Registering Devices with the Cisco Prime NSC

This chapter contains the following sections:

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.

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(1b)-vsg"
The Cisco VSG registration is complete.
```

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OL-28943-02

1

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/n1kv/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(1b)-vsg
The Cisco Nexus 1000V VSM registration is complete.
```

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2

OL-28943-02

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.
```

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.

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OL-28943-02

3

Cisco VSG for Microsoft Hyper-V, Release 5.2(1)VSG2(1.1b) and Cisco Prime NSC, Release 3.2 Installation and
Upgrade Guide

4

OL-28943-02