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Introduction

The Cisco Nexus 1000V VSM and VEM can run on the same host. In this case, the VSM communicates with the co-located VEM and other VEMs in the network using its own switch.

Design

The following example shows the port profile and domain configuration for a VSM and VEM on the same host.

In this example the following VLANs are used:

- Service Console: VLAN 100
- Control traffic: VLAN 101
- Management traffic: VLAN 102
- Packet traffic: VLAN 103

In this example, the ServiceConsole is not configured for VLAN tagging. The vethernet port profile could easily be changed to trunking if required (vlan 1,100,101,102,103).

Configuration

System Uplink Port Profile

```
port-profile type ethernet system-uplink
vmware port-group
switchport mode trunk
switchport trunk allowed vlan 100, 101, 102, 103
no shutdown
system vlan 100,101,102,103
state enabled
```

Port Profile for control traffic

```
port-profile type vethernet control
vmware port-group
switchport mode access
switchport access vlan 101
no shutdown
system vlan 101
state enabled
```

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Port Profile for management traffic

```
port-profile type vethernet management
vmware port-group
switchport mode access
switchport access vlan 102
no shutdown
system vlan 102
state enabled
```

Port Profile for packet traffic

```
port-profile type vethernet packet
vmware port-group
switchport mode access
switchport access vlan 103
no shutdown
system vlan 103
state enabled
```

Port Profile for the Service Console

```
port-profile type vethernet ServiceConsole
vmware port-group
switchport mode access
switchport access vlan 100
no shutdown
system vlan 100
state enabled
```

Domain configuration

```
svs-domain
domain id 4
control vlan 101
packet vlan 103
svs mode L2
```

Related show Commands

This section provides information you can use to confirm your configuration is working properly.

Certain show commands are supported by the [Output Interpreter Tool \(registered customers only\)](#), which allows you to view an analysis of show command output.

```
show port-profile [name 'prof_name']
```

```
show svs domain]
```

Show running-config

```
show running-config interface ethernet 'slot/port'
```

```
show running-config interface vethernet 'interface-number'
```

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```
show running-config interface vethernet 'interface-number'
```

Related Information

[Technical Support & Documentation - Cisco Systems](#)

[Cisco Nexus 1000V System Management Configuration Guide](#)

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

[Cisco Nexus 1000V Port Profile Configuration Guide](#)