



Configuring SVI

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About SVI

A switch virtual interfaces (SVI) or VLAN interface, is a virtual routed interface that connects a VLAN on the device to the Layer 3 router engine on the same device. Only one VLAN interface can be associated with a VLAN, but configure a VLAN interface for a VLAN only when you want to route between VLANs or to provide IP host connectivity to the device through a virtual routing and forwarding (VRF) instance that is not the management VRF. When you enable VLAN interface creation, Cisco NX-OS creates a VLAN interface for the default VLAN (VLAN 1) to permit remote switch administration.

Enable the VLAN network interface feature before you can configure it.

In Cisco UCS Director, SVI configuration is supported on the following Cisco network devices:

- Cisco Nexus 5000, 5500, and 5672 Series switches
- Cisco Nexus 7000 Series switches

Configuring a SVI

- Step 1** Choose **Physical > Network**.
- Step 2** On the **Network** page, choose the pod.
- Step 3** Select the network device to be configured.
- Step 4** Click **Interfaces**.
- Step 5** Click **Add SVI**.
- Step 6** In the **Configure SVI** screen, complete the required fields, including the following:

Name	Description
VLAN Interface Number field	The VLAN interface number within the valid range. The valid VLAN interface range value can be 1 to 4094.
VRF Name field	Click Select and choose a VRF which you want to add the interface.
ICMP Redirect check box	Check the check box to redirect the IP packets.
IP Address (ipv4/ipv6) field	The IP address of the interface.
Description field	The description of the VLAN interface.
OSPF check box	Check the check box to enable OSPF.
Passive-interface check box	Check the check box to enable passive interface. This field is displayed when the OSPF check box is enabled.
OSPF Priority field	Sets the OSPF priority for the SVI. The valid range is from 0 to 255. This field is displayed when the OSPF check box is enabled.
Router OSPF field	Specify the OSPF router for the SVI. This field is displayed when the OSPF check box is enabled.
Area field	The area ID of the OSPF router for the SVI. You must enter a number (the valid range is from 0 to 4294967295) or an IP address. This field is displayed when the OSPF check box is enabled.
Multi-Area field	The multi-area ID of the OSPF router for the SVI. You must enter a number (the valid range is from 0 to 4294967295) or an IP address. This field is displayed when the OSPF check box is enabled.
Copy Running configuration to Startup configuration check box	Check the check box to copy the running configuration to the startup configuration.

Step 7 Click **Submit**.

Deleting a SVI

- Step 1** In the **Interface** tab, select the interface to be deleted.
- Step 2** Click **Remove SVI**.
The **Remove SVI** screen appears to confirm deletion of SVI.
- Step 3** Check the **Copy Running configuration to Startup configuration** check box to copy the configuration to the startup configuration.

Step 4 Click **Submit**.
