

# **Dell OpenManage Essentials Version 2.1 Support Matrix**



# Notes, cautions, and warnings



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



**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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# Introduction

Dell OpenManage Essentials is a hardware management application that provides a comprehensive view of Dell systems, devices, and components in your environment. This document lists the agents, devices, operating systems, and databases supported by Dell OpenManage Essentials version 2.1.

 **NOTE:** For the list of devices supported by Dell SupportAssist for OpenManage Essentials, see the *Dell SupportAssist for OpenManage Essentials Support Matrix* at [dell.com/serviceabilitytools](https://dell.com/serviceabilitytools).

## Supported agents

 **NOTE:** For more information on the devices listed in this document, see the documentation for that device.

**Table 1. Agents supported by Dell OpenManage Essentials**

| Dell systems agents                                                      | Supported version                                                                                                                                                                                                    |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dell OpenManage Server Administrator                                     | 7.x or later                                                                                                                                                                                                         |
| Dell Lifecycle Controller                                                | For Dell's 12th and 13th generation of PowerEdge servers – 2.15.10.10 or later<br><br>For 11th generation of PowerEdge servers – 1.6.x or later                                                                      |
| Chassis Management Controller (CMC)                                      | For PowerEdge M1000e – 5.1 or later<br><br>For PowerEdge VRTX – 2.1 or later<br><br>For PowerEdge FX2 and FX2s – 1.3 or later                                                                                        |
| iDRAC7 and iDRAC 8                                                       | 2.20.20.20 or later<br><br> <b>NOTE:</b> Make sure that Express or Enterprise licenses are available to perform firmware updates. |
| iDRAC6                                                                   | For monolithic systems – 1.98 or later<br><br>For modular systems – 3.65 or later                                                                                                                                    |
| Dell Command Monitor (previously Dell OpenManage Client Instrumentation) | 9.1 or later                                                                                                                                                                                                         |

## Supported devices

### Supported Dell PowerEdge servers

 **NOTE:** In the PowerEdge server name format yxxx; y denotes alphabets, for example M,R, or T and x denotes numbers.

| <b>yx0x systems</b> | <b>yx1x systems</b> | <b>yx2x systems</b> | <b>yx3x systems</b> |
|---------------------|---------------------|---------------------|---------------------|
| PowerEdge M600      | PowerEdge R210      | PowerEdge M420      | PowerEdge M630      |
| PowerEdge M605      | PowerEdge R210 II   | PowerEdge M520      | PowerEdge T130      |
| PowerEdge M805      | PowerEdge R310      | PowerEdge M620      | PowerEdge T330      |
| PowerEdge M905      | PowerEdge R510      | PowerEdge M820      | PowerEdge T430      |
| PowerEdge R200      | PowerEdge R515      | PowerEdge R220      | PowerEdge T630      |
| PowerEdge R300      | PowerEdge R610      | PowerEdge R320      | PowerEdge R230      |
| PowerEdge R805      | PowerEdge R710      | PowerEdge R420      | PowerEdge R330      |
| PowerEdge R900      | PowerEdge R810      | PowerEdge R520      | PowerEdge R430      |
| PowerEdge R905      | PowerEdge R815      | PowerEdge R620      | PowerEdge R530      |
| PowerEdge T100      | PowerEdge R910      | PowerEdge R720      | PowerEdge R530xd    |
| PowerEdge T105      | PowerEdge R410      | PowerEdge R720xd    | PowerEdge R630      |
| PowerEdge T300      | PowerEdge R415      | PowerEdge R820      | PowerEdge R730      |
| PowerEdge T605      | PowerEdge R715      | PowerEdge R920      | PowerEdge R730xd    |
|                     | PowerEdge T110      | PowerEdge T320      | PowerEdge R930      |
|                     | PowerEdge T110 II   | PowerEdge T420      | PowerEdge FC430     |
|                     | PowerEdge T310      | PowerEdge T620      | PowerEdge FC630     |
|                     | PowerEdge T410      | PowerEdge FC420     | PowerEdge FC830     |
|                     | PowerEdge T610      | PowerEdge FC620     |                     |
|                     | PowerEdge T710      | PowerEdge FM120x4   |                     |
|                     | PowerEdge M610      |                     |                     |
|                     | PowerEdge M610x     |                     |                     |
|                     | PowerEdge M710      |                     |                     |
|                     | PowerEdge M710HD    |                     |                     |
|                     | PowerEdge M910      |                     |                     |

