



# Registering Devices with the Cisco Prime NSC

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## Registering a Cisco VSG

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

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- Step 1** Copy the vsghv-pa.2.1.1e.bin file into the Cisco VSG bootflash:  
vsg# **copy ftp://guest@172.18.217.188/n1kv/vsghv-pa.2.1.1e.bin bootflash**
- Step 2** Enter global configuration mode.  
vsg# **configure**
- Step 3** Enter nsc-policy-agent mode.  
vsg (config)# **nsc-policy-agent**
- Step 4** Set the Cisco Prime NSC registration IP address.  
vsg (config-nsc-policy-agent)# **registration-ip 209.165.200.225**
- Step 5** Specify the shared-secret of Cisco Prime NSC.  
vsg (config-nsc-policy-agent)# **shared-secret \*\*\*\*\***
- Step 6** Install the policy agent.  
vsg (config-nsc-policy-agent)# **policy-agent-image bootflash: vsghv-pa.2.1.1e.bin**
- Step 7** Exit all modes.  
vsg (config-nsc-policy-agent)# **end**
- Step 8** On the Cisco VSG command line, display the NSC PA status:  
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(1a)-vsg"  
The Cisco VSG registration is complete.

**Step 9** Copy 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

## Registering Cisco Nexus 1000V VSM

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

### SUMMARY STEPS

1. Copy the vsmhv-pa.3.2.1c.bin file into the VSM bootflash:
2. Enter global configuration mode.
3. Enter config nsc-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. Display the NSC PA status:
9. Copy the running configuration to the startup configuration:

### DETAILED STEPS

- Step 1** Copy the vsmhv-pa.3.2.1c.bin file into the VSM bootflash:  
vsm# **copy ftp://guest@172.18.217.188/nlkv/vsmhv-pa.3.2.1c.bin bootflash:**
- Step 2** Enter global configuration mode.  
vsg# **configure**
- Step 3** Enter config nsc-policy-agent mode.  
vsg(config)# **nsc-policy-agent**
- Step 4** Set the Cisco Prime NSC registration IP address.  
vsg(config-nsc-policy-agent)# **registration-ip 209.165.200.226**
- Step 5** Specify the shared-secret of Cisco Prime NSC.  
vsg(config-nsc-policy-agent)# **shared-secret \*\*\*\*\***
- Step 6** Install the policy agent.  
vsg(config-nsc-policy-agent)# **policy-agent-image bootflash:vsmhv-pa.3.2.1c.bin**
- Step 7** Exit all modes.  
vsg(config-nsc-policy-agent)# **top**
- Step 8** Display the NSC PA status:  
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(1a)-vsg  
The Cisco Nexus 1000V VSM registration is complete.

**Step 9** Copy 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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**What to Do Next**

See the *Cisco Virtual Management Center CLI Configuration Guide* for detailed information about configuring the Cisco Prime NSC using the CLI.

