



V Commands

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vcenter

vcenter <arg> datacenter <WORD> [dvs-version <arg>]

Description: Configure a VCenter in the VMware domain

Syntax:

<i>arg</i>	
datacenter	Datacenter Name
<i>WORD</i>	Datacenter Name
<i>arg</i>	(Optional)

Command Mode: vmware-domain : Create a VMM VMware Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD>
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
```

vlan-domain

vlan-domain <name> [dynamic] [type <domain-type>]

Description: Configure vlan domain

Syntax:

<i>name</i>	Vlan domain name (Max Size 64)
dynamic	(Optional) Create dynamic namespace(default is static)
<domain-type>	(Optional) Vlan domain type

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vlan-domain <name> [dynamic] [type <domain-type>]
```

vlan-domain member <WORD> [type <arg>]

Description: Attach VMware Domain to a VLAN Domain

Syntax:

member	Bind VMware domain to vlan domain
<i>WORD</i>	VLAN Domain name
<i>arg</i>	(Optional) Vlan domain type

Command Mode: vmware-domain : Create a VMM VMware Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD>
(config-vmware)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Attach Microsoft Domain to a VLAN Domain

Syntax:

member	Bind Microsoft domain to vlan domain
<i>WORD</i>	VLAN Domain name

<i>arg</i>	(Optional) Vlan domain type
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Command Mode: microsoft-domain : Create a VMM Microsoft Domain

Command Path:

```
# configure [['terminal', 't']]
(config)# microsoft-domain <WORD>
(config-microsoft)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
<i>WORD</i>	Vlan domain name (Max Size 64)
<i>arg</i>	(Optional)

Command Mode: template policy-group : Configure Policy Group Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template policy-group <WORD>
(config-pol-grp-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]

Description: Configure Vlan Domain

Syntax:

member	Configure Vlan Domain Member
<i>WORD</i>	Vlan domain name (Max Size 64)
<i>arg</i>	(Optional)

Command Mode: template port-channel : Configure Port-Channel Parameters

Command Path:

```
# configure [['terminal', 't']]
(config)# template port-channel <WORD>
(config-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]**Description:** Configure Vlan Domain**Syntax:**

member	Configure Vlan Domain Member
<i>WORD</i>	Vlan domain name (Max Size 64)
<i>arg</i>	(Optional)

Command Mode: interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
(config-leaf-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]**Description:** Configure Vlan Domain**Syntax:**

member	Configure Vlan Domain Member
<i>WORD</i>	Vlan domain name (Max Size 64)
<i>arg</i>	(Optional)

Command Mode: interface port-channel : Port Channel interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface port-channel <WORD> [fex <fex>]
(config-leaf-if)# vlan-domain member <WORD> [type <>]
```

vlan-domain member <WORD> [type <arg>]**Description:** Configure Vlan Domain**Syntax:**

member	Configure Vlan Domain Member
<i>WORD</i>	Vlan domain name (Max Size 64)
<i>arg</i>	(Optional)

Command Mode: interface : Provide VPC Name

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
(config-vpc)# interface vpc <WORD> [fex <fex>]
(config-vpc-if)# vlan-domain member <WORD> [type <>]
```

vlan-pool

vlan-pool <pool-name>

Description: Assign vlan-pool to vlan-domain

Syntax:

<i>pool-name</i>	Vlan-pool name (Max Size 64)
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Command Mode: vlan-domain : Configure vlan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vlan-domain <name> [dynamic] [type <domain-type>]
(config-vlan)# vlan-pool <pool-name>
```

vlan

vlan <vlan-range> [dynamic]

Description: Add VLANs to vlan-domain

Syntax:

<vlan-range>	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
dynamic	(Optional) Vlan allocation dynamically managed by APIC(default is static)

Command Mode: vlan-domain : Configure vlan domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vlan-domain <name> [dynamic] [type <domain-type>]
(config-vlan)# vlan <vlan-range> [dynamic]
```

vlan <1-4094>

Description: Configure Vlan for inband epg Controller inband ports

Syntax:

<1-4094>	Vlan interface number
----------	-----------------------

Command Mode: inband-mgmt : Enter Inside In-band management mode to modify inband properties or create new inband

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# inband-mgmt epg <WORD>
(config-inb-epg)# vlan <1-4094>
```

vlan <1-4094>

Description: Configure Vlan for APIC Inband Port

Syntax:

<1-4094>	Vlan interface number
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Command Mode: interface inband-mgmt0 : Inband management interface

Command Path:

