**CP1-SPLINE2**

**Table of Contents**

* [Management](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#management)
  + [Management Interfaces](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#management-interfaces)
  + [Name Servers](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#name-servers)
  + [Management API HTTP](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#management-api-http)
* [Authentication](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#authentication)
  + [Local Users](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#local-users)
* [Monitoring](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#monitoring)
  + [TerminAttr Daemon](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#terminattr-daemon)
* [Spanning Tree](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#spanning-tree)
  + [Spanning Tree Summary](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#spanning-tree-summary)
  + [Spanning Tree Device Configuration](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#spanning-tree-device-configuration)
* [Internal VLAN Allocation Policy](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#internal-vlan-allocation-policy)
  + [Internal VLAN Allocation Policy Summary](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#internal-vlan-allocation-policy-summary)
  + [Internal VLAN Allocation Policy Configuration](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#internal-vlan-allocation-policy-configuration)
* [Interfaces](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#interfaces)
  + [Ethernet Interfaces](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#ethernet-interfaces)
  + [Loopback Interfaces](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#loopback-interfaces)
* [Routing](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#routing)
  + [Service Routing Protocols Model](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#service-routing-protocols-model)
  + [IP Routing](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#ip-routing)
  + [IPv6 Routing](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#ipv6-routing)
  + [Static Routes](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#static-routes)
  + [Router BGP](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#router-bgp)
* [BFD](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#bfd)
  + [Router BFD](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#router-bfd)
* [Multicast](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#multicast)
* [Filters](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#filters)
  + [Prefix-lists](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#prefix-lists)
  + [Route-maps](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#route-maps)
* [ACL](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#acl)
* [VRF Instances](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#vrf-instances)
  + [VRF Instances Summary](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#vrf-instances-summary)
  + [VRF Instances Device Configuration](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#vrf-instances-device-configuration)
* [Quality Of Service](vscode-webview://1251nlbhblsvrvvafuvshkptmo7d2232unf0ebcf8e0vol3p34jm/Users/davejones/Documents/templates/avd-campus/inventory/documentation/devices/CP1-SPLINE2.md#quality-of-service)

**Management**

**Management Interfaces**

**Management Interfaces Summary**

**IPv4**

| **Management Interface** | **description** | **Type** | **VRF** | **IP Address** | **Gateway** |
| --- | --- | --- | --- | --- | --- |
| Management1 | oob\_management | oob | MGMT | 192.168.0.12/24 | 192.168.0.5 |

**IPv6**

| **Management Interface** | **description** | **Type** | **VRF** | **IPv6 Address** | **IPv6 Gateway** |
| --- | --- | --- | --- | --- | --- |
| Management1 | oob\_management | oob | MGMT | - | - |

**Management Interfaces Device Configuration**

!

interface Management1

description oob\_management

no shutdown

vrf MGMT

ip address 192.168.0.12/24

**Name Servers**

**Name Servers Summary**

| **Name Server** | **Source VRF** |
| --- | --- |
| 192.168.0.5 | MGMT |
| 8.8.8.8 | MGMT |

**Name Servers Device Configuration**

ip name-server vrf MGMT 8.8.8.8

ip name-server vrf MGMT 192.168.0.5

**Management API HTTP**

**Management API HTTP Summary**

| **HTTP** | **HTTPS** |
| --- | --- |
| False | True |

**Management API VRF Access**

| **VRF Name** | **IPv4 ACL** | **IPv6 ACL** |
| --- | --- | --- |
| MGMT | - | - |

**Management API HTTP Configuration**

!

management api http-commands

protocol https

no shutdown

!

vrf MGMT

no shutdown

**Authentication**

**Local Users**

**Local Users Summary**

| **User** | **Privilege** | **Role** |
| --- | --- | --- |
| admin | 15 | network-admin |
| ansible | 15 | network-admin |
| cvpadmin | 15 | network-admin |

**Local Users Device Configuration**

!

