Scripting of Java Applets** and click **Enable**.
 - Windows Scripting Host (WSH) has disabled the running of VB scripts.**

Workaround: By default, WSH is installed during the operating system installation. WSH can be configured to prevent the execution of `.vbs` scripts.

On the desktop, right click on **My Computer** and click **Open**

Navigate to **Tools > Folder Options > File Types**. Identify files with `vbs` extension and verify that the **File Type** is set to **VBS Script File**.

If the file is not set as a **VBS Script File**, click **Change** and select **Microsoft Windows Based Script Host** as the application to run the script.

- **WSH version may be wrong, corrupted, or is not installed.**

Workaround: By default, WSH is installed during the operating system installation.

To download the current WSH version, go to <http://msdn2.microsoft.com/en-us/library/ms950396.aspx>

- **The Scrrun.dll file may not be registered.**

Workaround: Register it manually by running the below command:

```
regsvr32 Scrrun.dll
```

- **Description:** After Unattended Installation is complete, a new console window is opened to run CLI commands. It is not possible to run the CLI commands on the same console window after the Server Administrator is installed.

Workaround: Open a new console window to run the CLI commands.

- **Description:** On Microsoft Windows Server operating system, the listener creation link on the Prerequisite Checker screen does not work.

Workaround: Create the HTTPS listener using **winrm command-line utility**. See *Server Administrator Installation Guide* for more information.

Tracking ID: 332601

User notes for supported Red Hat Enterprise Linux, SUSE Linux Enterprise Server, and VMware ESXi

- **Description:** The OpenIPMI device driver that is used by Server Administrator conflicts with the Intel IMB device driver.

Workaround: Uninstall the IMB driver before installing Server Administrator.

- **Description:** When Server Administrator is installed on a system, dependency issues that are related to RPMs may occur.

Workaround: Install the missing RPMs from `SYSMGMT/srvadmin/linux/RPMS/supportRPMs`. If the RPMs are not available in this directory, install them from the operating system media.

Tracking ID: 341495

- **Description:** On a Linux operating systems with nautilus file manager—Gnome Desktop Environment—launching Server Administrator using the desktop icon displays a pop-up window, **Untrusted application launcher**.

Workaround: The behavior is because of vulnerability fix mentioned in CVE-2017-14604. It occurs only when the Server Administrator is launched for the first time by using the desktop icon. Click **Trust and Launch** to proceed with launching Server Administrator.

- **Description:** As per PCR-732, systems with Linux operating system, RPMs, and web packs are signed with RSA/SHA512 algorithm.

- **Description:** On Red Hat Enterprise Linux Server operating systems, installing or removing Server Administrator SELinux policy(`srvadmin-selinux`), when Server Administrator services are running causes the services to restart.

Resources and support

Latest Release Notes

1. Go to www.dell.com/openmanagemanuals.
2. Select OpenManage Server Administrator.
3. Select the version of Server Administrator.

4. Click **Documents**.

Accessing documents using direct links

You can directly access the documents using the following links:


URL	Product
www.dell.com/idracmanuals	iDRAC and Lifecycle Controller
www.dell.com/cmcmmanuals	Chassis Management Controller (CMC)
www.dell.com/serviceabilitytools	Serviceability Tools
www.dell.com/omconnectionsclient	Client System Management

Accessing documents using the product search

1. Go to www.dell.com/support.
2. In the **Enter a Service Tag, Serial Number...** search box, type the product name. For example, PowerEdge or iDRAC.
A list of matching products is displayed.
3. Select your product and click the search icon or press enter.
4. Click **Documents**.

Accessing documents using the product selector

You can also access documents by selecting your product.

1. Go to www.dell.com/support.
2. Click **Browse all products**.
3. Click the product category, such as Servers, Software, Storage, and so on.
4. Click the product, and then click the version if applicable.
 **NOTE:** For some products, you may need to go to the subcategories.
5. Click **Documents**.

Identifying the series of your Dell EMC PowerEdge servers

The PowerEdge series of servers from Dell EMC are divided into different categories based on their configuration. They are referred as YX2X, YX3X, YX4X, YX4XX, or YX5XX series of servers. The structure of the naming convention is described below:

The letter Y denotes the character in the server model number. The character denotes the form factor of the server. The form factors are listed below:

- C- Cloud
- F- Flexible
- M or MX- Modular
- R- Rack
- T- Tower

The letter X denotes the numbers in the server model number. The number denotes multiple characteristics about the server. They are listed as follows:

- The first digit (X) denotes the value stream or class of the server.
 - 1-5—iDRAC basic
 - 6-9—iDRAC Express
- The second digit denotes the series of the server. It is retained in the server naming convention and does not replace the letter X.
 - 0—series 10
 - 1—series 11

- 2—series 12
- 3—series 13
- 4—series 14
- 5—series 15
- The last digit (X) always denotes the make of the processor as described below:
 - 0-Intel
 - 5-AMD

NOTE: For servers that use an AMD processor, the model number is made up of four digits instead of three. The third digit (X) denotes the number of processor sockets that the series of server supports.

- 1—one socket server
- 2—two socket server

Table 1. PowerEdge servers naming convention and examples

YX3X servers	YX4X servers	YX4XX servers	YX5XX servers
PowerEdge M630	PowerEdge M640	PowerEdge R6415	PowerEdge R6515
PowerEdge M830	PowerEdge R440	PowerEdge R7415	PowerEdge R7515
PowerEdge T130	PowerEdge R540	PowerEdge R7425	PowerEdge R6525


Contacting Dell EMC

NOTE: Dell EMC provides several online and telephone-based support and service options. If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell EMC product catalog. Availability varies by country and product, and some services may not be available in your area.

To contact Dell EMC for sales, technical support, or customer-service issues:

1. Go to www.dell.com/contactdell.
2. Select your country or region from the interactive world map. When you select a region, the countries for the selected regions are displayed.
3. Select the appropriate language under the country of your choice.
4. Select your business segment. The main support page for the selected business segment is displayed.
5. Select the appropriate option depending on your requirement.

Notes, cautions, and warnings

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

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

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.