



V Commands

- [variance](#), on page 3
- [vdc \(vdc_mgr\)](#), on page 4
- [vdc \(vdc_mgr\)](#), on page 5
- [vdc combined-hostname](#), on page 7
- [vdc resource template](#), on page 8
- [vdc suspend](#), on page 9
- [verify](#), on page 10
- [verify verbose](#), on page 11
- [version](#), on page 12
- [virtual-service \(vman\)](#), on page 13
- [virtual-service \(vman\)](#), on page 14
- [virtual-service \(vman\)](#), on page 15
- [virtual-service connect name](#), on page 16
- [virtual-service move name to](#), on page 17
- [vlan2](#), on page 18
- [vlan access-map](#), on page 19
- [vlan configuration](#), on page 20
- [vlan designated priority](#), on page 21
- [vlan dot1Q tag native](#), on page 22
- [vlan filter](#), on page 23
- [vlan policy deny](#), on page 24
- [vlan root priority](#), on page 25
- [vn-segment](#), on page 26
- [vpc](#), on page 27
- [vpc domain](#), on page 28
- [vpc orphan-port suspend](#), on page 29
- [vpc role preempt](#), on page 30
- [vpc suspend](#), on page 31
- [vpc upgrade-done](#), on page 32
- [vpn id](#), on page 33
- [vrf \(bgp\)](#), on page 34
- [vrf \(eigrp\)](#), on page 35
- [vrf \(eth_span\)](#), on page 36

- vrf (isis), on page 37
- vrf (ospf), on page 38
- vrf (ospfv3), on page 39
- vrf (rip), on page 40
- vrf context, on page 41
- vrf member (l3vm), on page 42
- vrf member (otm), on page 43
- vrf policy deny, on page 44
- vrrp, on page 45
- vrrp bfd, on page 46
- vsan policy deny, on page 47
- vsh, on page 48
- vtp, on page 49
- vtp domain, on page 50
- vtp file, on page 51
- vtp mode, on page 52
- vtp password, on page 53
- vtp pruning, on page 54
- vtp version, on page 55

variance

variance *variance*|**no variance** [*variance*]

Syntax Description

no Negate a command or set its defaults

variance Control load balancing variance

variance Type: integer

min: 1 max: 128 default: 1

Metric variance multiplier

Command Modes

- /exec/configure/router-igrp/router-igrp-vrf-common
- /exec/configure/router-igrp/router-igrp-af-common

vdc (vdc_mgr)

vdc *e-vdc* [**id** *new_id*] [**type** *vtype*]

Syntax Description

vdc Manage Virtual Device Context

e-vdc Type: userdef

Enter Virtual Device Context <vdc-id>

id force this vdc into a specific id

new_id Type: integer

force this vdc into a specific id

type Create vdc with a special set of services *Not available in this release.*

vtype type of vdc

storage value: 1

VDC to be used for Storage only

Command Modes

- /exec/configure

vdc (vdc_mgr)

```
vdc new-vdc [{id new_id|template res-mgr-template-known-name-all|ha-policy {single-sup
hap-set|dual-sup sw-set}+|type vtype}]+
```

Syntax	Description
vdc	Manage Virtual Device Context
<i>new-vdc</i>	Type: userdef Enter Virtual Device Context <vdc-id>
id	force this vdc into a specific id
<i>new_id</i>	Type: integer force this vdc into a specific id
template	Resource template for this vdc
<i>res-mgr-template-known-name-all</i>	Type: string Resource template for this vdc
ha-policy	Change HA policy for this VDC
<i>hap-set</i>	Set hap policy bringdown value: 1 Bring down the vdc restart value: 2 Bring down the vdc, then bring the vdc back up reload value: 3 Reload the supervisor
single-sup	Change HA policy for this VDC for single-sup situations
dual-sup	Change HA policy for this VDC for dual-sup situations
<i>sw-set</i>	Set hap policy bringdown value: 1 Bring down the vdc restart value: 2 Bring down the vdc, then bring the vdc back up switchover value: 3 Switchover the supervisor
type	Create vdc with a special set of services <i>Not available in this release.</i>
<i>vtype</i>	type of vdc storage value: 1 VDC to be used for Storage only

