



Installing a VSM on Cisco Cloud Services Platform

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You can install the Cisco Nexus 1000V VSM on Cisco Cloud Services Platform. For information, refer to the documentation available 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  n1000vh-dk9.5.2.1.SM1.5.0.345.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 1000vh-dk9.5.2.1.SM1.5.0.345.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 Cisco Cloud Services Platform (CSP).

```
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 Cisco Cloud Services Platform.

```
switch(config-vs-b-config)# enable
Enter vsb image: [n1000vh-dk9.5.2.1.SM1.5.0.345.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
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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#
```