#### **C Series**

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| PowerEdge C6220 | PowerEdge C6100 | PowerEdge C4130 |
| PowerEdge C8220 | PowerEdge C5220 | PowerEdge C6320 |

 **NOTE:** Among the PowerEdge C Series servers, OpenManage Essentials supports the server configuration management feature only on PowerEdge C4130 and C6320.

## **Supported Dell storage module**

PowerEdge FD332

## Supported Dell chassis devices

|                     |                       |                    |                     |
|---------------------|-----------------------|--------------------|---------------------|
| Dell PowerEdge VRTX | Dell PowerEdge M1000e | Dell PowerEdge FX2 | Dell PowerEdge FX2s |
|---------------------|-----------------------|--------------------|---------------------|

## Supported Dell EqualLogic devices

|                     |                      |                      |                       |
|---------------------|----------------------|----------------------|-----------------------|
| EqualLogic PS4000E  | EqualLogic PS5500E   | EqualLogic PS6110S   | EqualLogic PS6510X    |
| EqualLogic PS4000X  | EqualLogic PS6000E   | EqualLogic PS6110X   | EqualLogic PS6610E    |
| EqualLogic PS4000XV | EqualLogic PS6000X   | EqualLogic PS6110XS  | EqualLogic PS6610X    |
| EqualLogic PS4100X  | EqualLogic PS6000XV  | EqualLogic PS6110XV  | EqualLogic PS6610ES   |
| EqualLogic PS4100XV | EqualLogic PS6010    | EqualLogic PS6210E   | EqualLogic PS-M4110   |
| EqualLogic PS4100E  | EqualLogic PS6010E   | EqualLogic PS6210X   | EqualLogic PS-M4110X  |
| EqualLogic PS4110X  | EqualLogic PS6010X   | EqualLogic PS6210XV  | EqualLogic PS-M4110XV |
| EqualLogic PS4110XV | EqualLogic PS6010XV  | EqualLogic PS6210S   | EqualLogic PS-M4110E  |
| EqualLogic PS4110E  | EqualLogic PS6010XVS | EqualLogic PS6210XS  | EqualLogic PS-M4110XS |
| EqualLogic PS4210E  | EqualLogic PS6100    | EqualLogic PS6500    |                       |
| EqualLogic PS4210X  | EqualLogic PS6100E   | EqualLogic PS6500E   | <b>NAS appliances</b> |
| EqualLogic PS4210XV | EqualLogic PS6100S   | EqualLogic PS6500ES  | EqualLogic FS7500     |
| EqualLogic PS4210XS | EqualLogic PS6100X   | EqualLogic PS6500X   | EqualLogic FS7600     |
| EqualLogic PS5000E  | EqualLogic PS6100XV  | EqualLogic PS6510    | EqualLogic FS7610     |
| EqualLogic PS5000X  | EqualLogic PS6100XS  | EqualLogic PS6510E   |                       |
| EqualLogic PS5000XV | EqualLogic PS6110E   | EqualLogic PS6510 ES |                       |

