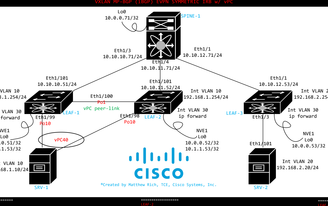
VXLAN MP-BGP (iBGP) EVPN SYMMETRIC IRB w/ vPC




```
LEAF-1# show ip int br | in Eth3/3
Eth3/3     10.10.10.71/24     protocol-up/link-up/admin-up
LEAF-1# show ip int br | in Eth3/10
Eth3/10    unassigned         protocol-up/link-up/admin-up
Eth3/10.1  unassigned         protocol-up/link-up/admin-up
Eth3/10.2  unassigned         protocol-up/link-up/admin-up
LEAF-1# show ip int br | in Eth3/11
Eth3/11    unassigned         protocol-up/link-up/admin-up
Eth3/11.1  unassigned         protocol-up/link-up/admin-up
Eth3/11.2  unassigned         protocol-up/link-up/admin-up
LEAF-1# show int br | in Po10
Po10       up    trunking    --
LEAF-1# show int br | in Po20
Po20       up    trunking    --
LEAF-1# show int br | in Lo0
Lo0        up    10.0.0.52   --
LEAF-1# show int br | in Vlan
Vlan10     up    192.168.1.254 --
Vlan20     up    192.168.2.254 --
LEAF-1# show int br | in Eth1/1
Eth1/1     up    --          trunk    --
Eth1/2     up    --          trunk    --
LEAF-1# show int br | in Eth1/49
Eth1/49    up    --          trunk    --
LEAF-1# show int br | in Eth1/50
Eth1/50    up    --          trunk    --
LEAF-1# show int br | in Eth1/51
Eth1/51    up    --          trunk    --
LEAF-1# show int br | in Eth1/52
Eth1/52    up    --          trunk    --
LEAF-1# show int br | in Eth1/53
Eth1/53    up    --          trunk    --
LEAF-1# show int br | in Eth1/54
Eth1/54    up    --          trunk    --
LEAF-1# show int br | in Eth1/55
Eth1/55    up    --          trunk    --
LEAF-1# show int br | in Eth1/56
Eth1/56    up    --          trunk    --
LEAF-1# show int br | in Eth1/57
Eth1/57    up    --          trunk    --
LEAF-1# show int br | in Eth1/58
Eth1/58    up    --          trunk    --
LEAF-1# show int br | in Eth1/59
Eth1/59    up    --          trunk    --
LEAF-1# show int br | in Eth1/60
Eth1/60    up    --          trunk    --
LEAF-1# show int br | in Eth1/61
Eth1/61    up    --          trunk    --
LEAF-1# show int br | in Eth1/62
Eth1/62    up    --          trunk    --
LEAF-1# show int br | in Eth1/63
Eth1/63    up    --          trunk    --
LEAF-1# show int br | in Eth1/64
Eth1/64    up    --          trunk    --
LEAF-1# show int br | in Eth1/65
Eth1/65    up    --          trunk    --
LEAF-1# show int br | in Eth1/66
Eth1/66    up    --          trunk    --
LEAF-1# show int br | in Eth1/67
Eth1/67    up    --          trunk    --
LEAF-1# show int br | in Eth1/68
Eth1/68    up    --          trunk    --
LEAF-1# show int br | in Eth1/69
Eth1/69    up    --          trunk    --
LEAF-1# show int br | in Eth1/70
Eth1/70    up    --          trunk    --
LEAF-1# show int br | in Eth1/71
Eth1/71    up    --          trunk    --
LEAF-1# show int br | in Eth1/72
Eth1/72    up    --          trunk    --
LEAF-1# show int br | in Eth1/73
Eth1/73    up    --          trunk    --
LEAF-1# show int br | in Eth1/74
Eth1/74    up    --          trunk    --
LEAF-1# show int br | in Eth1/75
Eth1/75    up    --          trunk    --
LEAF-1# show int br | in Eth1/76
Eth1/76    up    --          trunk    --
LEAF-1# show int br | in Eth1/77
Eth1/77    up    --          trunk    --
LEAF-1# show int br | in Eth1/78
Eth1/78    up    --          trunk    --
LEAF-1# show int br | in Eth1/79
Eth1/79    up    --          trunk    --
LEAF-1# show int br | in Eth1/80
Eth1/80    up    --          trunk    --
LEAF-1# ping 10.0.0.1 -c 10 -i 0.2 -s 1500 -M do -vrf vlan-1
PING 10.0.0.1(10.0.0.1) 1500 data bytes
1508 bytes from 10.0.0.1: icmp_seq=1 ttl=254 time=0.96 ms
1508 bytes from 10.0.0.1: icmp_seq=2 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=3 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=4 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=5 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=6 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=7 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=8 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=9 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=10 ttl=254 time=0.94 ms

