Configurar o EVPN-VXLAN multisite do Nexus com o servidor de roteamento

Contents

Introdução

Este documento descreve como configurar e verificar o ambiente de vários locais Ethernet VPN/Virtual Extensible LAN (EVPN/VxLAN) em switches Cisco Nexus 9000. Envolve peering de estrutura virtual em nós leaf do vPC.

Para a conectividade de site para site, o conceito do servidor de rota é explicado.

Pré-requisitos

Requisitos

A Cisco recomenda que você tenha conhecimento destes tópicos:

- Multiprotocol Label Switching (MPLS) Camada 3 VPN
- Protocolo de gateway de borda multiprotocolo (MP-BGP)
- EVPN

Componentes Utilizados

As informações neste documento são baseadas nestas versões de software e hardware:

Todos os folhetos do site	N9K-C933C-FX2	NXOS: 10.2(3)
S1_Spine1	N9K-C9364C	NXOS: 10.2(4)
S1_Spine2	N9K-C9364C	NXOS 9.3(5)
S1_Border Gateway1, S2_Border Gateway2, S2_Border Gateway1	N9K-C9332C	NXOS: 9.3(9)
S1_Border Gateway2	N9K-C9332C	NXOS: 10.2(4)
Servidor de Rota	N9K-C9396PX	NXOS: 9.2(2)
Host 1	N3K-C3264C-E	NXOS: 9.3(5)
Host 2 e Host 3	N3K-C3264C-E	NXOS: 9.2(2)

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

Informações de Apoio

O data center é um pool de recursos que contém a potência computacional, o armazenamento e os aplicativos necessários para oferecer suporte a qualquer ambiente de negócios. O planejamento adequado do design da infraestrutura do data center é vital. Este documento aborda requisitos críticos, como para redes hospitalares, e como atender ou exceder esses requisitos. As implantações modernas de infraestrutura de TI e data center precisam de alta disponibilidade (HA), a capacidade de escalar a uma taxa mais rápida e alto desempenho o tempo todo.

Alguns requisitos vitais explorados no espaço de projeto/arquitetura de DC incluem:

- A densidade de porta é melhorada pelo extensor de estrutura (FEX).
- A capacidade de computação é aprimorada pela virtualização de hardware (UCS).
- A largura de banda do uplink da camada de acesso é melhorada pelo canal de porta.
- A redundância no nível do chassi é aprimorada pelo vPC.
- A malha de SDN (Software-Defined Networking, rede definida por software) é aprimorada pela ACI (Application Centric Infrastructure, infraestrutura centrada em aplicativos) - automatiza a sobreposição e a subjacência em uma malha.
- A implantação rápida e o suporte a novos serviços são aprimorados pelo Data Center Network Manager (DCNM).
- O requisito de largura de banda para aplicações de longo alcance é melhorado pelo serviço de fibra escura ou de comprimento de onda.
- Acima de tudo, a redundância geográfica e o dimensionamento são atributos importantes para pulsar/dimensionar o ambiente do data center. O VxLAN/EVPN em vários locais nos ajuda a ter melhores soluções de interconexão de data center (DCI).

De que forma o uso de vários sites é útil?

A conectividade externa inclui a conexão do data center ao restante da rede: à Internet, à WAN ou ao campus. Todas as opções fornecidas para conectividade externa são sensíveis a multilocatário e se concentram no transporte da Camada 3 (L3) para os domínios de rede externos.

