

OpenManage Management Pack for vRealize Operations Manager Version 1.0 Installation Guide



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.

Contents

1 Introduction.....	4
Requirements.....	4
2 Configuring OMIVV.....	5
3 Installing OpenManage Management Pack for vRealize Operations Manager	6
Adding OMIVV instance	6
Removing OMIVV instances.....	7
4 Troubleshooting.....	9



Introduction

The OpenManage Management Pack for vRealize Operations Manager allows you to monitor the health status and analyze important metrics of the Dell PowerEdge servers and chassis that are managed by OpenManage Integration for VMware vCenter (OMIVV) 4.0 or later.

Requirements

Following are the requirements to install OpenManage Management Pack for vRealize Operations Manager:

- Ensure that you install VMware vRealize Operations Manager (vROPS) version 6.3 or later before installing the OpenManage Management Pack.
- OpenManage Management Pack for vRealize Operations Manager requires the OMIVV version 4.0 or later.
- Ensure that you have an OMIVV license to manage the Dell hosts. For more information about the OMIVV license, see *OpenManage Integration for VMware vCenter Quick Installation Guide for vSphere Web Client*.
- Ensure that the vROPS configuration is set to large, if more than 500 servers are managed.
- Ensure that the hosts are part of the connection profile of Dell OMIVV to manage them using Dell management pack.
- Dell recommends using firmware version of iDRAC 2.40.40.40 or later for accurate management and monitoring of servers.

Configuring OMIVV

Extended monitoring support needs to be enabled to configure with vROPS.


To enable the extended monitoring support, perform the following steps:

1. To launch the OMIVV administration console, start a web browser and provide the **https:\\<Appliance IP> or <Appliance Hostname>**.
2. Type the password in the **Login** field.
3. In the left pane, click **APPLIANCE MANAGEMENT** and scroll down to the **EXTENDED MONITORING** section.
4. In the **EXTENDED MONITORING** section, click **Edit**, and then click **Enable** or **Disable** to enable or disable the extended monitoring support. Extended monitoring support is disabled by default.



Installing OpenManage Management Pack for vRealize Operations Manager

To install the OpenManage Management Pack for vRealize Operations Manager, perform the following steps:


1. Go to Dell.com/Support/Home.
2. In the **View products** section, click **Software & Security**.
3. In the **Software & Security** group box, click **Virtualization Security**.
4. To view a document, click the required product version.
The **Product Support** page is displayed.
5. Download self-extractable .exe file that consists of the Release Notes and Dell OpenManage Management Pack .pak file from the Dell support site.
6. Extract the .exe file stored in a temporary location.
7. Open **vRealize Operations Manager** console as, **https://<IP or Hostname or FQDN>**.
8. In the left pane of **vRealize Operations Manager**, click **Administration → Solutions**.
9. In the **Solutions** tab, click .
The **Add Solution** page is displayed.
10. To navigate to the location of the .pak file, click **Browse**.
11. Select **OpenManageAdapter** .pak file.
12. Click **Upload**.
13. To continue, click **Next**.
The **Dell End User License Agreement (EULA)** is displayed.
14. Select **To accept the terms of agreement**, and click **Next**.
15. Click **Finish**.
The **Dell OpenManage Management Pack for vRealize Operations Manager** is now listed in the **Solutions** tab of **vRealize Operations Manager**.

Adding OMIVV instance

Ensure that you add an adapter instance by providing either the host name, or FQDN, or IP address and the appropriate login credentials of OMIVV and vROPS.

To add an adapter instance, perform the following steps:

1. In a browser, launch the **vRealize Operations Manager** user interface.
2. Log in as an administrator.
3. Click **Administration → Solutions**.
The **Manage Solutions** screen is displayed.
4. Select **Dell OpenManage Management Pack for vRealize Operations Manager**, and click **Configure**.
5. In **Manage Solution — Dell OpenManage vRealize Operations Management Pack** screen, perform the following steps:
 - a. Instance Settings:

1. In the **Description** field, enter a description.
- b. Basic Settings:
 1. Type the host name, or FQDN, or IP address of the OMIVV instances.
 2. To add login credentials, click .
 3. Provide appropriate admin (default username) credentials for authenticating with OMIVV and make sure you have an administrative privilege for authenticating with vROPS.
 4. Click **OK**.
 5. To validate the settings that you entered, click **Test Connection**.

 **NOTE:**

Ensure that the extended monitoring is enabled or **Unable to establish a valid connection to the target system. Extended Monitoring is disabled. Enable Extended Monitoring in OMIVV admin portal** error message is displayed. For more details, see [Configuring with OMIVV](#).

- c. Advanced Settings:
 1. Expand **Advanced Settings** and select a collector from the list.
 2. Dell recommends you to set the value as **True** to use Auto Discovery.
 3. Click **Save Settings**.
 4. Click **Close**.

Dell OpenManage Management Pack for vRealize Operations Manager starts collecting data from the OMIVV server instance.

 **NOTE:**

After adding OMIVV instance, the data and alerts for the server and chassis are populated after three data collection cycles. By default data collection cycle runs every 5 minutes.

 **NOTE:**

vROPS credential is required for creating the relationship between physical servers and ESXi hosts.

 **NOTE:**

If you provide invalid credentials for vROPS, the **Unable to establish a valid connection to the target system. Check that vROPS credentials are correct or not** error message is displayed.

6. Go to **Homepage**, from the **Dashboard list** drop-down menu, select **Dell OpenManage dashboards**.

Dell OpenManage dashboards are now displayed.

 **NOTE:**

If the OMIVV IP is changed, update the IP in **Manage Solution** wizard.

 **NOTE:**

If you want to replace the existing OMIVV instance with another OMIVV, delete existing OMIVV instance and then configure with new OMIVV instance.

Removing OMIVV instances

1. In a browser, open the **vRealize Operations Manager** user interface.
2. Log in as an administrator.
3. Click **Administration** → **Solutions**.
The **Manage Solutions Screen** is displayed.
4. Click **Management Pack Solution**.
5. Select **Dell OpenManage vRealize Operations Management Pack**, and then click **Configure**.
List of adapter instances are displayed.
6. Select a required instance, and then click **Delete**.





NOTE:

You can disable the extended monitoring in OMIVV after deleting the instance(s).

Troubleshooting

- Firmware metrics are not collected when the inventory runs for the first time. The firmware metrics are available from the second cycle of inventory.
- While installing the adapter for the first time, all the Dell created custom icons are not associated. The icons are associated after you relogin.
- When you delete the configured instance of the OMIVV, then in the inventory view, the older instance's of servers and chassis may be listed as unknown state; delete these components from inventory explorer page.
- When you configure the adapter with the OMIVV instance and then delete it and reconfigure it again, the widgets in dashboards may not be loaded. To populate the data, reconfigure the widgets.
- Chassis components are reported with healthy and non-healthy status. All non-healthy component status are reported as critical.