--- 10.0.0.1 ping statistics ---
10 packets transmitted, 10 received, 0.00% packet loss
round-trip min/avg/max = 0.922/0.943/0.960 ms
```

```
LEAF-2# show int br | in Eth3/3
Eth3/3     10.10.12.71/24     protocol-up/link-up/admin-up
LEAF-2# show int br | in Eth3/10
Eth3/10    unassigned         protocol-up/link-up/admin-up
Eth3/10.1  unassigned         protocol-up/link-up/admin-up
Eth3/10.2  unassigned         protocol-up/link-up/admin-up
LEAF-2# show int br | in Eth3/11
Eth3/11    unassigned         protocol-up/link-up/admin-up
Eth3/11.1  unassigned         protocol-up/link-up/admin-up
Eth3/11.2  unassigned         protocol-up/link-up/admin-up
LEAF-2# show int br | in Po10
Po10       up    trunking    --
LEAF-2# show int br | in Po20
Po20       up    trunking    --
LEAF-2# show int br | in Lo0
Lo0        up    10.0.0.53   --
LEAF-2# show int br | in Vlan
Vlan10     up    192.168.1.254 --
Vlan20     up    192.168.2.254 --
LEAF-2# show int br | in Eth1/1
Eth1/1     up    --          trunk    --
Eth1/2     up    --          trunk    --
LEAF-2# show int br | in Eth1/49
Eth1/49    up    --          trunk    --
LEAF-2# show int br | in Eth1/50
Eth1/50    up    --          trunk    --
LEAF-2# show int br | in Eth1/51
Eth1/51    up    --          trunk    --
LEAF-2# show int br | in Eth1/52
Eth1/52    up    --          trunk    --
LEAF-2# show int br | in Eth1/53
Eth1/53    up    --          trunk    --
LEAF-2# show int br | in Eth1/54
Eth1/54    up    --          trunk    --
LEAF-2# show int br | in Eth1/55
Eth1/55    up    --          trunk    --
LEAF-2# show int br | in Eth1/56
Eth1/56    up    --          trunk    --
LEAF-2# show int br | in Eth1/57
Eth1/57    up    --          trunk    --
LEAF-2# show int br | in Eth1/58
Eth1/58    up    --          trunk    --
LEAF-2# show int br | in Eth1/59
Eth1/59    up    --          trunk    --
LEAF-2# show int br | in Eth1/60
Eth1/60    up    --          trunk    --
LEAF-2# show int br | in Eth1/61
Eth1/61    up    --          trunk    --
LEAF-2# show int br | in Eth1/62
Eth1/62    up    --          trunk    --
LEAF-2# show int br | in Eth1/63
Eth1/63    up    --          trunk    --
LEAF-2# show int br | in Eth1/64
Eth1/64    up    --          trunk    --
LEAF-2# show int br | in Eth1/65
Eth1/65    up    --          trunk    --
LEAF-2# show int br | in Eth1/66
Eth1/66    up    --          trunk    --
LEAF-2# show int br | in Eth1/67
Eth1/67    up    --          trunk    --
LEAF-2# show int br | in Eth1/68
Eth1/68    up    --          trunk    --
LEAF-2# show int br | in Eth1/69
Eth1/69    up    --          trunk    --
LEAF-2# show int br | in Eth1/70
Eth1/70    up    --          trunk    --
LEAF-2# show int br | in Eth1/71
Eth1/71    up    --          trunk    --
LEAF-2# show int br | in Eth1/72
Eth1/72    up    --          trunk    --
LEAF-2# show int br | in Eth1/73
Eth1/73    up    --          trunk    --
LEAF-2# show int br | in Eth1/74
Eth1/74    up    --          trunk    --
LEAF-2# show int br | in Eth1/75
Eth1/75    up    --          trunk    --
LEAF-2# show int br | in Eth1/76
Eth1/76    up    --          trunk    --
LEAF-2# show int br | in Eth1/77
Eth1/77    up    --          trunk    --
LEAF-2# show int br | in Eth1/78
Eth1/78    up    --          trunk    --
LEAF-2# show int br | in Eth1/79
Eth1/79    up    --          trunk    --
LEAF-2# show int br | in Eth1/80
Eth1/80    up    --          trunk    --
LEAF-2# ping 10.0.0.1 -c 10 -i 0.2 -s 1500 -M do -vrf vlan-1
PING 10.0.0.1(10.0.0.1) 1500 data bytes
1508 bytes from 10.0.0.1: icmp_seq=1 ttl=254 time=0.96 ms