username admin privilege 15 role network-admin secret sha512 $6$Df86J4/SFMDE3/1K$Hef4KstdoxNDaami37cBquTWOTplC.miMPjXVgQxMe92.e5wxlnXOLlebgPj8Fz1KO0za/RCO7ZIs4Q6Eiq1g1

username ansible privilege 15 role network-admin secret sha512 $6$Dzu11L7yp9j3nCM9$FSptxMPyIL555OMO.ldnjDXgwZmrfMYwHSr0uznE5Qoqvd9a6UdjiFcJUhGLtvXVZR1r.A/iF5aAt50hf/EK4/

username cvpadmin privilege 15 role network-admin secret sha512 $6$qI16FDuEyTyahgyH$su2QQ4zgkOLu1269G7PM1pdM0xHV0AeBJ6nSUzCcGeTrIqCJYpEK8t/KKDtUy6Q8YyUGoYe2ZFPNYqprB482b0

**Monitoring**

**TerminAttr Daemon**

**TerminAttr Daemon Summary**

| **CV Compression** | **CloudVision Servers** | **VRF** | **Authentication** | **Smash Excludes** | **Ingest Exclude** | **Bypass AAA** |
| --- | --- | --- | --- | --- | --- | --- |
| gzip | 192.168.0.5:9910 | MGMT | key,1a38fe7df56879d685e51b6f0ff86327 | ale,flexCounter,hardware,kni,pulse,strata | /Sysdb/cell/1/agent,/Sysdb/cell/2/agent | False |

**TerminAttr Daemon Device Configuration**

!

daemon TerminAttr

exec /usr/bin/TerminAttr -cvaddr=192.168.0.5:9910 -cvauth=key,1a38fe7df56879d685e51b6f0ff86327 -cvvrf=MGMT -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata -ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -taillogs

no shutdown

**Spanning Tree**

**Spanning Tree Summary**

STP mode: **none**

**Spanning Tree Device Configuration**

!

spanning-tree mode none

**Internal VLAN Allocation Policy**

**Internal VLAN Allocation Policy Summary**

| **Policy Allocation** | **Range Beginning** | **Range Ending** |
| --- | --- | --- |
| ascending | 1006 | 1199 |

**Internal VLAN Allocation Policy Configuration**

!

vlan internal order ascending range 1006 1199

**Interfaces**

**Ethernet Interfaces**

**Ethernet Interfaces Summary**

**L2**

| **Interface** | **Description** | **Mode** | **VLANs** | **Native VLAN** | **Trunk Group** | **Channel-Group** |
| --- | --- | --- | --- | --- | --- | --- |

\*Inherited from Port-Channel Interface

**IPv4**

| **Interface** | **Description** | **Type** | **Channel Group** | **IP Address** | **VRF** | **MTU** | **Shutdown** | **ACL In** | **ACL Out** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ethernet1 | P2P\_LINK\_TO\_CP1-BORDER1A\_Ethernet2 | routed | - | 172.31.255.2/31 | default | 1500 | false | - | - |
| Ethernet2 | P2P\_LINK\_TO\_CP1-BORDER1B\_Ethernet2 | routed | - | 172.31.255.6/31 | default | 1500 | false | - | - |
| Ethernet3 | P2P\_LINK\_TO\_CP1-POD20-LEAF1A\_Ethernet2 | routed | - | 172.31.255.10/31 | default | 1500 | false | - | - |
| Ethernet4 | P2P\_LINK\_TO\_CP1-POD20-LEAF1B\_Ethernet2 | routed | - | 172.31.255.14/31 | default | 1500 | false | - | - |
| Ethernet5 | P2P\_LINK\_TO\_CP1-POD21-LEAF2A\_Ethernet2 | routed | - | 172.31.255.18/31 | default | 1500 | false | - | - |
| Ethernet6 | P2P\_LINK\_TO\_CP1-POD21-LEAF2B\_Ethernet2 | routed | - | 172.31.255.22/31 | default | 1500 | false | - | - |
| Ethernet7 | P2P\_LINK\_TO\_CP1-POD22-LEAF3A\_Ethernet2 | routed | - | 172.31.255.26/31 | default | 1500 | false | - | - |
| Ethernet8 | P2P\_LINK\_TO\_CP1-POD22-LEAF3B\_Ethernet2 | routed | - | 172.31.255.30/31 | default | 1500 | false | - | - |
| Ethernet9 | P2P\_LINK\_TO\_CP1-POD22-LEAF4A\_Ethernet2 | routed | - | 172.31.255.34/31 | default | 1500 | false | - | - |
| Ethernet10 | P2P\_LINK\_TO\_CP1-POD22-LEAF4B\_Ethernet2 | routed | - | 172.31.255.38/31 | default | 1500 | false | - | - |

