

**Dell OpenManage Plug-in
Version 2.0 for Oracle
Enterprise Manager 12c**
Release Notes



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Dell OpenManage Plug-in for Oracle Enterprise Manager provides a proactive approach to data center management that delivers features for monitoring Dell server, storage, and networking infrastructures in an environment managed by Oracle Enterprise Manager (OEM). It also supports mapping of database workload to Dell hardware for quicker fault detection and console launch of Dell devices to perform troubleshooting, configuration, or management activities. It protects your existing investment in the OEM console and helps in ease of integration and management of Dell devices.

Version 2.0

Release Date: June 2014

Previous Version: Dell OpenManage Plug-in Version 1.0 for Oracle Enterprise Manager 12c

Importance

OPTIONAL: Dell recommends the customer review specifics about the product to determine if it applies to your system. The product works only in certain configurations, or provides features that may/may not apply to your environment.

Platform(s) affected

Dell OpenManage Plug-in Version 2.0 for OEM 12c is supported on the following systems:

Oracle Enterprise Monitoring:

- Oracle Enterprise Manager Cloud Control 12c R2 (12.1.0.2.0)
- Oracle Enterprise Manager Cloud Control 12c R3 (12.1.0.3.0)
- Oracle Enterprise Manager Cloud Control 12c R4 (12.1.0.4.0)

What is supported

For the list of supported hardware, software, operating systems and web browsers, see *Dell OpenManage Plug-in Version 2.0 for Oracle Enterprise Manager 12c Installation Guide* at dell.com/support/manuals.

Supported operating systems

Oracle Management Server:

- All Oracle supported Oracle Management Servers (OMS) operating systems

Oracle Management Agent:

- Oracle Enterprise Linux 4 (32-bit and 64-bit)
- Oracle Linux 5 (32-bit and 64-bit)
- Oracle Linux 6 (64-bit)
- Red Hat Enterprise Linux 4 and 5 (32-bit)
- Red Hat Enterprise Linux 4, 5, and 6 (64-bit)
- Microsoft Windows Server 2008 (32-bit)
- Microsoft Windows Server 2003, 2008, 2008 R2, and 2012 (64-bit)

Note: Dell OpenManage Plug-in for OEM is supported on Guest operating systems (Oracle Linux, Red Hat Enterprise Linux, and Microsoft Windows) running Oracle VM listed in the preceding section.

Supported web browsers

- Mozilla Firefox versions 12 to 29
- Google Chrome versions 17 to 35
- Microsoft Internet Explorer versions 8 to 11
- Apple Safari versions 5 to 7

What's new

Dell OpenManage Plug-in Version 2.0 for Oracle Enterprise Manager 12c supports OEM 12c R4 version, and also includes several fixes for the previous release of the plug-in (version 1.0). For more information about the fixes, see the following section.

Fixes

- Oracle database is not being detected/displayed in the 'Health and Availability' sub-section within VM target. [122]
- Alert timestamps are returned in UTC time zone. [120]
- Using periods in Dell OpenManage Essentials (Home) target name stops data collection of specific metrics. [119]
- Duplicate device names result in repeating key value error in metric collection. [114]
- Incorrect data source labels in the plug-in. [100]

Important notes

Open Source Software

This product utilizes various open source software. This includes libraries and frameworks to aid in the collection of data metrics. To view the attribution to the open source software used, see the Open Source Attribution text file located at: "[install_media]/oss_attribution.txt".

A collection of all the licenses affiliated with the open source software used in this plug-in can be found in the following directory: "[install_media]/licenses".

Known issues

N/A

Limitations

The Dell OpenManage Essentials Plug-in for OEM 12c has the following limitations:

- The plug-in does not support versions of OpenManage Essentials prior to version 1.3.
- Dell OpenManage Server Administrator (OMSA) agent for monitoring Dell 9G to 12G hardware using in-band mode is currently not supported on managed nodes running Oracle Linux operating system. To monitor managed nodes running Oracle Linux operating system, use integrated Dell Remote Access Controller 7 (iDRAC7).

Note: iDRAC7 is available only on Dell PowerEdge 12G servers.

Installation prerequisites

For prerequisites, installation, configuration, and uninstallation related information, see the *Dell OpenManage Plug-in Version 2.0 for Oracle Enterprise Manager 12c Installation Guide* at dell.com/support/manuals.