 **NOTE:** Only EqualLogic NAS appliances with Fluid File System (Fluid FS) version 3 are supported.

## Supported Dell PowerVault devices

|                   |                    |                    |                              |
|-------------------|--------------------|--------------------|------------------------------|
| PowerVault NX200  | PowerVault MD3200  | PowerVault MD3620i | <b>Tape Libraries/Drives</b> |
| PowerVault NX300  | PowerVault MD3200i | PowerVault MD3620f | PowerVault TL2000            |
| PowerVault NX3000 | PowerVault MD3220  | PowerVault MD3660i | PowerVault TL4000            |
| PowerVault NX3100 | PowerVault MD3220i | PowerVault MD3660f | PowerVault ML6000            |
| PowerVault NX3500 | PowerVault MD3260  | PowerVault MD3800i |                              |
| PowerVault NF500  | PowerVault MD3260i | PowerVault MD3800f |                              |
| PowerVault DP500  | PowerVault MD3400  | PowerVault MD3820f |                              |
| PowerVault DL2000 | PowerVault MD3420  | PowerVault MD3820i |                              |
| PowerVault DL2100 | PowerVault MD3460  | PowerVault MD3860f |                              |

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| PowerVault DL2200  | PowerVault MD3600i | PowerVault MD3860i |
| PowerVault MD3060e | PowerVault MD3600f |                    |

## Supported Dell|EMC devices

|                 |                                        |                                       |
|-----------------|----------------------------------------|---------------------------------------|
| Dell EMC CX300  | <b>CX4 Series - Flare / Navisphere</b> | <b>CX4 Series - Flare / Unisphere</b> |
| Dell EMC CX3-10 | Dell EMC CX4-120                       | Dell EMC CX4-120                      |
| Dell EMC CX3-20 | Dell EMC CX4-240                       | Dell EMC CX4-2400                     |
| Dell EMC CX3-40 | Dell EMC CX4-480                       | Dell EMC CX4-480                      |
| Dell EMC CX3-80 | Dell EMC CX4-960                       | Dell EMC CX4-960                      |
| Dell EMC CX500  |                                        |                                       |
| Dell EMC CX700  |                                        |                                       |

## Supported Dell Storage devices (previously Dell Compellent devices)

|                   |                             |
|-------------------|-----------------------------|
| Compellent SC8000 | <b>NAS appliance</b>        |
| Compellent SC4020 | Compellent FS8600 version 3 |
| Storage SCv2000   |                             |

## Supported Dell Networking devices (previously PowerConnect and Force10 devices)

|                    |                    |                             |
|--------------------|--------------------|-----------------------------|
| PowerConnect 2808  | PowerConnect 6224F | PowerConnect B-8000         |
| PowerConnect 2816  | PowerConnect 6248  | PowerConnect B-8000e        |
| PowerConnect 2824  | PowerConnect 6248P | PowerConnect B-MLXe 16      |
| PowerConnect 2848  | PowerConnect 7000  | PowerConnect J-SRX210       |
| PowerConnect 3424  | PowerConnect 7024  | PowerConnect J-SRX240       |
| PowerConnect 3424P | PowerConnect 7024F | PowerConnect J-EX4200 (48T) |
| PowerConnect 3448  | PowerConnect 7024P | PowerConnect J-EX8216       |
| PowerConnect 3448P | PowerConnect 7048  | PowerConnect M6220          |
| PowerConnect 3548  | PowerConnect 7048F | PowerConnect M6348          |
| PowerConnect 3548P | PowerConnect 7048P | PowerConnect M8024          |
| PowerConnect 3524  | PowerConnect 8024  | PowerConnect M8024K         |
| PowerConnect 3860  | PowerConnect 8024F | PowerConnect M8428K         |
| PowerConnect 5224P | PowerConnect 8100  | PowerConnect W-3200         |
| PowerConnect 5316M | PowerConnect 8132  | PowerConnect W-3600         |
| PowerConnect 5324  | PowerConnect 8132F | PowerConnect W-6000 M3      |