```
# configure [['terminal', 't']]
(config)# controller
(config-controller)# interface inband-mgmt0
(config-controller-if)# vlan <1-4094>
```

vmware-domain

vmware-domain <WORD>

Description: Create a VMM VMware Domain

Syntax:

<i>WORD</i>	VMM VMware Domain name
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Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD>
```

vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>] [allow-micro-segmentation] [deploy <WORD>] [push <WORD>]

Description: Associate EPG to a VMWare Domain

Syntax:

member	Bind the EPG to a VMware domain
<i>WORD</i>	VMware Domain Name
<i>WORD</i>	(Optional) Enforce encap value. Secondary encap when EPG is isolated (For example vlan-10 or auto)
<i>WORD</i>	(Optional) Primary encap when EPG is isolated (For example vlan-11 or auto)
allow-micro-segmentation	(Optional) allow-micro-segmentation
<i>WORD</i>	(Optional) Deployment mode
<i>WORD</i>	(Optional) Push mode

Command Mode: epg : AEPg configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# application <WORD>
(config-tenant-app)# epg <WORD> [type <WORD>]
(config-tenant-app-epg)# vmware-domain member <WORD> [encap <WORD>] [primary-encap <WORD>]
[allow-micro-segmentation] [deploy <WORD>] [push <WORD>]
```

vnic

vnic <vnic-name>

Description: Configure Virtual NIC as Cluster Member Interface

Syntax:

<vnic-name>	Name of VNIC of virtual cluster device.
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Command Mode: member : Configure Cluster Interface Member

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# 1417 cluster name <WORD> type <type> vlan-domain <domain-name> [service
<service>] [function <function>]
(config-cluster)# cluster-interface <WORD> [vlan <NUMBER>]
(config-cluster-interface)# member device <WORD> device-interface <WORD>
(config-member)# vnic <vnic-name>
```

vpc context

vpc context leaf <101-4000> <101-4000> [fex <fex>]

Description: Enter vpc context

Syntax:

leaf	Provide leaf details
<101-4000>	Id or Name of Leaf1
<101-4000>	Id or Name of Leaf2
fex	(Optional) Fex Id. Number range from=101 to=164

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc context leaf <101-4000> <101-4000> [fex <fex>]
```

vpc domain consecutive

vpc domain consecutive

Description: Pair all discovered leaves consecutively e.g. 101-102, 103-104

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]  
(config)# vpc domain consecutive
```

vpc domain explicit

vpc domain explicit <NUMBER> leaf <101-4000> <101-4000>

Description: Pair two leaf nodes explicitly

Syntax:

<1-1000>	Domain Id. Number range from=1 to=1000
leaf	Pair two leaf nodes
<101-4000>	First leaf member of the Pair
<101-4000>	Second leaf member of the Pair

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]
(config)# vpc domain explicit <NUMBER> leaf <101-4000> <101-4000>
```

vpc domain reciprocal

vpc domain reciprocal

Description: Pair all discovered leaves reciprocally e.g. 101-103, 102-104

Command Mode: configure : Configuration Mode

Command Path:

```
# configure [['terminal', 't']]  
(config)# vpc domain reciprocal
```

vrf

vrf context <WORD>

Description: Configuration for vrf

Syntax:

context	VRF name
<i>WORD</i>	VRF name (Max Size 64)

Command Mode: tenant : tenant configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# vrf context <WORD>
```

vrf member <WORD>

Description: Configure VRF parameters

Syntax:

member	Set L3Out's VRF membership
<i>WORD</i>	VRF name

Command Mode: l3out : Configuration for L3Out

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# l3out <WORD>
(config-tenant-l3out)# vrf member <WORD>
```

vrf member <WORD>

Description: Associate the bridge-domain with a VRF

Syntax:

member	Associate the bridge-domain with a VRF
<i>WORD</i>	VRF name to associated (Max Size 64)

Command Mode: bridge-domain : Configuration for bridge-domain

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# bridge-domain <WORD>
(config-tenant-bd)# vrf member <WORD>
```

vrf member <WORD>

Description: Configure VRF parameters

Syntax:

member	Set interface's VRF membership
<i>WORD</i>	VRF name

Command Mode: external-l3 epg : External L3 EPG configuration mode

Command Path:

```
# configure [['terminal', 't']]
(config)# tenant <WORD>
(config-tenant)# external-l3 epg <WORD> [oob-mgmt] [l3out <l3out>]
(config-tenant-l3ext-epg)# vrf member <WORD>
```

vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]

