

Dell EMC OpenManage Software Compatibility Matrix

Version 9.3

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.

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Overview

This document provides information about the interoperability of the OpenManage software products.

NOTE:

- Upgrade the OpenManage components to the latest version to effectively use the latest features.
- For information about compatibility of OpenManage Connections products, see the *Dell EMC OpenManage Connections Compatibility Matrix* at dell.com/OMConnectionsEnterpriseSystemsManagement.

For more information, see the *Dell EMC Systems Software Support Matrix* at www.dell.com/openmanagemanuals.

Topics:

- [Acronyms Used In This Document](#)
- [Supported Operating Systems](#)
- [Matrix Information Structure](#)
- [Naming Convention For Dell PowerEdge Systems](#)

Acronyms Used In This Document

The following table lists the acronyms used in this document:

Table 1. Acronyms

Acronym	Product Name
BMC MU	Dell EMC OpenManage Baseboard Management Controller Management Utility
CMC	Dell EMC Chassis Management Controller
iDRAC Tools	Integrated Dell Remote Access Controller Tools consisting of the Remote Access Controller Administrator
DRM	Dell EMC Repository Manager
DTK	Dell EMC OpenManage Deployment Toolkit
DUP	Dell EMC Update Packages
DSU	Dell EMC System Update repository
iDRAC	Integrated Dell Remote Access Controller
Lifecycle Controller (LC) (For Dell's 12th generation PowerEdge systems and later.	Dell EMC Lifecycle Controller - Lifecycle Controller Enabled Unified Server configurator (USC) Unified Server Configurator-Lifecycle Controller Enabled (USC-LCE) Remote Enablement (RE)
MN	Dell EMC Managed Nodes (Instrumentation and Remote Enablement)
iSM	Dell EMC iDRAC Service Module

Acronym	Product Name
For Dell's 12th generation PowerEdge systems and later.	
OME	Dell EMC OpenManage Essentials
OMEnterprise	Dell EMC OpenManage Enterprise
OMSM	Dell EMC OpenManage Storage Management
OMM	Dell EMC OpenManage Mobile
OMPC	Dell EMC OpenManage Power Center
Server Administrator/OMSA	Dell EMC OpenManage Server Administrator
SUU	Dell EMC Server Update Utility

Supported Operating Systems

OpenManage Supported operating systems

- Client OS support on R7910 and R7920 - Win 10RS5 Pro, Red Hat Enterprise Linux 7.5 workstation
- Red Hat Enterprise Linux 7.6
- VMware ESXi 6.7 U1
- Ubuntu 18.04.02

For more information about the supported operating systems, Network Interface Cards (NIC), and PowerEdge RAID Controllers (PERC), see the *Dell EMC Systems Management Software Support Matrix* at www.dell.com/OpenManageManuals

Matrix Information Structure

The products on the left side of the matrix are the main products under the various categories and the products on the right side of the matrix are the other products that are required by the main product to function, or are compatible with the main product.

- * Indicates that the product on the left side depends on the particular product version on the right side.
- NA Indicates that the product on the left side is not dependent or not applicable for the product on the right side.
- All Indicates all the versions of the software supported.

Naming Convention For Dell PowerEdge Systems

The naming convention that is used for Dell PowerEdge systems is as follows:

NOTE: This document includes sections or data that is not applicable to the PowerEdge MX740x and PowerEdge MX840c.

For the 14th generation of PowerEdge systems:

Table 2. Naming Convention For Dell PowerEdge Systems

Type of Server	Specifics		
	Overall Performance	Generation	Processor
R indicates Rack	1—5: Low End Server 5—10: High End Server	4 indicates Dell 14th generation PowerEdge servers	0—Intel Processor 5—AMD Processor
T indicates Tower			
M indicates Modular			
F indicates Flexible			

Type of Server	Specifics		
C indicates Cloud			

For example: Dell PE R740 is Rack, Dell 14th generation PowerEdge server.

