



## Configuring VM Managers

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This chapter includes the following sections:

- [VNMC VM Manager vCenter Connection, page 1](#)
- [Configuring VM Managers from the Administration Tab, page 1](#)
- [Configuring VM Managers from the Resource Management Tab, page 4](#)

### VNMC VM Manager vCenter Connection

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 Cisco VNMC and linked on the VM Managers tab. You install it as a plugin on all the vCenter servers to which you want to connect.

## Configuring VM Managers from the Administration Tab

### Adding a VM Manager

#### 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 the **Export vCenter Extension** link, and installing it as a plugin on all the vCenter servers.



**Note**

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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.

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## Procedure

- Step 1** In the **Navigation** pane, click the **Administration** tab.
- Step 2** In the **Navigation** pane, click the **VM Managers** subtab.
- Step 3** In the **Navigation** pane, click the **VM Managers** node to view the **VM Managers** work pane.
- Step 4** In the **Work** pane, click the **Add VM Manager** link.
- Step 5** In the **Add VM Manager** dialog box, complete the following fields:

Name	Description
Name field	The name of the VM Manager.  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 field	A description of the VM Manager.  This description 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.
Hostname/IP Address field	The host name or IP address of the VM Manager.

- Step 6** Click **OK**.

**Note** Once a VM Manager is added, Cisco VNMC fetches the hypervisor/VMs and displays it in the **Resource Manager > Resources** tab. Only VMs with Cisco Nexus 1000V Series switch port profiles attached are fetched.

## Editing a VM Manager

### Procedure

- Step 1** In the **Navigation** pane, click the **Administration** tab.
- Step 2** In the **Navigation** pane, click the **VM Managers** subtab.
- Step 3** In the right **Work** pane, click the VM Manager you want to edit.
- Step 4** Click the **Edit** link.
- Step 5** In the **Edit VM Manager** dialog box, edit the appropriate information as required.

Name	Description
Name field	The name of the VM Manager. This field cannot be edited.
Description field	A description of the VM Manager.
Hostname/IP Address field	The hostname or IP address of the VM Manager. This field cannot be edited.
Admin State field	<p>The administrative state for the VM Manager. This can be one of the following states:</p> <ul style="list-style-type: none"> <li>• <b>enable</b></li> <li>• <b>disable</b></li> </ul> <p>When a vCenter is added to Cisco VNMC, with the <b>enable</b> option, the system fetches all the VM inventory from vCenter. Any changes occurring to the VMs on vCenter are also fetched.</p> <p>When a vCenter is added to Cisco VNMC, with the <b>disable</b> option, the system displays all the discovered VMs from vCenter. Any changes occurring to the VMs on the vCenter are not fetched. The changes will be fetched by Cisco VNMC when the admin state is changed to <b>enable</b>.</p>
Type field	The vendor for this VM Manager.
Version field	The version of the VM Manager.
Operational State field	<p>This can be:</p> <ul style="list-style-type: none"> <li>• <b>up</b></li> <li>• <b>unreachable</b></li> <li>• <b>bad-credentials</b></li> <li>• <b>comm-error</b></li> <li>• <b>admin-down</b></li> <li>• <b>unknown</b></li> </ul>
Operational State Reason field	The operational state.

**Step 6** Click **OK**.

## Deleting a VM Manager

### Procedure

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- Step 1** In the **Navigation** pane, click the **Administration** tab.
  - Step 2** In the **Navigation** pane, click the **VM Managers** subtab.
  - Step 3** In the **Work** pane, click the **VM Managers** tab.
  - Step 4** In the **VM Managers** table, click the VM Manager you want to delete.
  - Step 5** Click the **Delete** link.
  - Step 6** In the **Confirm** dialog box, click **Yes**.
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## Configuring VM Managers from the Resource Management Tab

### Adding a VM Manager

#### 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 the **Export vCenter Extension** link, and installing it as a plugin on all the vCenter servers.



- 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.
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### Procedure

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- 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 **Navigation** pane, click the **VM Managers** node.
- Step 5** In the **Work** pane, click the **Add VM Manager** link.
- Step 6** In the **Add VM Manager** dialog box, complete the following fields:

Name	Description
Name field	The name of the VM Manager. 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 field	A description of the VM Manager. This description 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.
Hostname/IP Address field	The host name or IP address of the VM Manager.

**Step 7** Click **OK**.

**Note** Once a VM Manager is added, Cisco VNMC fetches the hypervisor/VMs and displays it in the **Resource Manager > Resources** tab. Only VMs with Cisco Nexus 1000V Series switch port profiles attached are fetched.

## Editing 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 **Navigation** pane, click the **VM Managers** node.
- Step 5** In the right **Work** pane, click the VM Manager you want to edit.
- Step 6** Click the **Edit** link.
- Step 7** In the **Edit VM Manager** dialog box, edit the appropriate information as required.

Name	Description
Name field	The name of the VM Manager. This field cannot be edited.
Description field	A description of the VM Manager.
Hostname/IP Address field	The hostname or IP address of the VM Manager. This field cannot be edited.

Name	Description
<b>Admin State</b> field	<p>The administrative state for the VM Manager. This can be one of the following states:</p> <ul style="list-style-type: none"> <li>• <b>enable</b></li> <li>• <b>disable</b></li> </ul> <p>When a vCenter is added to Cisco VNMC, with the <b>enable</b> option, the system fetches all the VM inventory from vCenter. Any changes occurring to the VMs on vCenter are also fetched.</p> <p>When a vCenter is added to Cisco VNMC, with the <b>disable</b> option, the system displays all the discovered VMs from vCenter. Any changes occurring to the VMs on the vCenter are not fetched. The changes will be fetched by Cisco VNMC when the admin state is changed to <b>enable</b>.</p>
<b>Type</b> field	The vendor for this VM Manager.
<b>Version</b> field	The version of the VM Manager.
<b>Operational State</b> field	<p>This can be:</p> <ul style="list-style-type: none"> <li>• <b>up</b></li> <li>• <b>unreachable</b></li> <li>• <b>bad-credentials</b></li> <li>• <b>comm-error</b></li> <li>• <b>admin-down</b></li> <li>• <b>unknown</b></li> </ul>
<b>Operational State Reason</b> field	The operational state.

**Step 8** Click OK.

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## Deleting a VM Manager

### Procedure

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- 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 the **Delete** link.
  - Step 7** In the **Confirm** dialog box, click **Yes**.
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