**Ethernet Interfaces Device Configuration**

!

interface Ethernet1

description P2P\_LINK\_TO\_CP1-BORDER1A\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.2/31

!

interface Ethernet2

description P2P\_LINK\_TO\_CP1-BORDER1B\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.6/31

!

interface Ethernet3

description P2P\_LINK\_TO\_CP1-POD20-LEAF1A\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.10/31

!

interface Ethernet4

description P2P\_LINK\_TO\_CP1-POD20-LEAF1B\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.14/31

!

interface Ethernet5

description P2P\_LINK\_TO\_CP1-POD21-LEAF2A\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.18/31

!

interface Ethernet6

description P2P\_LINK\_TO\_CP1-POD21-LEAF2B\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.22/31

!

interface Ethernet7

description P2P\_LINK\_TO\_CP1-POD22-LEAF3A\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.26/31

!

interface Ethernet8

description P2P\_LINK\_TO\_CP1-POD22-LEAF3B\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.30/31

!

interface Ethernet9

description P2P\_LINK\_TO\_CP1-POD22-LEAF4A\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.34/31

!

interface Ethernet10

description P2P\_LINK\_TO\_CP1-POD22-LEAF4B\_Ethernet2

no shutdown

mtu 1500

no switchport

ip address 172.31.255.38/31

**Loopback Interfaces**

**Loopback Interfaces Summary**

**IPv4**

| **Interface** | **Description** | **VRF** | **IP Address** |
| --- | --- | --- | --- |
| Loopback0 | EVPN\_Overlay\_Peering | default | 192.168.255.2/32 |

**IPv6**

| **Interface** | **Description** | **VRF** | **IPv6 Address** |
| --- | --- | --- | --- |
| Loopback0 | EVPN\_Overlay\_Peering | default | - |

**Loopback Interfaces Device Configuration**

!

interface Loopback0

description EVPN\_Overlay\_Peering

no shutdown

ip address 192.168.255.2/32

**Routing**

**Service Routing Protocols Model**

Multi agent routing protocol model enabled

!

service routing protocols model multi-agent

**IP Routing**

**IP Routing Summary**

| **VRF** | **Routing Enabled** |
| --- | --- |
| default | true |
| MGMT | false |

**IP Routing Device Configuration**

!

ip routing

no ip routing vrf MGMT

**IPv6 Routing**

**IPv6 Routing Summary**

| **VRF** | **Routing Enabled** |
| --- | --- |
| default | false |
| MGMT | false |

**Static Routes**

**Static Routes Summary**

| **VRF** | **Destination Prefix** | **Next Hop IP** | **Exit interface** | **Administrative Distance** | **Tag** | **Route Name** | **Metric** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| MGMT | 0.0.0.0/0 | 192.168.0.5 | - | 1 | - | - | - |

**Static Routes Device Configuration**

!

ip route vrf MGMT 0.0.0.0/0 192.168.0.5

**Router BGP**

**Router BGP Summary**

| **BGP AS** | **Router ID** |
| --- | --- |
| 65001 | 192.168.255.2 |

| **BGP Tuning** |
| --- |
| no bgp default ipv4-unicast |
| distance bgp 20 200 200 |
| graceful-restart restart-time 300 |
| graceful-restart |
| maximum-paths 4 ecmp 4 |