1508 bytes from 10.0.0.1: icmp_seq=2 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=3 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=4 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=5 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=6 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=7 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=8 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=9 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=10 ttl=254 time=0.94 ms

--- 10.0.0.1 ping statistics ---
10 packets transmitted, 10 packets received, 0.00% packet loss
round-trip min/avg/max = 0.906/0.937/1.251 ms
```

```
LEAF-3# show int br | in Eth3/3
Eth3/3     10.10.0.71/24      protocol-up/link-up/admin-up
LEAF-3# show int br | in Eth3/10
Eth3/10    unassigned         protocol-up/link-up/admin-up
Eth3/10.1  unassigned         protocol-up/link-up/admin-up
Eth3/10.2  unassigned         protocol-up/link-up/admin-up
LEAF-3# show int br | in Eth3/11
Eth3/11    unassigned         protocol-up/link-up/admin-up
Eth3/11.1  unassigned         protocol-up/link-up/admin-up
Eth3/11.2  unassigned         protocol-up/link-up/admin-up
LEAF-3# show int br | in Po10
Po10       up    trunking    --
LEAF-3# show int br | in Po20
Po20       up    trunking    --
LEAF-3# show int br | in Lo0
Lo0        up    10.0.0.54   --
LEAF-3# show int br | in Vlan
Vlan10     up    192.168.1.254 --
Vlan20     up    192.168.2.254 --
LEAF-3# show int br | in Eth1/1
Eth1/1     up    --          trunk    --
Eth1/2     up    --          trunk    --
LEAF-3# show int br | in Eth1/49
Eth1/49    up    --          trunk    --
LEAF-3# show int br | in Eth1/50
Eth1/50    up    --          trunk    --
LEAF-3# show int br | in Eth1/51
Eth1/51    up    --          trunk    --
LEAF-3# show int br | in Eth1/52
Eth1/52    up    --          trunk    --
LEAF-3# show int br | in Eth1/53
Eth1/53    up    --          trunk    --
LEAF-3# show int br | in Eth1/54
Eth1/54    up    --          trunk    --
LEAF-3# show int br | in Eth1/55
Eth1/55    up    --          trunk    --
LEAF-3# show int br | in Eth1/56
Eth1/56    up    --          trunk    --
LEAF-3# show int br | in Eth1/57
Eth1/57    up    --          trunk    --
LEAF-3# show int br | in Eth1/58
Eth1/58    up    --          trunk    --
LEAF-3# show int br | in Eth1/59
Eth1/59    up    --          trunk    --
LEAF-3# show int br | in Eth1/60
Eth1/60    up    --          trunk    --
LEAF-3# show int br | in Eth1/61
Eth1/61    up    --          trunk    --
LEAF-3# show int br | in Eth1/62
Eth1/62    up    --          trunk    --
LEAF-3# show int br | in Eth1/63
Eth1/63    up    --          trunk    --
LEAF-3# show int br | in Eth1/64
Eth1/64    up    --          trunk    --
LEAF-3# show int br | in Eth1/65
Eth1/65    up    --          trunk    --
LEAF-3# show int br | in Eth1/66
Eth1/66    up    --          trunk    --
LEAF-3# show int br | in Eth1/67
Eth1/67    up    --          trunk    --
LEAF-3# show int br | in Eth1/68
Eth1/68    up    --          trunk    --
LEAF-3# show int br | in Eth1/69
Eth1/69    up    --          trunk    --
LEAF-3# show int br | in Eth1/70
Eth1/70    up    --          trunk    --
LEAF-3# show int br | in Eth1/71
Eth1/71    up    --          trunk    --
LEAF-3# show int br | in Eth1/72
Eth1/72    up    --          trunk    --
LEAF-3# show int br | in Eth1/73
Eth1/73    up    --          trunk    --
LEAF-3# show int br | in Eth1/74
Eth1/74    up    --          trunk    --
LEAF-3# show int br | in Eth1/75
Eth1/75    up    --          trunk    --
LEAF-3# show int br | in Eth1/76
Eth1/76    up    --          trunk    --
LEAF-3# show int br | in Eth1/77
Eth1/77    up    --          trunk    --
LEAF-3# show int br | in Eth1/78
Eth1/78    up    --          trunk    --
LEAF-3# show int br | in Eth1/79
Eth1/79    up    --          trunk    --