The letter indicates the type (form factor) of the server:

- C (cloud) - Modular server nodes for hyper-scale environments
- F (Flexible) - Hybrid rack-based sleds for rack-based FX2/FX2s enclosure
- M (Modular) - Blade servers and other items for the M1000e and/or VRTX enclosure
- MX - Newest Modular Servers
- R (Rack) - Rack-mountable servers
- T (Tower) - Tower servers

For three number naming convention:

- The first number after the letter indicates the class of the system.
 - a 1 to 3 indicates one CPU system
 - b 4 to 7 indicates two CPU systems
 - c 8 indicates two or four CPU systems
 - d 9 indicates four CPU systems
- The second number indicates the generation.
 - a 0 indicates 10th generation
 - b 1 indicates 11th generation, and so on
- The third number indicates the make of the CPU, 0 for Intel and 5 for AMD.

So, for example, the R710 model is a Rack 2 CPU system from the 11th generation of servers with Intel Processors. The MX740c model is a New Modular 2 CPU system from the 14th generation of servers with Intel Processors, and c indicates compute.

For four number naming convention:

- The first number after the letter indicates the class of the system.
 - a 1 to 5 indicates iDRAC Basic
 - b 6 to 9 indicates iDRAC Express
- The second number indicates the generation.
 - a 0 indicates 10th generation
 - b 1 indicates 11th generation, and so on
- The third number indicates the number of CPUs, 1 for one CPU and 2 for two CPUs.
- The fourth number indicates the make of the CPU, 0 for Intel and 5 for AMD.

So, for example, the R6415 model is a Rack 2 CPU system from the 14th generation of servers with AMD Processors, and the MX7000 enclosure is a 7U chassis.

OpenManage Software Compatibility Matrix

This section describes the compatibility among the OpenManage products.

NOTE: Dell EMC recommends using the Embedded Management, Integrated Dell Remote Access Controller 9 (iDRAC9) with Lifecycle Controller instead of Dell Systems Build and Update Utility (SBUU). SBUU is replaced with Lifecycle Controller on 14th generation Dell PowerEdge servers. iDRAC with Lifecycle Controller is an Embedded Systems Management application for operating system deployment and life cycle management of PowerEdge servers. You can access Dell Lifecycle Controller by pressing <F10> during system boot up or through remote interface tools such as, iDRAC Web GUI, RACADM command-line interface, or Web Service Management (WS-Man) interface.

Topics:

- [Compatibility Of Server Administrator Web Server and Managed Nodes](#)
- [Compatibility Of Dell Change Management Update Products](#)
- [Compatibility Of Deployment Suite Of Products](#)
- [Compatibility Of Dell Embedded Management Products](#)
- [Compatibility of Dell Monitoring Products](#)
- [Compatibility for Dell Remote Management Products](#)
- [Compatibility Of Dell Systems Management - Server, Storage Monitoring, Diagnostics, And Management Products](#)

Compatibility Of Server Administrator Web Server and Managed Nodes

Table 3. Server Administrator Web Server and Managed Nodes

Server Administrator Web Server Version	MN (Instrumentation + Remote Enablement) Version
9.3	9.3

NOTE: For more information about managed node instrumentation and remote enablement, see the *Dell EMC Server Administrator Installation Guide (Linux and Windows)* at www.dell.com/openmanagemanuals.

Compatibility Of Dell Change Management Update Products

The following table describes the compatibility of Dell Change Management products.

Table 4. Change Management Products

Product Name	DUP	SUU	DSU (Applicable on RedHat/ SuSE OS)	DRM
Version	19.01.00	19.01.00	1.6	3.2
DUP	NA	All versions	All versions	All versions
SUU	All versions	NA	NA	All versions

Product Name	DUP	SUU	DSU (Applicable on RedHat/ SuSE OS)	DRM
DSU	NA	NA	NA	NA
DRM	All versions	All versions	NA	NA
CMC	All versions	All versions	NA	NA
iDRAC9 with LC	All versions	All versions	All versions	NA

NOTE:

- Dell EMC recommends using the latest BIOS available at www.dell.com/Support/Home.
- Dell EMC recommends using Dell System Update instead of YUM Linux repository.

Compatibility Of Deployment Suite Of Products

The following table describes the compatibility of Deployment Suite of Products.