Description: Configure VRF parameters

Syntax:

context	Enable VRF and enter VRF mode
tenant	Tenant for the VRF
<i>WORD</i>	Tenant name
vrf	Virtual Routing and Forwarding instance
<i>WORD</i>	VRF name
<i>l3out</i>	(Optional) Configure VRF in API created l3out

Command Mode: leaf : Configure Leaf Node

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <l3out-4000>
(config-leaf)# vrf context tenant <WORD> vrf <WORD> [l3out <l3out>]
```

vrf member tenant <WORD> vrf <WORD>**Description:** Configure VRF parameters**Syntax:**

member	Set interface's VRF membership
tenant	Tenant
<i>WORD</i>	Tenant name
vrf	Virtual Routing and Forwarding instance
<i>WORD</i>	VRF name

Command Mode: interface vlan : Vlan interface**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface vlan <1-4094>
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD> [l3out] WORD**Description:** Configure VRF parameters**Syntax:**

member	Set interface's VRF membership
tenant	Tenant
<i>WORD</i>	Tenant name
vrf	Virtual Routing and Forwarding instance
<i>WORD</i>	VRF name
l3out	(Optional) Enable VRF on one or more l3extOut
<i>WORD</i>	l3extOut Name

Command Mode: interface ethernet : Ethernet IEEE 802.3z**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# interface ethernet <ifRange>
```

```
(config-leaf-if)# vrf member tenant <WORD> vrf <WORD> [l3out] WORD
```

vrf member tenant <WORD> vrf <WORD>

Description: Configure VRF information

Syntax:

member	Set VRF membership
tenant	Tenant
<i>WORD</i>	Tenant name
vrf	VRF
<i>WORD</i>	VRF name

Command Mode: router eigrp : Enhanced Interior Gateway Routing Protocol (EIGRP)

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router eigrp default
(config-eigrp)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>

Description: Associate Router OSPF Policy with Tenant/VRF

Syntax:

member	Set VRF membership
tenant	Tenant for the OSPF Policy
<i>WORD</i>	Tenant name
vrf	VRF
<i>WORD</i>	VRF name

Command Mode: router ospf : Open Shortest Path First (OSPF and OSPF Version3)

Command Path:

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router ospf default
(config-leaf-ospf)# vrf member tenant <WORD> vrf <WORD>
```

vrf member tenant <WORD> vrf <WORD>**Description:** Virtual Router Context**Syntax:**

member	Set BGP's VRF membership
tenant	Tenant for the BGP Policy
<i>WORD</i>	Tenant Name (Max Size 63)
vrf	Virtual Routing and Forwarding instance
<i>WORD</i>	VRF Name (Max Size 64)

Command Mode: router bgp : Border Gateway Protocol (BGP)**Command Path:**

```
# configure [['terminal', 't']]
(config)# leaf <101-4000>
(config-leaf)# router bgp <fabric-ASN>
(config-bgp)# vrf member tenant <WORD> vrf <WORD>
```

vshield

vshield <arg>

Description: Configure a VShield in the VMware domain

Syntax:

<i>arg</i>	
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Command Mode: vcenter : Configure a VCenter in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD>
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# vshield <>
```

vxlan

vxlan multicast-pool <ip-range>

Description: Configure VXLAN multicast pool.

Syntax:

multicast-pool	multicast pool
<ip-range>	Multicast IP range

Command Mode: configure-avs : Configure a VMware Domain as AVS (N1K) type

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD>
(config-vmware)# configure-avs
(config-vmware-avs)# vxlan multicast-pool <ip-range>
```

vxlan multicast-pool

vxlan multicast-pool <ip-range>

Description: Configure VXLAN multicast pool.

Syntax:

<ip-range>	Multicast IP range
------------	--------------------

Command Mode: vshield : Configure a VShield in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD>
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# vshield <>
(config-vmware-vc-vs)# vxlan multicast-pool <ip-range>
```

vxlan pool

vxlan pool <vxlan-range>

Description: Configure VXLAN pool.

Syntax:

<i><vxlan-range></i>	VXLAN range
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Command Mode: vshield : Configure a VShield in the VMware domain

Command Path:

```
# configure [['terminal', 't']]
(config)# vmware-domain <WORD>
(config-vmware)# vcenter <> datacenter <WORD> [dvs-version <>]
(config-vmware-vc)# vshield <>
(config-vmware-vc-vs)# vxlan pool <vxlan-range>
```