LEAF-3# show int br | in Eth1/80
Eth1/80    up    --          trunk    --
LEAF-3# ping 10.0.0.1 -c 10 -i 0.2 -s 1500 -M do -vrf vlan-1
PING 10.0.0.1(10.0.0.1) 1500 data bytes
1508 bytes from 10.0.0.1: icmp_seq=1 ttl=254 time=0.96 ms
1508 bytes from 10.0.0.1: icmp_seq=2 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=3 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=4 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=5 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=6 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=7 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=8 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=9 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=10 ttl=254 time=0.94 ms

--- 10.0.0.1 ping statistics ---
10 packets transmitted, 10 received, 0.00% packet loss
round-trip min/avg/max = 0.906/0.937/1.251 ms
```

```
LEAF-4# show int br | in Eth3/3
Eth3/3     10.10.1.71/24      protocol-up/link-up/admin-up
LEAF-4# show int br | in Eth3/10
Eth3/10    unassigned         protocol-up/link-up/admin-up
Eth3/10.1  unassigned         protocol-up/link-up/admin-up
Eth3/10.2  unassigned         protocol-up/link-up/admin-up
LEAF-4# show int br | in Eth3/11
Eth3/11    unassigned         protocol-up/link-up/admin-up
Eth3/11.1  unassigned         protocol-up/link-up/admin-up
Eth3/11.2  unassigned         protocol-up/link-up/admin-up
LEAF-4# show int br | in Po10
Po10       up    trunking    --
LEAF-4# show int br | in Po20
Po20       up    trunking    --
LEAF-4# show int br | in Lo0
Lo0        up    10.0.0.55   --
LEAF-4# show int br | in Vlan
Vlan10     up    192.168.1.254 --
Vlan20     up    192.168.2.254 --
LEAF-4# show int br | in Eth1/1
Eth1/1     up    --          trunk    --
Eth1/2     up    --          trunk    --
LEAF-4# show int br | in Eth1/49
Eth1/49    up    --          trunk    --
LEAF-4# show int br | in Eth1/50
Eth1/50    up    --          trunk    --
LEAF-4# show int br | in Eth1/51
Eth1/51    up    --          trunk    --
LEAF-4# show int br | in Eth1/52
Eth1/52    up    --          trunk    --
LEAF-4# show int br | in Eth1/53
Eth1/53    up    --          trunk    --
LEAF-4# show int br | in Eth1/54
Eth1/54    up    --          trunk    --
LEAF-4# show int br | in Eth1/55
Eth1/55    up    --          trunk    --
LEAF-4# show int br | in Eth1/56
Eth1/56    up    --          trunk    --
LEAF-4# show int br | in Eth1/57
Eth1/57    up    --          trunk    --
LEAF-4# show int br | in Eth1/58
Eth1/58    up    --          trunk    --
LEAF-4# show int br | in Eth1/59
Eth1/59    up    --          trunk    --
LEAF-4# show int br | in Eth1/60
Eth1/60    up    --          trunk    --
LEAF-4# show int br | in Eth1/61
Eth1/61    up    --          trunk    --
LEAF-4# show int br | in Eth1/62
Eth1/62    up    --          trunk    --
LEAF-4# show int br | in Eth1/63
Eth1/63    up    --          trunk    --
LEAF-4# show int br | in Eth1/64
Eth1/64    up    --          trunk    --
LEAF-4# show int br | in Eth1/65
Eth1/65    up    --          trunk    --
LEAF-4# show int br | in Eth1/66
Eth1/66    up    --          trunk    --
LEAF-4# show int br | in Eth1/67
Eth1/67    up    --          trunk    --
LEAF-4# show int br | in Eth1/68
Eth1/68    up    --          trunk    --
LEAF-4# show int br | in Eth1/69
Eth1/69    up    --          trunk    --
LEAF-4# show int br | in Eth1/70
Eth1/70    up    --          trunk    --
LEAF-4# show int br | in Eth1/71
Eth1/71    up    --          trunk    --
LEAF-4# show int br | in Eth1/72
Eth1/72    up    --          trunk    --
LEAF-4# show int br | in Eth1/73
Eth1/73    up    --          trunk    --
LEAF-4# show int br | in Eth1/74
Eth1/74    up    --          trunk    --
LEAF-4# show int br | in Eth1/75
Eth1/75    up    --          trunk    --
LEAF-4# show int br | in Eth1/76