|                            |                        |                        |
|----------------------------|------------------------|------------------------|
| PowerConnect 5424          | PowerConnect 8164      | PowerConnect W-650     |
| PowerConnect 5448          | PowerConnect 8164F     | PowerConnect W-7210    |
| PowerConnect 5524          | PowerConnect B-DCX-4S  | PowerConnect W-7220    |
| PowerConnect 5548          | PowerConnect B-RX 4    | PowerConnect W-7240    |
| PowerConnect 6224          | PowerConnect B-RX 8    |                        |
| PowerConnect 6224P         | PowerConnect B-RX 16   |                        |
| Force10 C150               | Force10 S50            | Force10 S4820T         |
| Force10 C300               | Force10 S55            | Force10 S5000          |
| Force10 E1200i             | Force10 S60            | Force10 S6000          |
| Force10 E300               | Force10 S3048          | Force10 Z9000          |
| Force10 E600i              | Force10 S4048          | Force10 MXL 10/40GbE   |
| Force10 E610               | Force10 S4810          |                        |
| Force10 S25P               | Force10 S4820P         |                        |
| Dell Networking C7004      | Dell Networking N3024P | Dell Networking N4064  |
| Dell Networking C7008      | Dell Networking N3024F | Dell Networking N4064F |
| Dell Networking N2024      | Dell Networking N3048  | Dell Networking M3020  |
| Dell Networking N2024P     | Dell Networking N3048P | Dell Networking M3048  |
| Dell Networking N2048      | Dell Networking N4000  | Dell Networking Z9500  |
| Dell Networking N2048P     | Dell Networking N4032  |                        |
| Dell Networking N3024      | Dell Networking N4032F |                        |
| PowerEdge M I/O Aggregator | PowerEdge FN2210s      | PowerEdge FN410s       |
| PowerEdge FN410t           |                        |                        |

## Supported network security appliances

Dell SonicWALL NSA 250M

## Supported Brocade devices

|              |               |              |                |
|--------------|---------------|--------------|----------------|
| Brocade 200E | Brocade 5100  | Brocade 6505 | Brocade M6505  |
| Brocade 300  | Brocade 5300  | Brocade 6510 | Brocade 8000   |
| Brocade 4424 | Brocade M5424 | Brocade 6520 | Brocade 8424-K |

## Supported managed rack Power Distribution Units

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| K538N | G756N | H544N | J523N | K539N |
|-------|-------|-------|-------|-------|

### Supported metered rack Power Distribution Units

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| 1X98J | XX5T6 | C0G4D | G740N | G744N |
| 7P35N | RXKCH | G728N | H534N | H537N |
| 09FG8 | K5YYY | J519N | J520N | J521N |
| 4J1C2 | 2CM2K | K535N | K536N | 6809  |

### Supported Keyboard, Video, and Mouse (KVM)

|        |        |          |        |        |
|--------|--------|----------|--------|--------|
| 1081AD | 2161AD | 2161DS-2 | 2321DS | 4332DS |
| 1082DS | 2161DS | 2162DS   | 4161DS |        |

### Supported Dell UPS

|          |          |                   |                |                |
|----------|----------|-------------------|----------------|----------------|
| 1000T HV | 500T HV  | 2700R/T LV        | 2700R Telco HV | 5600R LI HV-US |
| 4200R HV | 1000R LV | 2700R/T HV        | 3750R HV-US    | 5600R LI HV    |
| 1920T LV | 1000R HV | 2700R/T HV-US     | 3750R HV       | 5600R OL HV-US |
| 1920T HV | 1920R LV | 2700R Telco LV    | 4200R HV-US    | 5600R OL HV    |
| 500T LV  | 1920R HV | 2700R Telco HV-US | 4200R HV       |                |