- Client display requirements:
 - Client display capable of 1440x852 (8:5) or 1920x1080 (16:9) or more

- OMA system requirements:
 - 1 GB of RAM above and beyond the requirement for OMA
 - 2.0 GHz dual-core processor
- OMS software requirements:
 - OMS requires that the Oracle emcli utility is installed and configured. For more information, see the Oracle Enterprise Manager (OEM) documentation.
- Adobe Flash plug-in:
 - Dell OpenManage Essentials Plug-in for OEM utilizes the Flash plug-in for displaying graphical data in Oracle Enterprise Manager. It is recommended that you have the latest version of Flash installed and enabled on the web browser being used for connecting to the Oracle Cloud Control interface.

Installation instructions

The procedure for installing Dell OpenManage Essentials Plug-in for OEM 12c follows the standard Oracle documented procedure for installing any non-Oracle OEM plug-in.

The following are the basic steps:

1. Import the .opar file into the OMS.
Like other non-Oracle plug-ins, the OpenManage plug-in must be imported using the emcli import_update command. The following is an example of the command:
`$ emcli import_update -file=C:\dell.em.ome_12.1.0.2.0.opar -omslocal`
2. Deploy plug-in to OMS
After the plug-in is uploaded to the OMS, the plug-in must then be deployed to the OMS either through the emcli command or using the "Plug-ins" page in Cloud Control.
3. Deploy plug-in to OMA
In addition to the OMS deployment, the plug-in must also be deployed to the OMA. This can be done either through the emcli command or using the "Plug-ins" page in Cloud Control.
4. Manually add the Dell OpenManage Essentials target
Dell OpenManage Plug-in for OEM utilizes a parent-child target structure, meaning that each Dell device monitored from OpenManage Essentials will be a child target of an OpenManage Essentials plug-in target. Therefore, one (parent) OpenManage Essentials target must be manually discovered first. This process can be completed through the "Add Targets Manually" page in Oracle Cloud Control.
5. Configure and run auto-discovery for device targets
After the OpenManage Essentials parent target has been successfully added, the auto discovery process may be run for the device targets. The auto discovery process can be run from the "Configure Auto Discovery" page in Oracle Cloud Control.
6. Promote all desired device targets
After the discovery process is complete, view the discovery results to see the targets that have been discovered. Select all targets in this list that you want to have data collected from and then click the Promote button.

Upgrade

The procedure for upgrading to Dell OpenManage Essentials Plug-in Version 2.0 for OEM 12c is similar to the installation of the base version of the plug-in with the exception that it is not necessary to discover and promote afresh already existing targets in OEM console. However, if it is desired to add additional targets, you may do so at this time. Fixes contained in this version will be applied during the plug-in's next collection.

The following are the basic steps to upgrade the plug-in:

1. Import the .opar into the OMS.
Like other non-Oracle plug-ins, the OpenManage plug-in must be imported using the emcli import_update command. The following is an example of the command:

```
$ emcli import_update -file=C:\dell.em.ome_12.1.0.2.0.opar -omslocal
```
2. Deploy plug-in to OMS
After the plug-in is uploaded to the OMS, the plug-in must then be deployed to the OMS either through the emcli command or using the "Plug-ins" page in Cloud Control.
3. Deploy plug-in to OMA
In addition to the OMS deployment, the plug-in must also be deployed to the OMA. This, also, can be done either through the emcli command or using the "Plug-ins" page in Cloud Control.
4. Configure and run auto-discovery for device targets (optional)
If desired, the auto discovery process may be run again for the device targets. The auto discovery process can be run from the "Configure Auto Discovery" page in Oracle Cloud Control.
5. Promote all desired device targets (optional)
After the discovery process is complete, view the discovery results to see the targets that have been discovered. Select all targets in this list that you want to have data collected from and then click the Promote button.

Uninstallation

To uninstall Dell OpenManage Essentials Plug-in for OEM 12c, perform the following steps:

1. Navigate to the "Plug-ins" page in Oracle Cloud Control.
2. Select the "Dell OpenManage Essentials" plug-in from the list located under "Servers, Storage and Network".
3. Choose "Management Agents" from the "Undeploy From" drop-down list.
4. After completing this process, perform the same process for the "Management Servers".

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. Visit **support.dell.com**.
2. Select your support category.
3. If you are not a U.S. customer, select your country code at the bottom of the **support.dell.com** page, or select **All** to see more choices.
4. Select the appropriate service or support link based on your need.

For information on documentation support, visit **dell.com/OpenManageManuals**.

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