Eth1/76    up    --          trunk    --
LEAF-4# show int br | in Eth1/77
Eth1/77    up    --          trunk    --
LEAF-4# show int br | in Eth1/78
Eth1/78    up    --          trunk    --
LEAF-4# show int br | in Eth1/79
Eth1/79    up    --          trunk    --
LEAF-4# show int br | in Eth1/80
Eth1/80    up    --          trunk    --
LEAF-4# ping 10.0.0.1 -c 10 -i 0.2 -s 1500 -M do -vrf vlan-1
PING 10.0.0.1(10.0.0.1) 1500 data bytes
1508 bytes from 10.0.0.1: icmp_seq=1 ttl=254 time=0.96 ms
1508 bytes from 10.0.0.1: icmp_seq=2 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=3 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=4 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=5 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=6 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=7 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=8 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=9 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=10 ttl=254 time=0.94 ms

--- 10.0.0.1 ping statistics ---
10 packets transmitted, 10 received, 0.00% packet loss
round-trip min/avg/max = 0.906/0.937/1.251 ms
```

```
LEAF-1# show int br | in Eth1/1
Eth1/1     up    --          trunk    --
LEAF-1# show int br | in Eth1/2
Eth1/2     up    --          trunk    --
LEAF-1# show int br | in Eth1/49
Eth1/49    up    --          trunk    --
LEAF-1# show int br | in Eth1/50
Eth1/50    up    --          trunk    --
LEAF-1# show int br | in Eth1/51
Eth1/51    up    --          trunk    --
LEAF-1# show int br | in Eth1/52
Eth1/52    up    --          trunk    --
LEAF-1# show int br | in Eth1/53
Eth1/53    up    --          trunk    --
LEAF-1# show int br | in Eth1/54
Eth1/54    up    --          trunk    --
LEAF-1# show int br | in Eth1/55
Eth1/55    up    --          trunk    --
LEAF-1# show int br | in Eth1/56
Eth1/56    up    --          trunk    --
LEAF-1# show int br | in Eth1/57
Eth1/57    up    --          trunk    --
LEAF-1# show int br | in Eth1/58
Eth1/58    up    --          trunk    --
LEAF-1# show int br | in Eth1/59
Eth1/59    up    --          trunk    --
LEAF-1# show int br | in Eth1/60
Eth1/60    up    --          trunk    --
LEAF-1# show int br | in Eth1/61
Eth1/61    up    --          trunk    --
LEAF-1# show int br | in Eth1/62
Eth1/62    up    --          trunk    --
LEAF-1# show int br | in Eth1/63
Eth1/63    up    --          trunk    --
LEAF-1# show int br | in Eth1/64
Eth1/64    up    --          trunk    --
LEAF-1# show int br | in Eth1/65
Eth1/65    up    --          trunk    --
LEAF-1# show int br | in Eth1/66
Eth1/66    up    --          trunk    --
LEAF-1# show int br | in Eth1/67
Eth1/67    up    --          trunk    --
LEAF-1# show int br | in Eth1/68
Eth1/68    up    --          trunk    --
LEAF-1# show int br | in Eth1/69
Eth1/69    up    --          trunk    --
LEAF-1# show int br | in Eth1/70
Eth1/70    up    --          trunk    --
LEAF-1# show int br | in Eth1/71
Eth1/71    up    --          trunk    --
LEAF-1# show int br | in Eth1/72
Eth1/72    up    --          trunk    --
LEAF-1# show int br | in Eth1/73
Eth1/73    up    --          trunk    --
LEAF-1# show int br | in Eth1/74
Eth1/74    up    --          trunk    --
LEAF-1# show int br | in Eth1/75
Eth1/75    up    --          trunk    --
LEAF-1# show int br | in Eth1/76
Eth1/76    up    --          trunk    --
LEAF-1# show int br | in Eth1/77
Eth1/77    up    --          trunk    --
LEAF-1# show int br | in Eth1/78
Eth1/78    up    --          trunk    --
LEAF-1# show int br | in Eth1/79
Eth1/79    up    --          trunk    --
LEAF-1# show int br | in Eth1/80
Eth1/80    up    --          trunk    --
LEAF-1# show int br | in Po10
Po10       up    trunking    --
LEAF-1# show int br | in Po20
Po20       up    trunking    --
LEAF-1# show int br | in Lo0
Lo0        up    10.0.0.52   --