**Router BGP Peer Groups**

**EVPN-OVERLAY-PEERS**

| **Settings** | **Value** |
| --- | --- |
| Address Family | evpn |
| Next-hop unchanged | True |
| Source | Loopback0 |
| BFD | True |
| Ebgp multihop | 3 |
| Send community | all |
| Maximum routes | 0 (no limit) |

**IPv4-UNDERLAY-PEERS**

| **Settings** | **Value** |
| --- | --- |
| Address Family | ipv4 |
| Send community | all |
| Maximum routes | 12000 |

**BGP Neighbors**

| **Neighbor** | **Remote AS** | **VRF** | **Shutdown** | **Send-community** | **Maximum-routes** | **Allowas-in** | **BFD** | **RIB Pre-Policy Retain** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 172.31.255.3 | 65101 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.7 | 65101 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.11 | 65102 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.15 | 65102 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.19 | 65103 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.23 | 65103 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.27 | 65104 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.31 | 65104 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.35 | 65105 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 172.31.255.39 | 65105 | default | - | Inherited from peer group IPv4-UNDERLAY-PEERS | Inherited from peer group IPv4-UNDERLAY-PEERS | - | - | - |
| 192.168.255.3 | 65101 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.4 | 65101 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.5 | 65102 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.6 | 65102 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.7 | 65103 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.8 | 65103 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.9 | 65104 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.10 | 65104 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.11 | 65105 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |
| 192.168.255.12 | 65105 | default | - | Inherited from peer group EVPN-OVERLAY-PEERS | Inherited from peer group EVPN-OVERLAY-PEERS | - | Inherited from peer group EVPN-OVERLAY-PEERS | - |

**Router BGP EVPN Address Family**

**EVPN Peer Groups**

| **Peer Group** | **Activate** |
| --- | --- |
| EVPN-OVERLAY-PEERS | True |

**Router BGP Device Configuration**

!

router bgp 65001

router-id 192.168.255.2

no bgp default ipv4-unicast

distance bgp 20 200 200

graceful-restart restart-time 300

graceful-restart

maximum-paths 4 ecmp 4

neighbor EVPN-OVERLAY-PEERS peer group

neighbor EVPN-OVERLAY-PEERS next-hop-unchanged

neighbor EVPN-OVERLAY-PEERS update-source Loopback0

neighbor EVPN-OVERLAY-PEERS bfd

neighbor EVPN-OVERLAY-PEERS ebgp-multihop 3

neighbor EVPN-OVERLAY-PEERS password 7 q+VNViP5i4rVjW1cxFv2wA==

neighbor EVPN-OVERLAY-PEERS send-community

neighbor EVPN-OVERLAY-PEERS maximum-routes 0

neighbor IPv4-UNDERLAY-PEERS peer group

neighbor IPv4-UNDERLAY-PEERS password 7 AQQvKeimxJu+uGQ/yYvv9w==

neighbor IPv4-UNDERLAY-PEERS send-community

neighbor IPv4-UNDERLAY-PEERS maximum-routes 12000

neighbor 172.31.255.3 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.3 remote-as 65101

neighbor 172.31.255.3 description CP1-BORDER1A\_Ethernet2

neighbor 172.31.255.7 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.7 remote-as 65101

neighbor 172.31.255.7 description CP1-BORDER1B\_Ethernet2

neighbor 172.31.255.11 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.11 remote-as 65102

neighbor 172.31.255.11 description CP1-POD20-LEAF1A\_Ethernet2

neighbor 172.31.255.15 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.15 remote-as 65102

neighbor 172.31.255.15 description CP1-POD20-LEAF1B\_Ethernet2

neighbor 172.31.255.19 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.19 remote-as 65103

neighbor 172.31.255.19 description CP1-POD21-LEAF2A\_Ethernet2

neighbor 172.31.255.23 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.23 remote-as 65103