Command Modes

- /exec/configure

vdc combined-hostname

[no] vdc combined-hostname

Syntax Description

no	Negate a command or set its defaults
vdc	Manage Virtual Device Context
combined-hostname	The hostname of non-default vdc's will be <default vdc name>-<nondefault vdc name>

Command Modes

- /exec/configure

vdc resource template

[no] vdc resource template {*names-mgr-template-known-name*}

Syntax Description

no	Negate a command or set its defaults
vdc	Manage Virtual Device Context
resource	Configure resource template
template	Configure resource template
<i>name</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* length: 100 Resource template name
<i>res-mgr-template-known-name</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* length: 100 Resource template name

Command Modes

- /exec/configure

vdc suspend

vdc *en-vdc* **suspend**

Syntax Description

vdc Manage Virtual Device Context

en-vdc Type: userdef

Enter Virtual Device Context <vdc-id>

suspend Put the vdc in a paused state. When resumed vdc will come up with its startup config

Command Modes

- /exec/configure

verify

verify

Syntax Description	verify Verify the current configuration session
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Command Modes	• /exec/configure
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verify verbose

verify verbose

Syntax Description

verify Verify the current configuration session

verbose Verify the current configuration session with more details

Command Modes

• /exec/configure

version

[no] **version** *s0*

Syntax Description

no Negate a command or set its defaults

version Version info

s0 Type: string

Version

Command Modes

- /exec/configure

virtual-service (vman)

[no] **virtual-service** *virt_serv_name*

Syntax Description	no Negate a command or set its defaults
	virtual-service Configure a virtual service
	<i>virt_serv_name</i> Type: string pattern: [a-zA-Z0-9_]+ length: 20 Virtual service name
Command Modes	• /exec/configure

virtual-service (vman)

```
virtual-service {install name virt_serv_name package file_uri [media target_media]|upgrade name
virt_serv_name package file_uri|uninstall name virt_serv_name}
```

Syntax Description

virtual-service	Virtualization manager actions
install	Add a virtual service to install database
upgrade	Upgrade a virtual service package to a different version
name	Name of the virtual service
<i>virt_serv_name</i>	Type: string pattern: [a-zA-Z0-9_]+ length: 20 Virtual service name
package	Package location
<i>file_uri</i>	Type: uri File name (with .ova extension) for the virtual service
media	Target media to use to explode the virtual service package
<i>target_media</i>	Type: uri Target media
uninstall	Remove a virtual service from the install database

Command Modes

- /exec

virtual-service (vman)

[no] virtual-service

Syntax Description	no Negate a command or set its defaults
	virtual-service Virtual service global settings
Command Modes	• /exec/configure

virtual-service connect name

```
virtual-service connect name virt_serv_name {console|aux}
```

Syntax Description

virtual-service	Virtualization service actions
connect	Request a virtual service shell
name	Name of the virtual service
<i>virt_serv_name</i>	Type: string pattern: [a-zA-Z0-9_]+ length: 20 Name of existing virtual service
console	Request a virtual service console shell
aux	Request a virtual service auxiliary console shell

Command Modes

- /exec

virtual-service move name to

```
virtual-service move name virt_serv_name {log|core} to dir_uri
```

Syntax Description

virtual-service	Virtualization service actions
move	Move a virtual service log or core files
name	Name of the virtual service
<i>virt_serv_name</i>	Type: string pattern: [a-zA-Z0-9_]+ length: 20 Name of existing virtual service
log	Move log files
core	Move core files
to	Destination directory to move log or core files to
<i>dir_uri</i>	Type: uri Destination directory name

Command Modes

- /exec

vlan2

[no] **vlan2** *vlan-id-create-delete*

Syntax Description

no	Negate a command or set its defaults
vlan2	Vlan commands
<i>vlan-id-create-delete</i>	Type: vlan-mrange VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19

Command Modes

- /exec/configure

vlan access-map

[no] **vlan access-map** *name* [*seqno*]