LEAF-1# show int br | in Vlan
Vlan10     up    192.168.1.254 --
Vlan20     up    192.168.2.254 --
LEAF-1# show int br | in Eth3/3
Eth3/3     10.10.10.71/24     protocol-up/link-up/admin-up
LEAF-1# show int br | in Eth3/10
Eth3/10    unassigned         protocol-up/link-up/admin-up
Eth3/10.1  unassigned         protocol-up/link-up/admin-up
Eth3/10.2  unassigned         protocol-up/link-up/admin-up
LEAF-1# show int br | in Eth3/11
Eth3/11    unassigned         protocol-up/link-up/admin-up
Eth3/11.1  unassigned         protocol-up/link-up/admin-up
Eth3/11.2  unassigned         protocol-up/link-up/admin-up
LEAF-1# show int br | in Eth1/49
Eth1/49    up    --          trunk    --
LEAF-1# show int br | in Eth1/50
Eth1/50    up    --          trunk    --
LEAF-1# show int br | in Eth1/51
Eth1/51    up    --          trunk    --
LEAF-1# show int br | in Eth1/52
Eth1/52    up    --          trunk    --
LEAF-1# show int br | in Eth1/53
Eth1/53    up    --          trunk    --
LEAF-1# show int br | in Eth1/54
Eth1/54    up    --          trunk    --
LEAF-1# show int br | in Eth1/55
Eth1/55    up    --          trunk    --
LEAF-1# show int br | in Eth1/56
Eth1/56    up    --          trunk    --
LEAF-1# show int br | in Eth1/57
Eth1/57    up    --          trunk    --
LEAF-1# show int br | in Eth1/58
Eth1/58    up    --          trunk    --
LEAF-1# show int br | in Eth1/59
Eth1/59    up    --          trunk    --
LEAF-1# show int br | in Eth1/60
Eth1/60    up    --          trunk    --
LEAF-1# show int br | in Eth1/61
Eth1/61    up    --          trunk    --
LEAF-1# show int br | in Eth1/62
Eth1/62    up    --          trunk    --
LEAF-1# show int br | in Eth1/63
Eth1/63    up    --          trunk    --
LEAF-1# show int br | in Eth1/64
Eth1/64    up    --          trunk    --
LEAF-1# show int br | in Eth1/65
Eth1/65    up    --          trunk    --
LEAF-1# show int br | in Eth1/66
Eth1/66    up    --          trunk    --
LEAF-1# show int br | in Eth1/67
Eth1/67    up    --          trunk    --
LEAF-1# show int br | in Eth1/68
Eth1/68    up    --          trunk    --
LEAF-1# show int br | in Eth1/69
Eth1/69    up    --          trunk    --
LEAF-1# show int br | in Eth1/70
Eth1/70    up    --          trunk    --
LEAF-1# show int br | in Eth1/71
Eth1/71    up    --          trunk    --
LEAF-1# show int br | in Eth1/72
Eth1/72    up    --          trunk    --
LEAF-1# show int br | in Eth1/73
Eth1/73    up    --          trunk    --
LEAF-1# show int br | in Eth1/74
Eth1/74    up    --          trunk    --
LEAF-1# show int br | in Eth1/75
Eth1/75    up    --          trunk    --
LEAF-1# show int br | in Eth1/76
Eth1/76    up    --          trunk    --
LEAF-1# show int br | in Eth1/77
Eth1/77    up    --          trunk    --
LEAF-1# show int br | in Eth1/78
Eth1/78    up    --          trunk    --
LEAF-1# show int br | in Eth1/79
Eth1/79    up    --          trunk    --
LEAF-1# show int br | in Eth1/80
Eth1/80    up    --          trunk    --
LEAF-1# ping 10.0.0.1 -c 10 -i 0.2 -s 1500 -M do -vrf vlan-1
PING 10.0.0.1(10.0.0.1) 1500 data bytes
1508 bytes from 10.0.0.1: icmp_seq=1 ttl=254 time=0.96 ms
1508 bytes from 10.0.0.1: icmp_seq=2 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=3 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=4 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=5 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=6 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=7 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=8 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=9 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=10 ttl=254 time=0.94 ms

--- 10.0.0.1 ping statistics ---
10 packets transmitted, 10 received, 0.00% packet loss
round-trip min/avg/max = 0.906/0.937/1.251 ms
```

```
LEAF-1# show ip int br | in Vlan
