



Registering Devices With the Cisco Prime NSC

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Registering a Cisco VSG

You can register a Cisco VSG with the Cisco Prime NSC. Registration enables communication between the Cisco VSG and the Cisco Prime NSC.

SUMMARY STEPS

1. Copy the `vnmc-vsgpa.2.1.1b.bin` file into the Cisco VSG bootflash:
2. On the command line, enter configuration mode.
3. Enter the `config-vnm-policy-agent` mode.
4. Set the Cisco Prime NSC registration IP address.
5. Specify the shared-secret of Cisco Prime NSC.
6. Install the policy agent.
7. Exit all modes.
8. On the Cisco VSG command line, enter the `show vnm-pa status` command:
9. Save the change persistently through reboots and restarts by copying the running configuration to the startup configuration:

DETAILED STEPS

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- Step 1** Copy the `vnmc-vsgpa.2.1.1b.bin` file into the Cisco VSG bootflash:
`vsg# copy ftp://guest@172.18.217.188/n1kv/vnmc-vsgpa.2.1.1b.bin bootflash`
- Step 2** On the command line, enter configuration mode.
`vsg# configure`

- Step 3** Enter the config-vnm-policy-agent mode.
vsg (config)# **vnm-policy-agent**
- Step 4** Set the Cisco Prime NSC registration IP address.
vsg (config-vnm-policy-agent)# **registration-ip 209.165.200.225**
- Step 5** Specify the shared-secret of Cisco Prime NSC.
vsg (config-vnm-policy-agent)#
shared-secret *****
- Step 6** Install the policy agent.
vsg (config-vnm-policy-agent)#
policy-agent-image bootflash: vnmc-vsmpa.2.1.1b.bin
- Step 7** Exit all modes.
vsg (config-vnm-policy-agent)# **end**
- Step 8** On the Cisco VSG command line, enter the **show vnm-pa status** command:
vsg# **show vnm-pa status**
If registration was successful, you should see the following message:
"VNM Policy-Agent status is - Installed Successfully. Version 2.1(1b)-vsg"
The Cisco VSG registration is complete.
- Step 9** Save the change persistently through reboots and restarts by copying the running configuration to the startup configuration:
vsg# **copy running-config startup-config**
Executing this command ensures that the registration becomes part of the basic configuration
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Registering a Cisco Nexus 1000V VSM

You can register a Cisco Nexus 1000V with the Cisco Prime NSC. Registration enables communication between the Cisco Nexus 1000V VSM and Cisco Prime NSC.

- Step 1** Copy the vnmc-vsmpa.2.1.1e.bin file into the VSM bootflash:
vsm# **copy ftp://guest@172.18.217.188/n1kv/vnmc-vsmpa.2.1.1e.bin bootflash:**
- Step 2** On the command line, enter configuration mode.
vsm# **configure**
- Step 3** Enter config-vnm-policy-agent mode.
vsm(config)# **vnm-policy-agent**
- Step 4** Set the Cisco Prime NSC registration IP address.
vsm(config-vnm-policy-agent)# **registration-ip 209.165.200.226**
- Step 5** Specify the shared-secret of Cisco Prime NSC.
vsm(config-vnm-policy-agent)# **shared-secret *******
- Step 6** Install the policy agent.
vsm(config-vnm-policy-agent)# **policy-agent-image bootflash:vnmc-vsmpa.2.1.1e.bin**
- Step 7** Exit all modes.
vsm(config-vnm-policy-agent)# **top**
- Step 8** On the command line, enter the following command:
vsm# **show vnm-pa status**
If registration was successful, you should see the following message:

```
VNM Policy-Agent status is - Installed Successfully. Version 2.1(1e)-vsg
The Cisco Nexus 1000V VSM registration is complete.
```

Step 9 On the command line, enter the following command:

```
vsm# copy running-config startup-config
```

Executing this command ensures that the registration becomes part of the basic configuration.

What to Do Next

See the *Cisco Prime Network Services Controller CLI Configuration Guide* for detailed information about configuring the Cisco Prime NSC using the CLI.

Registering vCenter

- Step 1** Log into Cisco Prime NSC.
 - Step 2** Choose **Resource Management > VM Managers**.
 - Step 3** In the **Navigation** pane, right-click **VM Managers**.
 - Step 4** Choose **Export vCenter Extension**.
 - Step 5** In the dialog box that appears, choose the appropriate extension, and click **Save**.
 - Step 6** Log into vSphere.
 - Step 7** In your vSphere client, log into **vCenter**.
 - Step 8** Choose **Plug-ins > Manage Plug-ins**.
 - Step 9** Right-click the empty space and click **New Plug-in**.
 - Step 10** Browse to the Cisco Prime NSC vCenter extension file, and then click **Register Plug-in**.
 - Step 11** Click **Ignore** for any security warning.
You should see a message that reports a successful registration.

 - Step 12** Log into the Cisco Prime NSC and choose **Resource Management > VM Managers**.
 - Step 13** In the **Navigation** pane, right-click **VM Managers**.
 - Step 14** Click **Add VM Manager**.
 - Step 15** Enter the vCenter name and IP address information and click **OK**.
Note The Successful Addition State field should display the word Enabled, and the Operational State field should display the version information.
vCenter is registered.
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