Syntax Description		
no	Negate a command or set its defaults	
vlan	Vlan commands	
<i>name</i>	Type: string length: 64 List name	
access-map	Configure a VLAN access map	
<i>seqno</i>	Type: uinteger min: 1 max: 4294967295 Sequence number	
Command Modes		• /exec/configure

vlan configuration

[no] **vlan configuration** *vlan-id-create-delete*

Syntax Description

no	Negate a command or set its defaults
vlan	Vlan commands
configuration	vlan feature configuration mode
<i>vlan-id-create-delete</i>	Type: vlan-mrange VLAN ID 1-3967 or range(s): 1-5, 10 or 2-5,7-19

Command Modes

- /exec/configure

vlan designated priority

vlan *vlan-id* **designated priority** *prio* | **no vlan** *vlan-id* **designated priority** [*prio*]

Syntax Description

no	Negate a command or set its defaults
vlan	VLAN Switch Spanning Trees
<i>vlan-id</i>	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
designated	Set the designated bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	Type: uinteger min: 0 max: 61440 bridge priority in increments of 4096

Command Modes

- /exec/configure/spanning-tree/pseudo

vlan dot1Q tag native

vlan dot1Q tag native|no vlan dot1Q tag native

Syntax Description

no Negate a command or set its defaults

vlan Vlan commands

dot1Q IEEE 802.1Q Virtual LAN

tag tag parameters

native tag native vlan

Command Modes

• /exec/configure

vlan filter

[no] **vlan filter** *name* {**vlan-list** *vlangs*|**vlan-list-include-reserved** *vlangs-include-reserved*}

Syntax Description

no	Negate a command or set its defaults
vlan	Vlan commands
filter	Specify access control for packets
<i>name</i>	Type: string length: 64 List name
vlan-list	Specify list of VLANs to apply access control
<i>vlangs</i>	Type: vlan-mrange List of VLANs
vlan-list-include-reserved	Specify list of VLANs to apply access control
<i>vlangs-include-reserved</i>	Type: vlan-mrange List of VLANs

Command Modes

- /exec/configure

vlan policy deny

[no] vlan policy deny

Syntax Description

no Negate a command or set its defaults

vlan Configure the vlan policy for this role

policy Configure the vlan policy for this role

deny Deny access to a vlan unless specifically permitted

Command Modes

• /exec/configure/role

vlan root priority

vlan *vlan-id* **root priority** *prio* | **no** **vlan** *vlan-id* **root priority** [*prio*]

Syntax Description

no	Negate a command or set its defaults
vlan	VLAN Switch Spanning Trees
<i>vlan-id</i>	Type: vlan-mrange vlan range, Example: 1,3-5,7,9-11
root	Set the root bridge priority for the spanning tree
priority	Set the bridge priority for the spanning tree
<i>prio</i>	Type: uinteger min: 0 max: 61440 bridge priority in increments of 4096

Command Modes

- /exec/configure/spanning-tree/pseudo

vn-segment

vn-segment *segment-id*|**no** **vn-segment**

Syntax Description	
no	Negate a command or set its defaults
vn-segment	VN Segment id of the VLAN
<i>segment-id</i>	Type: integer min: 4096 max: 16773119 segment-id
Command Modes	<ul style="list-style-type: none"> • /exec/configure/vlan

vpc

vpc [{*vpc_num*|**peer-link**}]|**no vpc** [{*vpc_num*|**peer-link**}]

Syntax Description

no Negate a command or set its defaults

vpc Virtual Port Channel configuration

vpc_num Type: integer

min: 1 max: 4096

specify a Virtual Port Channel number

peer-link specify if this link is used for peer communication

Command Modes

- /exec/configure/if-eth-port-channel-switch

vpc domain

vpc domain *domain_id*|**no vpc domain** *domain_id*

Syntax	Description
no	Negate a command or set its defaults
vpc	Virtual Port Channel configuration
domain	Specify domain
<i>domain_id</i>	Type: uinteger min: 1 max: 1000 domain id
Command Modes	<ul style="list-style-type: none"> • /exec/configure

vpc orphan-port suspend

[no] vpc orphan-port suspend

Syntax Description	no	Negate a command or set its defaults
	vpc	Virtual Port Channel configuration
	orphan-port	orphan-port (non-vpc port)
	suspend	suspend - when vPC secondary peerlink goes down
Command Modes		• /exec/configure/if-eth-phy

vpc role preempt

vpc role preempt

Syntax Description

vpc Virtual Port Channel configuration

role vPC role related command

preempt Enable/Trigger preemption of lower priority master

Command Modes

- /exec

vpc suspend

vpc suspend [*n-secs*]

