



Installing a VSM on the Cisco Cloud Services Platform

You can install the Cisco Nexus 1000V VSM on the Cisco Cloud Services Platform. For more information, see the documentation at <http://www.cisco.com/en/US/products/ps12752/index.html>.



Note

Layer 3 mode is supported for the Cisco Nexus 1000V for Hyper-V.

Before You Begin

Copy the ISO file to the boot flash:repository/ of the virtual service blade as displayed in the following example:

```
switch(config)# dir boot flash:repository
16384      Feb 21 11:31:10 2013  lost+found/
169932800  May 08 20:20:09 2013  Nexus-1000V.5.2.1.SM3.1.1.iso
653       May 08 20:28:24 2013  vmpresults.txt
```

```
Usage for bootflash://sup-local
326832128 bytes used
3664547840 bytes free
3991379968 bytes total
switch(config)#
```

Procedure

Complete the following steps to install the VSM on the Cloud Services Platform:

Step 1 Create a virtual service blade by entering the following commands:

```
switch(config)# show virtual-service-blade summary
-----
Name          HA-Role      HA-Status    Status          Location
-----
switch(config)# virtual-service-blade vsm-1
switch(config-vsbl-config)# virtual-service-blade-type new Nexus-1000V.5.2.1.SM3.1.1.iso
switch(config-vsbl-config)# show virtual-service-blade summary
-----
Name          HA-Role      HA-Status    Status          Location
-----
vsm-1        PRIMARY      NONE         VSB NOT PRESENT  PRIMARY
```

```
vsm-1          SECONDARY    NONE          VSB NOT PRESENT    SECONDARY
switch(config-vs-b-config)#
```

- Step 2** Configure the control and packet VLANs for static and flexible topologies. Note that no provisioning is allowed for a management VLAN because the management class interface uses the management VLAN of the Cisco Cloud Services Platform.

```
switch(config-vs-b-config)# interface control vlan 391
switch(config-vs-b-config)# interface packet vlan 392
```

- Step 3** Configure the Cisco Nexus 1000V on the Cisco Cloud Services Platform.

```
switch(config-vs-b-config)# enable
Enter vsb image: [Nexus-1000V.5.2.1.SM3.1.1.iso]
Enter domain id[1-1023]: 391
Management IP version [V4/V6]: [V4]
Enter Management IP address: 172.16.5.5
Enter Management subnet mask: 255.255.255.0
IPv4 address of the default gateway: 172.16.5.1
Enter HostName: vsm-1
Enter the password for 'admin': *****
Note: VSB installation is in progress, please use show virtual-service-blade commands to
check the installation status.
switch(config-vs-b-config)#
```

- Step 4** Display the primary and secondary VSM status.

```
switch(config-vs-b-config)#show virtual-service-blade summary
-----
Name           HA-Role    HA-Status  Status                               Location
-----
VSM-1          PRIMARY    NONE       VSB DEPLOY IN PROGRESS              PRIMARY
VSM-1          SECONDARY  NONE       VSB NOT PRESENT                     SECONDARY
switch(config-vs-b-config)#
```

- Step 5** Log in to the VSM.

```
switch(config)# virtual-service-blade vsm-1
switch(config-vs-b-config)# login virtual-service-blade vsm-1
Telnet escape character is '^\''.
Trying 172.1.0.18...
Connected to 172.1.0.18.
Escape character is '^\''.

Nexus 1000v Switch
vsm-1 login: admin
Password:
Cisco Nexus operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
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such license is available at
http://www.opensource.org/licenses/gpl-2.0.php and
http://www.opensource.org/licenses/lgpl-2.1.php
switch# show system redundancy status
Redundancy role
-----
      administrative:  primary
      operational:    primary
```

```
Redundancy mode
-----
      administrative:  HA
      operational:    HA

This supervisor (sup-1)
-----
      Redundancy state:  Active
      Supervisor state:  Active
      Internal state:   Active with HA standby

Other supervisor (sup-2)
-----
      Redundancy state:  Standby
      Supervisor state:  HA standby
      Internal state:   HA standby
switch#
```