neighbor 172.31.255.23 description CP1-POD21-LEAF2B\_Ethernet2

neighbor 172.31.255.27 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.27 remote-as 65104

neighbor 172.31.255.27 description CP1-POD22-LEAF3A\_Ethernet2

neighbor 172.31.255.31 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.31 remote-as 65104

neighbor 172.31.255.31 description CP1-POD22-LEAF3B\_Ethernet2

neighbor 172.31.255.35 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.35 remote-as 65105

neighbor 172.31.255.35 description CP1-POD22-LEAF4A\_Ethernet2

neighbor 172.31.255.39 peer group IPv4-UNDERLAY-PEERS

neighbor 172.31.255.39 remote-as 65105

neighbor 172.31.255.39 description CP1-POD22-LEAF4B\_Ethernet2

neighbor 192.168.255.3 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.3 remote-as 65101

neighbor 192.168.255.3 description CP1-BORDER1A

neighbor 192.168.255.4 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.4 remote-as 65101

neighbor 192.168.255.4 description CP1-BORDER1B

neighbor 192.168.255.5 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.5 remote-as 65102

neighbor 192.168.255.5 description CP1-POD20-LEAF1A

neighbor 192.168.255.6 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.6 remote-as 65102

neighbor 192.168.255.6 description CP1-POD20-LEAF1B

neighbor 192.168.255.7 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.7 remote-as 65103

neighbor 192.168.255.7 description CP1-POD21-LEAF2A

neighbor 192.168.255.8 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.8 remote-as 65103

neighbor 192.168.255.8 description CP1-POD21-LEAF2B

neighbor 192.168.255.9 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.9 remote-as 65104

neighbor 192.168.255.9 description CP1-POD22-LEAF3A

neighbor 192.168.255.10 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.10 remote-as 65104

neighbor 192.168.255.10 description CP1-POD22-LEAF3B

neighbor 192.168.255.11 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.11 remote-as 65105

neighbor 192.168.255.11 description CP1-POD22-LEAF4A

neighbor 192.168.255.12 peer group EVPN-OVERLAY-PEERS

neighbor 192.168.255.12 remote-as 65105

neighbor 192.168.255.12 description CP1-POD22-LEAF4B

redistribute connected route-map RM-CONN-2-BGP

!

address-family evpn

neighbor EVPN-OVERLAY-PEERS activate

!

address-family ipv4

no neighbor EVPN-OVERLAY-PEERS activate

neighbor IPv4-UNDERLAY-PEERS activate

**BFD**

**Router BFD**

**Router BFD Multihop Summary**

| **Interval** | **Minimum RX** | **Multiplier** |
| --- | --- | --- |
| 1200 | 1200 | 3 |

**Router BFD Device Configuration**

!

router bfd

multihop interval 1200 min-rx 1200 multiplier 3

**Multicast**

**Filters**

**Prefix-lists**

**Prefix-lists Summary**

**PL-LOOPBACKS-EVPN-OVERLAY**

| **Sequence** | **Action** |
| --- | --- |
| 10 | permit 192.168.255.0/24 eq 32 |

**Prefix-lists Device Configuration**

!

ip prefix-list PL-LOOPBACKS-EVPN-OVERLAY

seq 10 permit 192.168.255.0/24 eq 32

**Route-maps**

**Route-maps Summary**

**RM-CONN-2-BGP**

| **Sequence** | **Type** | **Match and/or Set** |
| --- | --- | --- |
| 10 | permit | match ip address prefix-list PL-LOOPBACKS-EVPN-OVERLAY |

**Route-maps Device Configuration**

!

route-map RM-CONN-2-BGP permit 10

match ip address prefix-list PL-LOOPBACKS-EVPN-OVERLAY

**ACL**

**VRF Instances**

**VRF Instances Summary**

| **VRF Name** | **IP Routing** |
| --- | --- |
| MGMT | disabled |

**VRF Instances Device Configuration**

!

vrf instance MGMT

**Quality Of Service**