Syntax Description	vpc Virtual Port Channel configuration
	suspend Suspend the vPC on primary
	<i>n-secs</i> Type: integer min: 15 max: 60 Suspension duration in seconds
Command Modes	• /exec/configure/vpc-domain

vpc upgrade-done

vpc upgrade-done

Syntax Description	vpc Virtual Port Channel configuration
	upgrade-done Unlock the cli and remove ISSU state
Command Modes	• /exec

vpn id

vpn id *vpn-id* | **no vpn id** [*vpn-id*]

Syntax Description

no Negate a command or set its defaults

vpn Configure VPN ID in rfc2685 format *Not available in this release.*

id Configure VPN ID in rfc2685 format

vpn-id Type: string

pattern: `^[0-9a-fA-F]+:[0-9a-fA-F]+$`

OUI:VPN-Index, format (hex) <3 bytes OUI:4 bytes VPN-Index>

Command Modes

- /exec/configure/vrf

vrf (bgp)

[no] vrf *vrf-name*

Syntax Description

no Negate a command or set its defaults

vrf Virtual Router Context

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | default | l2-vrf

length: 32

VRF name

Command Modes

- /exec/configure/router-bgp

vrf (eigrp)

[no] vrf *vrf-name*

Syntax Description

no Negate a command or set its defaults

vrf Configure VRF information

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | default | l2-vrf

length: 32

VRF name

Command Modes

- /exec/configure/router-eigrp

vrf (eth_span)

[no] vrf {*vrf-name**vrf-known-name*}

Syntax Description

no	Negate a command or set its defaults
vrf	set vrf membership
<i>vrf-name</i>	Type: vrf pattern: [-a-zA-Z0-9_:\$#@]* antipattern: vrf detail interface definition context forwarding member all l2-vrf topology passive length: 32 VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec/configure/monitor-erspan

vrf (isis)

[no] vrf *vrf-name*

Syntax Description

no Negate a command or set its defaults

vrf Configure ISIS VRF information

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | default | l2-vrf

length: 32

VRF name

Command Modes

- /exec/configure/router-isis

vrf (ospf)

[no] vrf *vrf-name*

Syntax Description

no Negate a command or set its defaults

vrf Display per-VRF information

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | default | l2-vrf

length: 32

VRF name

Command Modes

- /exec/configure/router-ospf

vrf (ospfv3)

[no] vrf *vrf-name*

Syntax Description

no Negate a command or set its defaults

vrf Display per-VRF information

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | default | l2-vrf

length: 32

VRF name

Command Modes

- /exec/configure/router-ospf3

vrf (rip)

[no] vrf *vrf-name*

Syntax Description

no Negate a command or set its defaults

vrf Configure RIP VRF information

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | default | l2-vrf

length: 32

VRF name

Command Modes

- /exec/configure/router-rip

vrf context

vrf context *vrf-name*|**no vrf context** {*vrf-name**vrf-name*}

Syntax Description

no Negate a command or set its defaults

vrf Configure VRF parameters

context Create VRF and enter VRF mode

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | l2-vrf | topology | passive

length: 32

VRF name

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | l2-vrf | topology | passive | management

length: 32

VRF name

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | l2-vrf | topology | passive | management

length: 32

VRF name

Command Modes

- /exec/configure

vrf member (I3vm)

vrf member *vrf-name* | **no vrf member** [*vrf-name*]

