



Installing a VSM on Cisco Cloud Services Platform

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Installing VSM on Cisco Cloud Services Platform

You can install the Cisco Nexus 1000V VSM on the Cloud Services Platform.



Note

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

Before You Begin

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

```
switch(config)# dir bootflash: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-vs-b-config)#virtual-service-blade-type new n1000vh-dk9.5.2.1.SM1.5.0.345.iso
switch(config-vs-b-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 Management VLAN as the Management class interface uses the Management VLAN of the 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 the 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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The copyrights to certain works contained in this software are
owned by other third parties and used and distributed under
license. Certain components of this software are licensed under
the GNU General Public License (GPL) version 2.0 or the GNU
Lesser General Public License (LGPL) Version 2.1. A copy of each
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#
```

For more information, refer to the Logging into VSM section in the guide.

