# Registering Devices with the Cisco Prime NSC

This chapter contains the following sections:

# Registering a Cisco VSG

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

**Step 1**    Copy the vnmc-vsgpa.2.1.2a.bin file into the Cisco VSG bootflash:

```
vsg# copy ftp://guest@172.18.217.188/n1kv/vnmc-vsgpa.2.1.2a.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 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: vnmc-vsgpa.2.1.2a.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(2a)-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 PNSC. Registration enables communication between the Cisco Nexus 1000V VSM and Cisco PNSC.

**SUMMARY STEPS**

1. Copy the vsmhv-pa.3.2.1e.bin file into the VSM bootflash:
2. Enter global configuration mode.
3. Enter config nsc-policy-agent mode.
4. Set the Cisco PNSC registration IP address.
5. Specify the shared-secret of Cisco PNSC.
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.3.2.1e.bin file into the VSM bootflash:

```
vsm# copy ftp://guest@172.18.217.188/n1kv/vsmhv-pa.3.2.1e.bin bootflash:
```

**Step 2**    Enter global 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:vsmhv-pa.3.2.1e.bin
```

**Step 7**     Exit all modes.

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

**Step 8**     Display the NSC PA status:

```
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(1e)-vsg
The Cisco Nexus 1000V VSM registration is complete.
```

**Step 9**     Copy 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.
```

### What to do next

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