Registering Devices with the Cisco VNMC

This chapter contains the following sections:

Registering a Cisco VSG

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

SUMMARY STEPS

1. Copy the vsghv-pa.2.1.1a.bin file into the Cisco VSG bootflash:
2. On the command line, enter configuration mode.
3. Enter config-vnm-policy-agent mode.
4. Set the Cisco VNMC registration IP address.
5. Specify the shared-secret of Cisco VNMC.
6. Install the policy agent.
7. Exit all modes.
8. On the Cisco VSG command line, enter the following command:
9. On the command line, enter the following command:

DETAILED STEPS

Step 1   Copy the vsghv-pa.2.1.1a.bin file into the Cisco VSG bootflash:
```
vsg# copy ftp://guest@172.18.217.188/n1kv/vsghv-pa.2.1.1a.bin bootflash
```
Step 2   On the command line, enter configuration mode.
```
vsg# configure
```
Step 3   Enter config-vnm-policy-agent mode.
```
vsg (config)# vnm-policy-agent
```

Step 4 Set the Cisco VNMC registration IP address.

```
vsg (config-vnm-policy-agent)# registration-ip 209.165.200.225
```

Step 5 Specify the shared-secret of Cisco VNMC.

```
vsg (config-vnm-policy-agent)#
shared-secret ********
```

Step 6 Install the policy agent.

```
vsg (config-vnm-policy-agent)#
policy-agent-image bootflash: vsghv-pa.2.1.1a.bin
```

Step 7 Exit all modes.

```
vsg (config-vnm-policy-agent)# end
```

Step 8 On the Cisco VSG command line, enter the following 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(1a)-vsg"
The Cisco VSG registration is complete.
```

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

```
vsg# 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 VNMC. Registration enables communication between the Cisco Nexus 1000V VSM and Cisco VNMC.

SUMMARY STEPS

1. Copy the vsmhv-pa.2.1.1a.bin file into the VSM bootflash:
2. On the command line, enter configuration mode.
3. Enter config-vnm-policy-agent mode.
4. Set the Cisco VNMC registration IP address.
5. Specify the shared-secret of Cisco VNMC.
6. Install the policy agent.
7. Exit all modes.
8. On the command line, enter the following command:
9. On the command line, enter the following command:

DETAILED STEPS

Step 1 Copy the vsmhv-pa.2.1.1a.bin file into the VSM bootflash:

```
vsm# copy ftp://guest@172.18.217.188/n1kv/vsmhv-pa.2.1.1a.bin bootflash:
```

Step 2 On the command line, enter configuration mode.

```
vsg# configure
```

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

```
vsg(config)# vnm-policy-agent
```

Step 4 Set the Cisco VNMC registration IP address.

```
vsg(config-vnm-policy-agent)# registration-ip 209.165.200.226
```

Step 5 Specify the shared-secret of Cisco VNMC.

```
vsg(config-vnm-policy-agent)# shared-secret ********
```

Step 6 Install the policy agent.

```
vsg(config-vnm-policy-agent)# policy-agent-image bootflash:vsmhv-pa.2.1.1a.bin
```

Step 7 Exit all modes.

```
vsg(config-vnm-policy-agent)# top
```

Step 8 On the command line, enter the following 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(1a)-vsg
The Cisco Nexus 1000V VSM registration is complete.
```

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

```
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 VNMC using the CLI.