

vRealize Operations Manager Plugin in vCenter Server

23 APR 2018

VMware vSphere 6.7

VMware ESXi 6.7

vCenter Server 6.7

vRealize Operations 6.7



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vRealize Operations Manager Plugin in vCenter Server

The *vRealize Operations Manager Plugin in vCenter Server* documentation provides information about installing vRealize Operations Manager and viewing vCenter Server and vSAN details.

Intended Audience

This information is intended for anyone who wants to install and use vRealize Operations Manager in vSphere. The information is written for experienced Windows or Linux system administrators who are familiar with virtual machine technology and data center operations.

VMware Technical Publications Glossary

VMware Technical Publications provides a glossary of terms that might be unfamiliar to you. For definitions of terms as they are used in VMware technical documentation, go to <http://www.vmware.com/support/pubs>.

Introduction

The earlier release of vRealize Operations Manager with vCenter Server was shipped with the NGC plugin.

The new vRealize Operations Manager plugin in vCenter Server, provides a mechanism to provide specific metrics and high-level information about data centers, datastores, VMs, and hosts, for the vCenter Server and vSAN. The plugin is supported only in the HTML5 version of the vSphere Client.

Installing vRealize Operations Manager

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The vRealize Operations Manager plugin in vCenter Server is integrated with vCenter Server 6.7.

You can navigate to the vRealize Operations Manager plugin from the vSphere Client HTML5 6.7 user interface by clicking **Menu > vRealize Operations Manager**. If you have an older version of vCenter Server, upgrade to vCenter Server 6.7 to view the plugin.

To view the widgets in the vSphere Client HTML5 user interface, you can either:

- Install a new instance of vRealize Operations Manager 6.7.
- Configure an existing instance of vRealize Operations Manager 6.7.

If you do not have an instance of vRealize Operations Manager 6.7, you cannot proceed further. If the instance of vRealize Operations Manager is not reachable by the vCenter Server, an error message is displayed, indicating that the vRealize Operations Manager server is not reachable.

This chapter includes the following topics:

- [Install a New Instance of vRealize Operations Manager in vCenter Server](#)
- [Configure an Existing Instance of vRealize Operations Manager in vCenter Server](#)
- [Licensing](#)

Install a New Instance of vRealize Operations Manager in vCenter Server

You can use this option to install a new instance of vRealize Operations Manager.

Prerequisites

Virtual CPU and Memory Requirements

- 4 vCPU
- 16 GB vRAM

Storage Requirements

- 274 GB (size on disk for thick provisioning)

- Datastore space > 200 GB

Network Requirements

- Internet connection for online install.

Procedure

- 1 From the vSphere Client HTML 5 user interface, click **Menu > vRealize Operations**.
- 2 Click **Install**.

The new Install vRealize Operations window appears.

- 3 From an Installation Mode, select the required type of installation.

Option	Description
Online Install	You can install an instance of vRealize Operations Manager online, wherein your vCenter Server and the browser from where the install is carried out must have Internet access.
Offline Install	From the vSphere Client HTML5 user interface, you can install an instance of vRealize Operations Manager if the OVA file of vRealize Operations Manager is already present in the local desktop or laptop where the install is carried out.

- 4 Provide the logged in vCenter Server IP and FQDN credentials and click **Test Connection**.
- 5 Click **Next**.
- 6 Enter the data center, cluster, host, datastore, and network information.
- 7 For a static IP configuration, enter the network details. (Optional)
For a DHCP instance, if the fields are left empty, the credentials are assigned by the DHCP server.
- 8 Read the **Summary** and click **Install**.

The default user name of an installed instance of vRealize Operations Manager is **admin** and the default password is **Vmware@123**.

Configure an Existing Instance of vRealize Operations Manager in vCenter Server

You can use this option to configure an existing instance of vRealize Operations Manager 6.7.

Prerequisites

Verify that you have an existing instance of vRealize Operations Manager 6.7.

Procedure

- 1 From the vSphere Client HTML5 user interface, click **Menu > vRealize Operations**.
- 2 Click **Configure Existing Instance**.
- 3 Enter the instance FQDN IP address and provide the user credentials of the vRealize Operations Manager instance and click **Test Connection**.

- 4 Click **Next**.
- 5 Enter the vCenter Server 6.7 IP address and user credentials and click **Test Connection**.
You must enter the IP address of the vCenter Server 6.7 instance from which you carry out operations.
- 6 Click **Next**.
- 7 Review the summary and click **Configure**.

Licensing

The plugin works for a 60-day trial period (this period is determined from the evaluation license period of vRealize Operations Manager).

To continue to use the plugin after 60 days, at least one of the following should be true:

- vRealize Operations Manager 6.7 is licensed.
- The vSAN cluster is licensed.

Note If a license for vRealize Operations Manager or vSAN is not present, the plugin stops working.

Using the vRealize Operations Manager Plugin in vCenter Server

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You can use the plugin to view specific vCenter Server and vSAN details. You can also navigate to vRealize Operations Manager from the plugin.

This chapter includes the following topics:

- [Accessing Quick Links from the vSphere Client](#)
- [vCenter Details](#)
- [vSAN Details](#)
- [Accessing vRealize Operations Manager](#)

Accessing Quick Links from the vSphere Client

To access quick links, in the vSphere Client HTML5 user interface, from the vRealize Operations page, click the **Quick Links** drop-down menu on the upper right side.