Vlan10     up    192.168.1.254 --
Vlan20     up    192.168.2.254 --
LEAF-1# show int br | in Eth3/3
Eth3/3     10.10.10.71/24     protocol-up/link-up/admin-up
LEAF-1# show int br | in Eth3/10
Eth3/10    unassigned         protocol-up/link-up/admin-up
Eth3/10.1  unassigned         protocol-up/link-up/admin-up
Eth3/10.2  unassigned         protocol-up/link-up/admin-up
LEAF-1# show int br | in Eth3/11
Eth3/11    unassigned         protocol-up/link-up/admin-up
Eth3/11.1  unassigned         protocol-up/link-up/admin-up
Eth3/11.2  unassigned         protocol-up/link-up/admin-up
LEAF-1# show int br | in Po10
Po10       up    trunking    --
LEAF-1# show int br | in Po20
Po20       up    trunking    --
LEAF-1# show int br | in Lo0
Lo0        up    10.0.0.52   --
LEAF-1# show int br | in Eth1/1
Eth1/1     up    --          trunk    --
Eth1/2     up    --          trunk    --
LEAF-1# show int br | in Eth1/49
Eth1/49    up    --          trunk    --
LEAF-1# show int br | in Eth1/50
Eth1/50    up    --          trunk    --
LEAF-1# show int br | in Eth1/51
Eth1/51    up    --          trunk    --
LEAF-1# show int br | in Eth1/52
Eth1/52    up    --          trunk    --
LEAF-1# show int br | in Eth1/53
Eth1/53    up    --          trunk    --
LEAF-1# show int br | in Eth1/54
Eth1/54    up    --          trunk    --
LEAF-1# show int br | in Eth1/55
Eth1/55    up    --          trunk    --
LEAF-1# show int br | in Eth1/56
Eth1/56    up    --          trunk    --
LEAF-1# show int br | in Eth1/57
Eth1/57    up    --          trunk    --
LEAF-1# show int br | in Eth1/58
Eth1/58    up    --          trunk    --
LEAF-1# show int br | in Eth1/59
Eth1/59    up    --          trunk    --
LEAF-1# show int br | in Eth1/60
Eth1/60    up    --          trunk    --
LEAF-1# show int br | in Eth1/61
Eth1/61    up    --          trunk    --
LEAF-1# show int br | in Eth1/62
Eth1/62    up    --          trunk    --
LEAF-1# show int br | in Eth1/63
Eth1/63    up    --          trunk    --
LEAF-1# show int br | in Eth1/64
Eth1/64    up    --          trunk    --
LEAF-1# show int br | in Eth1/65
Eth1/65    up    --          trunk    --
LEAF-1# show int br | in Eth1/66
Eth1/66    up    --          trunk    --
LEAF-1# show int br | in Eth1/67
Eth1/67    up    --          trunk    --
LEAF-1# show int br | in Eth1/68
Eth1/68    up    --          trunk    --
LEAF-1# show int br | in Eth1/69
Eth1/69    up    --          trunk    --
LEAF-1# show int br | in Eth1/70
Eth1/70    up    --          trunk    --
LEAF-1# show int br | in Eth1/71
Eth1/71    up    --          trunk    --
LEAF-1# show int br | in Eth1/72
Eth1/72    up    --          trunk    --
LEAF-1# show int br | in Eth1/73
Eth1/73    up    --          trunk    --
LEAF-1# show int br | in Eth1/74
Eth1/74    up    --          trunk    --
LEAF-1# show int br | in Eth1/75
Eth1/75    up    --          trunk    --
LEAF-1# show int br | in Eth1/76
Eth1/76    up    --          trunk    --
LEAF-1# show int br | in Eth1/77
Eth1/77    up    --          trunk    --
LEAF-1# show int br | in Eth1/78
Eth1/78    up    --          trunk    --
LEAF-1# show int br | in Eth1/79
Eth1/79    up    --          trunk    --
LEAF-1# show int br | in Eth1/80
Eth1/80    up    --          trunk    --
LEAF-1# ping 10.0.0.1 -c 10 -i 0.2 -s 1500 -M do -vrf vlan-1
PING 10.0.0.1(10.0.0.1) 1500 data bytes
1508 bytes from 10.0.0.1: icmp_seq=1 ttl=254 time=0.96 ms
1508 bytes from 10.0.0.1: icmp_seq=2 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=3 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=4 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=5 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=6 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=7 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=8 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=9 ttl=254 time=0.94 ms