Syntax Description

no Negate a command or set its defaults

vrf Configure VRF parameters

member Set interface's VRF membership

vrf-name Type: vrf

pattern: [-a-zA-Z0-9_.;\$#@]*

antipattern: vrf | detail | interface | definition | context | forwarding | member | all | default | l2-vrf

length: 32

VRF name

Command Modes

- /exec/configure/if-igp
- /exec/configure/if-mgmt-ether

vrf member (otm)

vrf member {*vrf_name**vrf-known-name*}|**no vrf member** [{*vrf_name**vrf-known-name*}]

Syntax Description

no	Negate a command or set its defaults
vrf	Configure VPN Routing/Forwarding table
member	Set route's VRF membership
<i>vrf_name</i>	Type: vrf VRF name
<i>vrf-known-name</i>	Type: vrf Known VRF name

Command Modes

- /exec/configure/track

vrf policy deny

[no] vrf policy deny

Syntax Description

no Negate a command or set its defaults

vrf Configure the vrf policy for this role

policy Configure the vrf policy for this role

deny Deny access to a vrf unless specifically permitted

Command Modes

• /exec/configure/role

vrrp

[no] vrrp *vr_id*

Syntax Description

no Negate a command or set its defaults

vrrp VRRP configuration commands

vr_id Type: integer

min: 1 max: 255

IPv4 VR group number

Command Modes

- /exec/configure/if-legacy-eth
- /exec/configure/if-ethernet
- /exec/configure/if-port-channel
- /exec/configure/if-vlan-common
- /exec/configure/if-eth-any

vrrp bfd

vrrp bfd *peer_intf_ip* | **no vrrp bfd** [*peer_intf_ip*]

Syntax Description

vrrp	VRRP configuration commands
bfd	BFD protocol
<i>peer_intf_ip</i>	Type: ipaddr Neighbor IP address
no	Negate a command or set its defaults

Command Modes

- /exec/configure/if-eth-any/vrrp

vsan policy deny

[no] vsan policy deny

Syntax Description	no Negate a command or set its defaults
	vsan Configure the vsan policy for this role
	policy Configure the vsan policy for this role
	deny Deny access to a vsan unless specifically permitted
Command Modes	• /exec/configure/role

vsh

" | " vsh

Syntax Description

| Pipe command output to filter

vsh the shell that understands cli command

Command Modes

• /output

vtp

[no] vtp

Syntax Description

no Negate a command or set its defaults

vtp Enable VTP on this interface

Command Modes

• /exec/configure/if-switching

vtp domain

vtp domain *domain_name*

Syntax Description

vtp	Configure global VTP state
domain	Set the name of the VTP administrative domain
<i>domain_name</i>	Type: string length: 32 The ascii name for the VTP administrative domain

Command Modes

- /exec/configure

vtp file

vtp file *file_name* | **no vtp file**

Syntax Description	no	Negate a command or set its defaults
	vtp	Configure global VTP state
	file	Set the name of the VTP file name
	<i>file_name</i>	Type: uri URI for vlan.dat
Command Modes		• /exec/configure

vtp mode

vtp mode *mode-name*|**no vtp mode**

Syntax Description

no	Negate a command or set its defaults
vtp	Configure global VTP state
mode	Configure VTP device mode <i>Not available in this release.</i>
<i>mode-name</i> transparent value: 1	Set the device to transparent mode

Command Modes

- /exec/configure

vtp password

vtp password *password_name*|**no vtp password**

Syntax Description

no	Negate a command or set its defaults
vtp	Configure global VTP state
password	Set the password for the VTP administrative domain
<i>password_name</i>	Type: string length: 64 The ascii password for the VTP administrative domain

Command Modes

- /exec/configure

vtp pruning

vtp pruning|no vtp pruning

Syntax Description

no Negate a command or set its defaults

vtp Configure global VTP state

pruning Set the administrative domain to permit pruning *Not available in this release.*

Command Modes

• /exec/configure

vtp version

vtp version *version_num* | **no vtp version**

Syntax Description	no	description
	no	Negate a command or set its defaults
	vtp	Configure global VTP state
	version	Set the administrative domain to VTP version
	<i>version_num</i>	Type: uinteger min: 1 max: 2 Set the administrative domain to VTP version
Command Modes	• /exec/configure	