### Supported Dell printers

|             |              |                |                  |                  |
|-------------|--------------|----------------|------------------|------------------|
| Dell W5300  | Dell 5130cdn | Dell 2335dn    | Dell 1710n       | Dell B1165nfw    |
| Dell S2500  | Dell 5110cn  | Dell 2330dn    | Dell 1600n       | Dell C1660w      |
| Dell M5200  | Dell 5100cn  | Dell 2155c(d)n | Dell 1320c       | Dell C1760nw     |
| Dell 5535dn | Dell 3335dn  | Dell 2150cdn   | Dell B2360d/dn   | Dell C1765nf/nfw |
| Dell 5530dn | Dell 3130cn  | Dell 2145cn    | Dell B3460dn     | Dell B1265dfw    |
| Dell 5330dn | Dell 3115cn  | Dell 2135cn    | Dell B3465dn/dnf |                  |
| Dell 5310n  | Dell 3110cn  | Dell 2130cn    | Dell B5460dn     |                  |
| Dell 5230dn | Dell 2355dn  | Dell 1815dn    | Dell B5465dnf    |                  |
| Dell 5210n  | Dell 2350dn  | Dell 1720n     | Dell B1163/w     |                  |

### Supported client systems

|                 |                |                 |                 |                  |
|-----------------|----------------|-----------------|-----------------|------------------|
| Latitude 13     | Latitude E6220 | Latitude Z600   | Precision T5610 | OptiPlex 9010AIO |
| Latitude 10 ST2 | Latitude E6400 | Precision M4700 | Precision T7610 | OptiPlex 9020    |
| Latitude D531   | Latitude E6410 | Precision R5400 | Precision T7810 | OptiPlex 9020AIO |



|                                 |                 |                 |                |                             |
|---------------------------------|-----------------|-----------------|----------------|-----------------------------|
| Latitude 14 Rugged Extreme 7407 | Latitude E6540  | Precision R7610 | OptiPlex 980   | OptiPlex 9030               |
| Latitude 3550                   | Latitude E6430U | Precision R7910 | OptiPlex 990   | OptiPlex XE                 |
| Latitude E3440                  | Latitude E7240  | Precision T1700 | OptiPlex 3011  | OptiPlex XE2                |
| Latitude E3540                  | Latitude E7440  | Precision T3600 | OptiPlex 3020M | OptiPlex 7010               |
| Latitude E5450                  | Latitude E7450  | Precision T3610 | OptiPlex 3030  | Dell Venue 11 Pro 7130/7139 |

 **NOTE:** If an alert is received from a device with unknown severity, you can import the device MIB files using the MIB Import Utility to enable OpenManage Essentials to classify the alerts.

## OEM devices

Dell OEM devices (re-branded or de-branded Dell servers and Compellent S8000 iDRAC), when discovered, are classified under **OEM Devices** in the device tree. Most of the functionality available to Dell servers, such as tasks, reports, and filters are also applicable to Dell OEM servers. However, system update may not be possible if it is not supported by the OEM device module. OEM servers are always classified under the **OEM Devices** group in the device tree. They are not displayed under the **Servers** or **RAC** group. If both the server and RAC of the OEM device are discovered, they are correlated and displayed as one device under the **OEM Devices** group. Other OEM devices except servers and RAC are classified under the different server groups such as Microsoft Virtualization Servers, VMware ESX servers, and so on, based on the classification criteria they satisfy.

## Supported operating systems

This section lists the operating systems on which you can install Dell OpenManage Essentials (on a management station) and the operating systems that Dell OpenManage Essentials can manage (for managed systems).

### Supported operating systems for management stations

- Microsoft Windows Server 2012 R2 Standard and Datacenter Editions
- Microsoft Windows Server 2012 Standard and Datacenter Editions
- Windows Server 2008 R2 SP1 Standard and Enterprise Editions
- Windows Server 2008 SP2 (x64) Standard and Enterprise Editions

 **NOTE:** OpenManage Essentials version is supported only on 64-bit operating systems.

 **NOTE:** The Wow64 component is required to run on a 64-bit operating system.

 **NOTE:** OpenManage Essentials is also supported on virtual machines.

### Supported operating systems for managed systems

The Dell systems and operating system versions that OpenManage Essentials can manage correspond to the Dell systems and operating systems supported by Dell OpenManage Software. For the Dell systems and operating system versions that OpenManage Essentials can manage, see the Dell systems and operating systems listed in the *Dell Systems Management - OpenManage Software Support Matrix*. To

access the support matrix , visit **dell.com/openmanagemanuals**. On the **Support** page, click **OpenManage Software**, and then click the appropriate version of OpenManage software.