1508 bytes from 10.0.0.1: icmp_seq=10 ttl=254 time=0.94 ms

--- 10.0.0.1 ping statistics ---
10 packets transmitted, 10 received, 0.00% packet loss
round-trip min/avg/max = 0.906/0.937/1.251 ms
```

```
LEAF-1# show vpc
Legend:
                (*) - local vPC is down, forwarding via vPC peer-link

vPC domain id                     : 1
Peer status                       : peer adjacency formed ok
vPC keep-alive status             : peer is alive
Configuration consistency status  : success
Per-vlan consistency status       : success
Type-2 consistency status         : success
vPC role                          : primary
Number of vPCs configured         : 2
Peer Gateway                      : Disabled
Dual-active excluded VLANs        : -
Graceful Consistency Check        : Enabled
Auto-recovery status              : Disabled
Delay-restore status              : Timer is off.(timeout = 30s)
Delay-restore SVI status          : Timer is off.(timeout = 10s)
Operational Layer3 Peer-router    : Disabled
Virtual peer-link mode            : Disabled

vPC Peer-link status
---------------------
id   Port   Status Active vlans
--   ----   ------ -------------
1    Po1    up     1,10,20

vPC status
----------------------------------------------------------------------------
id     Port   Status Consistency Reason                Active vlans
------ ------ ------ ----------- ------                ------------
10     Po10   up     success     success               10,20

Please check "show vpc consistency-parameters vpc <vpc-num>" for the
consistency reason of down vpc and for type-2 consistency reasons for
any vpc.

LEAF-1# show vlan brief

VLAN Name                             Status    Ports
---- -------------------------------- --------- -------------------------------
1    default                          active    Po1, Eth1/49
10   VLANB010                         active    Po1, Po10, Eth1/50, Eth1/60
20   VLANB020                         active    Po1, Po10, Eth1/60

LEAF-1# show vpc peer-keepalive

vPC keep-alive status             : peer is alive
--Peer is alive for               : (11) secs
--Send status                     : Success
--Last send at                    : 2021.10.04 22:30:13 988 ms
--Sent on interface               : mgmt0
--Receive status                  : Success
--Last receive at                 : 2021.10.04 22:30:13 988 ms
--Received on interface           : mgmt0
--Last update from peer            : (0) secs, (277) msec

vPC keep-alive parameters
--Destination                     : 10.122.189.125
--Keepalive interval              : 1000 msec
--Keepalive timeout               : 5 seconds
--Keepalive hold timeout          : 3 seconds
--Keepalive vrf                   : management
--Keepalive port                  : 3200
--Keepalive tos                   : 192

LEAF-1# show vpc role

vPC role status
----------------------------------------------------------------------------
vPC role                              : primary
Dual-active Detection Status          : primary
vPC system-mac                        : 00:23:04:ee:be:01
vPC system-priority                   : 32667
vPC local system-mac                  : 5c:a4:7f:3e:a7
vPC local role-priority               : 32667
vPC peer system-mac                   : 00:23:04:ee:be:01
vPC peer system-priority              : 32667
vPC peer role-priority                : 32667
vPC peer status                       : peer is alive

LEAF-1# show vpc consistency-parameters global

Legend:
        Type 1 : vPC will be suspended in case of mismatch

Name                        Type  Local Value            Peer Value
-------------               ----  ----------------       ----------------
STP Mst Simplex PVST        1     Enabled                Enabled
STP Port Type,Edge          1     Normal,Disabled,       
```