



V Commands

This chapter describes the Cisco NX-OS Multiprotocol Label Switching commands that begin with V.

vpn

To configure a virtual private network (VPN) ID on a Virtual Forwarding Interface (VFI) context, use the **vpn** command.

vpn *vpn-id*

Syntax Description

<i>vpn-id</i>	VPN ID. The range is from 1 to 4294967295.
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Defaults

None

Command Modes

config-l2vpn-vfi mode

Supported User Roles

network-admin
vdc-admin

Command History

Release	Modification
6.2.2	This command was introduced.

Usage Guidelines

This command requires the MPLS Services license.

Examples

This example shows how to configure a VPN ID on a VFI context:

```
switch# configure terminal
switch# configure terminal
switch(config)# l2vpn vfi context vpls80
switch(config-l2vpn-vfi)# description VFIforDualHome
switch(config-l2vpn-vfi)# vpn 10
switch(config-l2vpn-vfi)#
```

Related Commands

Command	Description
bridge domain	Enters bridge-domain configuration mode and configures a bridge domain.
l2vpn vfi context	Establishes a Layer 2 VPN (L2VPN) virtual forwarding interface (VFI) between two or more separate networks.

vrf

To display information for a virtual routing and forwarding (VRF) instance, use the **vrf** command. To return to the default setting, use the **no** form of this command.

vrf *vrf-name*

no vrf *vrf-name*

Syntax Description	<i>vrf-name</i>	VRF name that is any case-sensitive alphanumeric string up to 32 characters.
Defaults	None	
Command Modes	Router VRF configuration mode	
Supported User Roles	network-admin vdc-admin	
Command History	Release	Modification
	5.2(1)	This command was introduced.
Usage Guidelines	This command requires the MPLS Services license.	
Examples	This example shows how to display information about each VRF instance: switch# configure t switch(config)# feature ospf switch(config)# Test1 switch(config-router)# timers throttle lsa 0 5000 5000 switch(config-router)# timers lsa-arrival 30 switch(config-router)# vrf vpn1 switch(config-router-vrf)#	
Related Commands	Command	Description
	mpls ldp configuration	Configures the Multiprotocol Label Switching (MPLS) Label Distribution Protocol (LDP).

vrf context

To create a new virtual routing and forwarding (VRF) instance, use the **vrf context** command. To return to the default setting, use the **no** form of this command.

vrf context *vrf-name*

no vrf context *vrf-name*

Syntax Description	<i>vrf-name</i>	VRF name that can be any case-sensitive, alphanumeric string up to 20 characters.

Defaults	None
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Command Modes	Global configuration mode
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Supported User Roles	network-admin vdc-admin
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Command History	Release	Modification
	5.2(1)	This command was introduced.

Usage Guidelines	This command requires the MPLS Services license.
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Examples	This example shows how to create a new VRF instance: switch# configure terminal switch(config)# vrf context blue switch(config-vrf)#
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Related Commands	Command	Description
	mpls ldp configuration	Configures the Multiprotocol Label Switching (MPLS) Label Distribution Protocol (LDP).

vrf member

To set virtual routing and forwarding (VRF) membership on an interface, use the **vrf member** command. To return to the default setting, use the **no** form of this command.

vrf member *vrf-name*

no vrf member *vrf-name*

Syntax Description	<i>vrf-name</i> VRF name. The maximum size is 32 alphanumeric characters.	
Defaults	None	
Command Modes	Interface configuration mode	
Supported User Roles	network-admin vdc-admin	
Command History	Release	Modification
	5.2(1)	This command was introduced.
Usage Guidelines	This command requires the MPLS Services license.	
Examples	This example shows how to set VRF membership for an interface: switch# configure terminal switch(config)# interface ethernet 5/0 switch(config-if)# vrf member vpn1 switch(config-if)#	
Related Commands	Command	Description
	mpls ldp configuration	Configures the Multiprotocol Label Switching (MPLS) Label Distribution Protocol (LDP).