You can view vCenter Server and vSAN navigation options from the Quick Links drop-down menu.

vCenter Details

You can view summary details of all the clusters, specific cluster details, and alert details for the vCenter Server.

vCenter Overview

The vCenter Overview page summarizes the overall information of inventory objects at the vCenter Server level. You can view the number of data centers, clusters, hosts, virtual machines, and resource pools for the vCenter Server. To access this option, navigate to **Quick Links > vCenter > Overview** . If you do not have any vSAN clusters configured, a message is displayed stating that there are no vSAN clusters. There are delays in the collection of statistics in the initialization stage.

Table 3-1. vCenter Overview

Widgets	Description
Are there any issues?	Displays the critical alerts. For more information, click View Details .
Am I running out of capacity?	Displays whether there is sufficient storage, memory, and CPU capacity.
What can be reclaimed?	Displays the CPU, memory, and storage resources that can be reclaimed. Potential cost saving data is also displayed if present, in the appropriate currency.
How many VMs running?	Displays the number of VMs that are running including details of VMs that are powered off and idle.
What is the operating system distribution?	Displays the operating system distribution of the different VMs in the vCenter Server.
Are clusters configured for HA?	Displays the number of clusters that are configured with and without HA.
Are clusters Workload Balanced?	Displays whether DRS is enabled in a cluster.

vCenter Cluster View

You can view the number of hosts, VMs, and datastores in the cluster. You can also view whether the cluster is HA and DRS enabled. To access this option, navigate to **Quick Links > vCenter > Cluster View**. Click the **Change Cluster** option to view information for different clusters.

Table 3-2. vCenter Cluster View

Widgets	Description
Are there any issues?	Displays the critical alerts. For more information, click View Details .
Time remaining before capacity runs out.	Displays the time remaining before CPU, memory, and storage capacity runs out.
What can be reclaimed?	Displays the CPU, memory, and storage resources that can be reclaimed.
How is my infrastructure utilized?	Displays the time series data for the last 24 hours, for storage compute and network utilization data.
Top VMs facing CPU contention and disk latency.	Displays the top-five VMs that face CPU and memory contention.
Top VMs facing memory contention	Displays the top-five VMs that face memory contention.
Top VMs facing disk latency	Displays the top-five VMs that face disk latency.

Alerts

You can view alerts pertaining to objects in the vCenter Server. You can view the alerts based on their criticality. To access this option, navigate to **Quick Links > vCenter > Alerts**. The datagrid displays a list of alerts and the relevant details such as the criticality of each alert, the object it is triggered on, and the type of alert. Click the **Open in vRealize Operations** link in the data grid to navigate to the user interface of vRealize Operations Manager. You can find out the object for which the alert is triggered and the remediation details.

vSAN Details

You can view summary details of all the clusters, specific cluster details, and alert details for the vSAN. If you do not have any vSAN clusters configured, an error message is displayed and the widgets are not displayed in the vSAN overview and vSAN cluster view pages.

vSAN Overview

You can view the number of hosts, vSAN clusters, cache disks, VMs, and capacity disks for all the clusters. To access this option, navigate to **Quick Links > vSAN > Overview**.

Table 3-3. vSAN Overview

Widgets	Description
Are there any issues?	Displays the critical alerts across your vSAN. For more information, click View Details .
Am I running out of capacity?	Displays whether there is sufficient capacity.
What is the component limit?	Displays the available component limit.
Disk IOPs	Displays the IOPs per second.
Disk throughput	Displays the throughput per second.
Compression	Displays whether compression is enabled or disabled.
Deduplication	Displays whether deduplication is enabled or disabled.

Note The values for compression and deduplication are the same.

vSAN Cluster View

You can view the number of hosts, cache disks, virtual machines, and capacity disks for the relevant cluster. You can also view if deduplication and compression are enabled. To access this option, navigate to **Quick Links > vSAN > Cluster View**. Click the **Change Cluster** option to view information for different clusters.

Table 3-4. vSAN Cluster View

Widgets	Description
Are there any issues?	Displays the critical alerts across your vSAN. For more information, click View Details .
What is the remaining capacity?	Displays the available, used, and total capacity.
What is the component limit?	Displays the components used in the cluster.
Disk IOPs	Displays the IOPs per second for the cluster.
Disk throughput	Displays the throughput per second for the cluster.
Disk Latency	Displays the disk latency for the cluster.
Read Latency vs Write Latency	Displays the read latency and write latency for the cluster.

Alerts

You can view alerts pertaining to objects in the vSAN cluster. You can view the alerts based on their criticality. To access this option, navigate to **Quick Links > vSAN > Alerts**. The datagrid displays a list of alerts and the relevant details such as the criticality of each alert, the object it is triggered on, and the type of alert. Click the **Open in vRealize Operations** link in the data grid to navigate to vRealize Operations Manager. You can find out the object for which the alert is triggered and the remediation details

Accessing vRealize Operations Manager

For more information and troubleshooting, you can open and access vRealize Operations Manager by selecting **Quick Links > Open vRealize Operations**.