 **NOTE:** The operating systems supported by OpenManage Software vary depending on the OpenManage Software version.

## Supported operating systems for managed client systems

- Microsoft Windows Vista Business (32-bit and 64-bit)
- Microsoft Windows Vista Business (32-bit and 64-bit) SP1 and SP2
- Microsoft Windows Vista Ultimate (32-bit and 64-bit)
- Microsoft Windows Vista Ultimate (32-bit and 64-bit) SP1
- Microsoft Windows Vista Ultimate (32-bit) SP2
- Microsoft Windows Vista Enterprise (32-bit and 64-bit)
- Microsoft Windows Vista Enterprise (32-bit and 64-bit) SP1
- Microsoft Windows Vista Enterprise (32-bit) SP2
- Microsoft Windows 7 Professional (32-bit and 64-bit)
- Microsoft Windows 7 Ultimate (32-bit and 64-bit)
- Windows 7 Enterprise Environment (32-bit and 64-bit)
- Windows 8 (32 and 64 bit)
- Windows 8 Pro (32 and 64 bit)
- Windows 8 Enterprise (32 and 64 bit)
- Windows 8.1 Pro
- Windows 10

## Supported databases

 **NOTE:** Only case-insensitive instance of SQL Server is supported. SQL Server 2012 SP1 Express is installed with OpenManage Essentials version 2.1.

 **NOTE:** For large deployments, you must use SQL Standard.

- Microsoft SQL Server 2014 Standard, Enterprise, and Express Editions
- SQL Server 2012 Standard, Enterprise, and Express Editions
- SQL Server 2008 R2 SP1 Standard, Enterprise, and Express Editions
- SQL Server 2008 R2 RTM Standard, Enterprise, and Express Editions
- SQL Server 2008 SP2 Standard, Enterprise, and Express Editions
- SQL Server 2008 SP1 Standard, Enterprise, and Express Editions
- SQL Server 2008 RTM Standard, Enterprise, and Express Editions

 **NOTE:** Both 32-bit and 64-bit versions of SQL Server are supported. However, it is recommended to use a 64-bit version of SQL Server.

## Supported browsers

- Microsoft Internet Explorer 9, 10, and 11
- Mozilla FireFox 38 and 39

 **NOTE:** Supported only on Windows-based operating systems.

## Minimum requirements for OpenManage Essentials

Table 2. RAM, processor, and hard-drive requirements

| Component                | Large deployments (up to 4000 devices) | Large deployments (up to 2000 devices) | Medium deployments (up to 500 devices) | Small deployments (up to 100 devices) |
|--------------------------|----------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------|
| RAM                      | 8 GB                                   | 8 GB                                   | 6 GB                                   | 6 GB                                  |
| Processor cores          | 8                                      | 8                                      | 4                                      | 2                                     |
| Free space on hard drive | 20 GB                                  | 10 GB                                  | 10 GB                                  | 10 GB                                 |

 **NOTE:** The recommended minimum hardware requirements for OpenManage Essentials on a domain controller are 8 GB RAM, 8 cores processor, and a remote database.

- Microsoft .NET Framework version 4.5.2
- SQL database. See [Supported databases](#).
- Operating system. See [Supported operating systems](#).
- Supported browsers. See [Supported browsers](#).
- Microsoft Silverlight version 5.1.40416.0
- Microsoft Visual C++ 2012 Runtime 11.0
- Network Bandwidth - 1 Gbps or higher.

