



Configuring VM Managers

This section includes the following topics:

- [VM Manager Overview, page 1](#)
- [Configuring VM Managers Under Administration, page 2](#)
- [Configuring VM Managers Under Resource Management, page 5](#)

VM Manager Overview

VNMC VM Manager connects to vCenter on port 80. A vCenter extension file is required to establish a connection between VM Manager and vCenter. The extension file is exported from VNMC and linked on the VM Managers tab. You install the vCenter extension file as a plugin on all vCenter servers to which you want to connect.

You can install a VM Manager in VNMC under Administration or Resource Management, depending on your environment and requirements. For more information, see the following topics:

- [Adding a VM Manager Under Administration, on page 2](#)
- [Adding a VM Manager Under Resource Management, on page 5](#)



Note

In VMware, a VM can be nested within resources. For example, a VM can be part of a resource pool that resides in a virtual application (vApp). However, when you view VM properties (Resource Management > Resources > Virtual Machines > VM Managers > *vm-manager* > *vm*), only the top resource is displayed. In the example in this discussion, only the vApp name is displayed and not that of the resource pool.

Configuring VM Managers Under Administration

Adding a VM Manager Under Administration

You can add a VM Manager to VNMC under Resource Management or Administration. This procedure describes how to add a VM Manager under Administration. For information on adding a VM Manager under Resource Management, see [Adding a VM Manager Under Resource Management, on page 5](#).

Before You Begin

A vCenter extension file is required to establish a secure connection between the vCenter and the VM Manager. Export the vCenter extension file by clicking **Export vCenter Extension**, and installing it as a plugin on all the vCenter servers.

You can find the Export vCenter Extension option in the following locations:

- Choose **Resource Management > Resources > Virtual Machines > VM Managers**, then click the **VM Managers** tab.
- Choose **Administration > VM Managers > VM Managers**, then click the **VM Managers** tab.



Note

On the Plug-In Manager page of the vCenter, scroll to the end of the page, and right-click to view the New Plug-in menu.

Procedure

- Step 1** Choose **Administration > VM Managers > VM Managers**.
- Step 2** In the VM Managers tab, click **Add VM Manager**.
- Step 3** In the Add VM Manager dialog box, complete the following fields, then click **OK**:

Field	Description
Name	VM Manager name. This name can be between 1 and 256 identifier characters. You can use alphanumeric characters including hyphens, underscore, dot, and colon. You cannot change this description after it is saved.
Description	Brief VM Manager description. This description can be between 1 and 256 identifier characters. You can use alphanumeric characters including hyphens, underscore, dot, and colon.
Hostname/IP Address	Hostname or IP address of the VM Manager.

Field	Description
Port Number	Port to use for communications with the VM Manager.

After you add a VM Manager, VNMC fetches the VMs available on vCenter with Nexus 1000V port profiles attached, and displays them under Resource Management > Resources > Virtual Machines.

Editing a VM Manager

Procedure

- Step 1** Choose **Administration > VM Managers > VM Managers**.
- Step 2** In the VM Managers tab, select the VM Manager you want to edit, then click **Edit**.
- Step 3** In the Edit VM Manager dialog box, edit the information as required, then click **OK**.

Name	Description
Name	VM Manager name (read-only).
Description	Description of the VM Manager.
Hostname/IP Address	VM Manager hostname or IP address (read-only).
Port Number	Port to use for communications with the VM Manager (read-only).

Name	Description
Admin State	<p>One of the following administrative states for the VM Manager:</p> <ul style="list-style-type: none"> • enable—When a vCenter is added to VNMC with the administrative state of enable, the system fetches all VM inventory from vCenter. Any changes that occur to the VM on vCenter are also fetched. • disable—When a vCenter is added to VNMC with the administrative state of disable, the system displays all discovered VMs from vCenter. Any changes that occur to the VMs on the vCenter are not fetched. The changes will be fetched by VNMC when the admin state is changed to enable. <p>Changing the administrative state of the VM Manager depends on the operational state of the system:</p> <ul style="list-style-type: none"> • To change the administrative state of the system to enabled, the operational state must be down. • To change the administrative state of the system to disabled, the operational state must be up. <p>If your request to change the admin state fails, resubmit the request when the system has the correct operational state.</p>
Type	VM Manager vendor (read-only).
Version	VM Manager version (read-only).
Operational State	<p>One of the following operational states (read-only):</p> <ul style="list-style-type: none"> • up • unreachable • bad-credentials • comm-error • admin-down • unknown
Operational State Reason	Provides the reason for the operational state if the operational state is anything other than <i>up</i> (read-only).

