



Registering Devices With the Cisco Prime NSC

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Registering a Cisco VSG

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

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- Step 1** Copy the `nsc-vsgpa.2.1.3i.bin` file into the Cisco VSG bootflash:
`vsg# copy ftp://guest@172.18.217.188/n1kv/nsc-vsgpa.2.1.3i.bin bootflash`
- Step 2** On the command line, enter configuration mode.
`vsg# configure`
- Step 3** Enter the `config-nsc-policy-agent` mode.
`vsg (config)# nsc-policy-agent`
- Step 4** Set the Cisco PNSC registration IP address.
`vsg (config-nsc-policy-agent)# registration-ip 209.165.200.225`
- Step 5** Specify the shared-secret of Cisco PNSC.
`vsg (config-nsc-policy-agent)# shared-secret *****`
- Step 6** Install the policy agent.
`vsg (config-nsc-policy-agent)# policy-agent-image bootflash: nsc-vsgpa.2.1.3i.bin`
- Step 7** Exit all modes.
`vsg (config-nsc-policy-agent)# end`
- Step 8** On the Cisco VSG command line, enter the `show nsc-pa status` command:
`vsg# show nsc-pa status`
If registration was successful, you should see the following message:

```
"NSC Policy-Agent status is - Installed Successfully. Version 2.1(3i)-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:

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

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

Registering a Cisco Nexus 1000V VSM

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

Step 1 Copy the vsmcpa.3.2.3a.bin file into the VSM bootflash:

```
vsm# copy ftp://guest@172.18.217.188/n1kv/vsmcpa.3.2.3a.bin bootflash:
```

Step 2 On the command line, enter configuration mode.

```
vsm# configure
```

Step 3 Enter config-nsc-policy-agent mode.

```
vsm(config)# nsc-policy-agent
```

Step 4 Set the Cisco PNSC registration IP address.

```
vsm(config-nsc-policy-agent)# registration-ip 209.165.200.226
```

Step 5 Specify the shared-secret of Cisco PNSC.

```
vsm(config-nsc-policy-agent)# shared-secret *****
```

Step 6 Install the policy agent.

```
vsm(config-nsc-policy-agent)# policy-agent-image bootflash:vsmcpa.3.2.3a.bin
```

Step 7 Exit all modes.

```
vsm(config-nsc-policy-agent)# top
```

Step 8 On the command line, enter the following command:

```
vsm# show nsc-pa status
```

```
If registration was successful, you should see the following message:
```

```
nsc Policy-Agent status is - Installed Successfully. Version 3.2(3a)-vsm
```

```
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 PNSC using the CLI.

Registering vCenter

- Step 1** Log into Cisco PNSC.
- 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 PNSC 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 PNSC 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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