



Enable Cisco vPath

Enabling Cisco vPath

To enable vPath, see the *Cisco vPath and vServices Reference Guide for VMware vSphere* at the following location:

[Cisco vPath and vServices Reference Guide for VMware vSphere](#)

The following example displays how to configure Cisco VSG and Citrix NetScaler 1000V by defining services nodes, creating a service path, adding service nodes in the path, and enabling this service path in a port-profile. Similarly, you can add other service nodes in the service chain.

Step 1 Login to your Cisco Nexus 1000V VSM console.

Step 2 Define the vService node in the Cisco Nexus 1000V VSM.

```
switch# configuration terminal
switch(config)# vservice node <VSG-node-name> type vsg
switch# (config-vservice-node)# ip address <VSG Data IP>
switch# (config-vservice-node)# adjacency 13
switch# (config-vservice-node)# fail-mode close
switch# (config-vservice-node)# end
switch#
```

```
switch# configuration terminal
switch(config)# vservice node <VPX-node-name> type adc
switch# (config-vservice-node)# ip address <Data IP>
switch# (config-vservice-node)# adjacency 13
switch# (config-vservice-node)# fail-mode close
switch# (config-vservice-node)# end
switch#
```

Step 3 Add the nodes under the service path in a chain.



Note On the Cisco vPath Ecosystem service chain, Cisco VSG and Citrix NetScaler 1000V must be on one service path, and Cisco ASA 1000V and Cisco vWAAS must be on another service path.

```
switch# configuration terminal
switch(config)# vservice path <Chain name>
switch(config-vservice-path)# node <VSG-node-name> profile <VSG-SP-profile-name> order
<number>
switch(config-vservice-path)# node <VPX-node-name> order <number>
```

Step 4 Add the service chain to a VM port-profile that is protected by the service chain.

Configure the service nodes in the service chain and associate the port-profile to traffic VM.

```
switch# configuration terminal
switch(config)# port-profile type vethernet <name>
switch(config-port-prof)# vmware port-group
switch(config-port-prof)# switchport mode access
switch(config-port-prof)# org root/<tenant name>
switch(config-port-prof)# switchport access vlan <VM vlan>
switch(config-port-prof)# vservice path <Chain name>
switch(config-port-prof)# no shutdown
switch(config-port-prof)# state enabled
switch# (config-vservice-node)# end
switch#
```

Step 5 Verify the nodes status.

```
switch# sh vservice node brief
```

```
-----
Node Information
-----
ID Name                Type  IP-Address  Mode  State  Module
 2 VSG                  vsg   5.5.5.30    13   Alive  3,
 9 ASA                  asa   60.1.1.16   v-555 Alive  3,128,
13 WAAS                 vwaas 173.1.1.112 v-557 Alive  3,
20 VPX                  adc   5.5.5.225   13   Alive  3,
```

```
switch# sh vservice detail
```

```
-----
License Information
-----
Mod  VSG-Lic-Count  ASA-Lic-Count
 3      2              2
128    0              2
-----
Node Information
-----
Node ID:2      Name:VSG
Type:vsg      IPAddr:5.5.5.30      Fail:close L3
Mod  State      MAC-Addr      VVer
 3   Alive    --            2

Node ID:9      Name:ASA
Type:asa      IPAddr:60.1.1.16     Fail:close Vlan:555
Mod  State      MAC-Addr      VVer
 3   Alive    00:50:56:9d:4b:44   2
128  Alive    00:50:56:9d:4b:44   2

Node ID:13     Name:WAAS
Type:vwaas    IPAddr:173.1.1.112   Fail:close Vlan:557
Mod  State      MAC-Addr      VVer
 3   Alive    00:50:56:9d:7f:3c   2

Node ID:20     Name:VPX
Type:adc      IPAddr:5.5.5.225     Fail:close L3
Mod  State      MAC-Addr      VVer
 3   Alive    --            2
```

Enabling Cisco vPath on Cisco ASA 1000V

Before you can enable Cisco vPath on Cisco ASA 1000V, make sure that you have launched ASDM and completed the procedure listed in the *Cisco ASA 1000V Getting Started Guide* at the following location:

[Cisco ASA 1000V Getting Started Guide](#)

To enable Cisco vPath on Cisco ASA 1000V, complete the steps listed in the *Cisco ASA 1000V Getting Started Guide* at the following location:

[Cisco ASA 1000V Getting Started Guide](#)

**Note**

If the Citrix NetScaler 1000V and the Cisco ASA 1000V are in the same service chain, the Citrix NetScaler 1000V must be a VM.

Enabling Cisco vPath on Cisco vWAAS

vPath interception is used in the Cisco Nexus 1000V switch for Cisco vWAAS deployment in the data center. To enable vPath for Cisco vWAAS, complete the steps in the *Cisco Wide Area Application Services vWAAS Installation and Configuration Guide* at the following location:

[Enabling vPath on vWAAS](#)