Deleting a VM Manager

Procedure

- Step 1** Choose **Administration > VM Managers > VM Managers**.
- Step 2** In the VM Managers tab, select the VM Manager you want to delete, then click **Delete**.
- Step 3** When prompted, confirm the deletion.
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Configuring VM Managers Under Resource Management

Adding a VM Manager Under Resource Management

You can add a VM Manager to VNMC under Resource Management or Administration. This procedure describes how to add a VM Manager under Resource Management. For information on installing a VM Manager under Administration, see [Adding a VM Manager Under Administration, on page 2](#).

Before You Begin

A vCenter extension file is required to establish a secure connection between the vCenter and the VM Manager. Export the vCenter extension file by clicking **Export vCenter Extension**, and installing it as a plugin on all the vCenter servers.

You can find the Export vCenter Extension option in the following locations:

- Choose **Resource Management > Resources > Virtual Machines > VM Managers**, then click the **VM Managers** tab.
- Choose **Administration > VM Managers > VM Managers**, then click the **VM Managers** tab.

**Note**

On the vCenter Plug-In Manager page, scroll to the end of the page, and right-click to view the New Plug-in menu.

Procedure

- Step 1** Choose **Resource Management > Resources > Virtual Machines > VM Managers**.
- Step 2** In the VM Managers tab, click **Add VM Manager**.
- Step 3** In the Add VM Manager dialog box, complete the following fields, then click **OK**:

Field	Description
Name	VM Manager name. This name can be between 1 and 256 identifier characters. You can use alphanumeric characters including hyphens, underscore, dot, and colon. You cannot change this description after it is saved.
Description	Brief VM Manager description. This description can be between 1 and 256 identifier characters. You can use alphanumeric characters including hyphens, underscore, dot, and colon.
Hostname/IP Address	Hostname or IP address of the VM Manager.
Port Number	Port to use for communications with the VM Manager.

After you add a VM Manager, VNMC fetches the VMs available on vCenter with Nexus 1000V port profiles attached, and displays them under Resource Management > Resources > Virtual Machines.

Editing a VM Manager

Procedure

- Step 1** Choose **Resource Management > Resources > Virtual Machines > VM Managers**.
- Step 2** In the VM Managers tab, select the VM Manager you want to edit, then click **Edit**.
- Step 3** In the Edit VM Manager dialog box, edit the information as required, then click **OK**.

Name	Description
Name	VM Manager name (read-only).
Description	Description of the VM Manager.
Hostname/IP Address	VM Manager hostname or IP address (read-only).
Port Number	Port to use for communications with the VM Manager (read-only).

Name	Description
Admin State	<p>One of the following administrative states for the VM Manager:</p> <ul style="list-style-type: none"> • enable—When a vCenter is added to VNMC with the administrative state of enable, the system fetches all VM inventory from vCenter. Any changes that occur to the VM on vCenter are also fetched. • disable—When a vCenter is added to VNMC with the administrative state of disable, the system displays all discovered VMs from vCenter. Any changes that occur to the VMs on the vCenter are not fetched. The changes will be fetched by VNMC when the admin state is changed to enable. <p>Changing the administrative state of the VM Manager depends on the operational state of the system:</p> <ul style="list-style-type: none"> • To change the administrative state of the system to enabled, the operational state must be down. • To change the administrative state of the system to disabled, the operational state must be up. <p>If your request to change the admin state fails, resubmit the request when the system has the correct operational state.</p>
Type	VM Manager vendor (read-only).
Version	VM Manager version (read-only).
Operational State	<p>One of the following operational states (read-only):</p> <ul style="list-style-type: none"> • up • unreachable • bad-credentials • comm-error • admin-down • unknown
Operational State Reason	Provides the reason for the operational state if the operational state is anything other than <i>up</i> (read-only).

Deleting a VM Manager

Procedure

- Step 1** In the Navigation pane, click the **Resource Management** tab.
 - Step 2** In the Navigation pane, click the **Resources** subtab.
 - Step 3** In the **Navigation** pane, click **Virtual Machines**.
 - Step 4** In the **Work** pane, click the **VM Managers** tab.
 - Step 5** In the **VM Managers** table, click the VM Manager you want to delete.
 - Step 6** Click **Delete**.
 - Step 7** In the Confirm dialog box, click **Yes**.
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