 **NOTE:** The recommended minimum network bandwidth required for OpenManage Essentials in a WAN environment is 10 Mbps (for monitoring) and 20 Mbps (for updates).

## Support for Stateless Deployment

Stateless deployments are dependent on the Host Bus Adapter (HBA) cards available in Dell PowerEdge servers. A server may have HBA cards manufactured by one or more vendors. Stateless deployments may or may not be supported on a server depending on the HBA card vendor. The following table provides information about the support for stateless deployment tasks based on the HBA card vendor.

 **NOTE:** Before you preform stateless deployment, ensure that the HBA cards have the latest firmware version installed.

 **NOTE:** For the list of HBA card types that support stateless deployment, see "Supported cards for I/O Identity Optimization" in the *iDRAC User's Guide* at [Delltechcenter.com/iDRAC](http://Delltechcenter.com/iDRAC).

| HBA Card Vendor | Storage Networking Protocol | Support for Stateless Deployment Tasks* |
|-----------------|-----------------------------|-----------------------------------------|
| Intel           | FC                          | ✓                                       |
|                 | FCoE                        | ✓                                       |
|                 | iSCSI                       | ✓                                       |

| HBA Card Vendor | Storage Networking Protocol | Support for Stateless Deployment Tasks* |
|-----------------|-----------------------------|-----------------------------------------|
| Broadcom        | FCoE                        | ✓                                       |
|                 | iSCSI                       | ✓                                       |
| Emulex          | FC                          | ✓                                       |
|                 | FCoE                        | ✗                                       |
|                 | iSCSI                       | ✗                                       |
| QLogic          | FC                          | ✓                                       |
|                 | FCoE                        | ✓                                       |
| Mellanox        | iSCSI                       | ✓                                       |

\* Deploy Virtual I/O Identities, Reclaim Virtual I/O Identities, and Replace Server

## Known Limitations for Stateless Deployment

The following are the known limitations for deploying virtual I/O identities on target servers:

- To deploy virtual I/O identity attributes in Converged Network Adapter (CNA) cards for FCoE protocol, you must predefine the octet values or import values for the FC attributes in the virtual pool even though the values generated by OpenManage Essentials are based on the virtual FIP MAC address.
- On Broadcom network adapters, OpenManage Essentials does not support boot from ISO for installing the operating system on a SAN along with the virtual I/O identity deployment. However, if an operating system is already installed on the SAN, after deployment of virtual I/O identities, the server can boot from the SAN.
- For the PowerEdge FC430, FC630, and FC830 sleds, Fiber channel (FC) cards are supported only in the shared PCI slots of the PowerEdge FX2s chassis. Stateless deployment from OpenManage Essentials is not supported on these FC cards. OpenManage Essentials supports stateless deployment only for the on-board Network Daughter Cards (NDCs) for these sleds.
- OpenManage Essentials version 2.1 does not support stateless deployment on Emulex CNA cards.
- For performing stateless deployment on blade servers, the FlexAddress mode must be disabled on the blade server to prevent the host chassis from assigning I/O identity attributes. Even if the FlexAddress mode is enabled, OpenManage Essentials overrides the FlexAddress mode.
- While performing a stateless deployment on a server with a QLogic Converged Network Adapter, OpenManage Essentials generates different attribute values for the virtual MAC (vMAC) and virtual FIP (vFIP) MAC attributes. However, only the value of the vMAC attribute is deployed for both the vMAC and vFIP MAC attributes. If you create a zone for SAN boot before the deployment, ensure that the zone is created based on the vMAC address generating virtual WWPN (vWWPN) and virtual WWNN (vWWNN). For example, 20:00:vMAC for vWWNN and 20:01:vMAC for vWWPN.
- Intel NIC cards do not support unique iSCSI initiator name for each port. OpenManage Essentials deploys the same IQN value for all ports in the Intel NIC card.

## 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:

1. Go to **dell.com/support**.
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.