Table 5. Deployment Suite of Products

Product Name	Lifecycle Controller (LC) with	DTK
	iDRAC9	
Version	3.30.30.30	6.3
Server Administrator	9.3	9.3
iDRAC9 with LC	NA	3.30.30.30
DUP	19.01.00	19.01.00

NOTE: Dell recommends using integrated Dell Remote Access Controller 9 (iDRAC9) with Dell Lifecycle Controller instead of Dell Systems Build and Update Utility (SBUU), as SBUU is not supported on Dell 14th generation servers. iDRAC with Lifecycle Controller is an Embedded Systems Management application, available on Dell 11G and later servers, for operating system deployment and life cycle management of PowerEdge servers. You can access Dell Lifecycle Controller by pressing <F10> during system boot up.

DTK Deprecation Message

The OpenManage Deployment Toolkit (DTK) along with the associated tools and capabilities will be deprecated for version 6.1 and later:

- Redundant Array of Independent Disks Configuration (RAIDCFG) Utility
- System Configuration (SYSCFG) Utility
- ELI tool
- Utility Partition (UPINIT)

It is recommended to use the RACADM Command Line (CLI) as a replacement for the RAIDCFG and SYSCFG utilities. For more information on downloading RACADM, see www.dell.com/Support/Home.

NOTE: DTK will continue to support any new hardware or operating system for the 14th generation of PowerEdge servers. However, support for later generations of PowerEdge servers will be deprecated. For more information about features supported by DTK, see the latest User's Guide available at www.dell.com/OpenManageManuals.

Compatibility Of Dell Embedded Management Products

The following table describes the compatibility for Dell Embedded Management products.

Table 6. Embedded Management Products

Product Name	iDRAC9 with LC	iSM
Version	3.30.30.30	3.4
Supported Dell Systems	14th generation PowerEdge systems of Dell	14th generation PowerEdge systems of Dell
Server Administrator	9.3	9.3
Lifecycle Controller	NA	NA
iDRAC9 with LC	NA	3.30.30.30
iSM	3.4	NA

NOTE:

- The iDRAC9 features vary based on the license purchased. For more information, see the *iDRAC 9 User's Guide*.
- Using Dell Embedded Management, you can perform out-of-band hardware configuration, operating system deployment, hardware updates, and so on.
- Dell EMC recommends using the latest BIOS available at www.dell.com/support.

Compatibility of Dell Monitoring Products

The following table describes the compatibility of Dell monitoring products.

Table 7. Monitoring products

Product Name	Server Administrator	iDRAC9 with LC	OME
Version	9.3	3.30.30.30	2.5
Server Administrator	9.3	9.3	9.3
iDRAC9 with LC	3.30.30.30	NA	NA

Compatibility for Dell Remote Management Products

The following table describes the compatibility for Dell remote management products.

Table 8. Remote Management Products

Product Name	iDRAC9 with LC
Version	3.30.30.30
Server Administrator	9.3
iDRAC9 with LC	NA

NOTE: Dell EMC recommends using the latest BIOS available at www.dell.com/support.

Compatibility Of Dell Systems Management - Server, Storage Monitoring, Diagnostics, And Management Products

The following table describes the compatibility of server, storage monitoring, diagnostics, and management products.

Table 9. Systems Management

Product Name	Server Administrator	OME	iSM	OMPC	OMM
Version	9.3	2.5	3.4	4.1	3.2
Server Administrator	NA	9.3	9.3	NA	NA
OME	2.5	NA	2.5	NA	2.5
iDRAC9 with LC	3.30.30.30	3.30.30.30	3.30.30.30	3.30.30.30	3.30.30.30
iSM	3.4	3.4	NA	NA	NA
DUP	19.01.00	19.01.00	19.01.00	NA	NA

NOTE:

- OMSM is part of Server Administrator. However OMSM has its own version. For example, OMSA 7.0 has OMSM 4.0.
- Dell EMC recommends using the latest BIOS available at www.dell.com/support.
- OME 1.0 and DRM 1.8 must be installed on the same system. However, DRM 1.8 can access OME 1.1 and later versions inventory data from a remote system. In DRM 1.8, you must click **Connect** to obtain inventory data from OME irrespective of the version of OME it interacts.