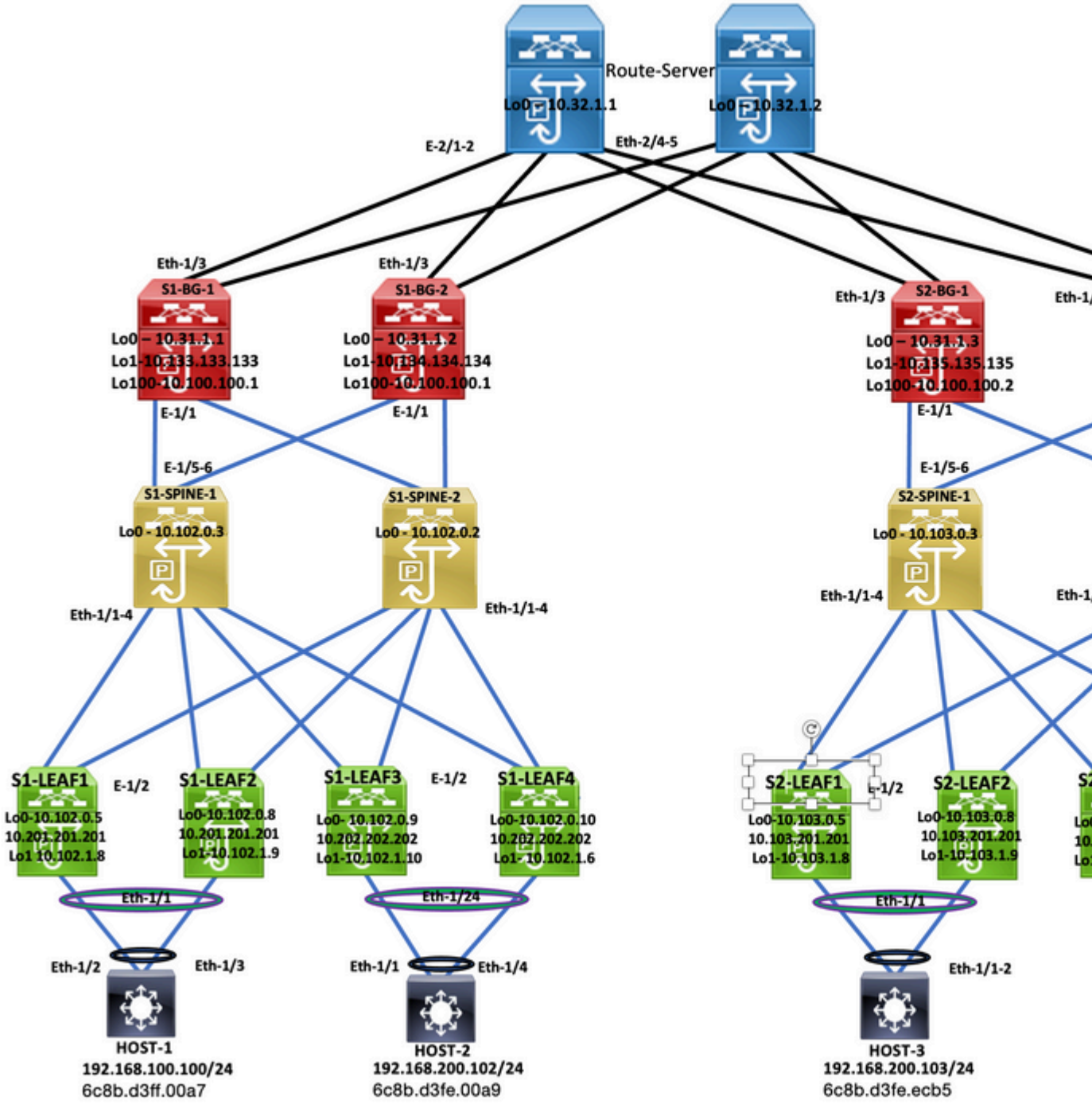
- O EVPN é uma solução VPN completa de próxima geração.
- Ele não só faz o trabalho de muitas outras tecnologias VPN, mas também é melhor.
- Integração com redes antigas.
- Anúncio/extensão seletiva:
    - Estenda a única Camada 2 (L2) - VLANs/sub-redes específicas que podem ser estendidas com rotas Tipo 2.
    - Estenda os únicos domínios L3 - domínios L3 específicos podem ser estendidos com rotas Tipo-5.
- Descoberta automática do grupo de redundância com rotas Tipo 4.
- Aliasing, retirada em massa de endereços, indicação Split Horizon (SH) Multi Homing (MH) com rotas Tipo-1.
- Descoberta automática de endpoints de túnel multicast e tipo de túnel multicast (MCAST) com rotas Tipo 3.

Outros benefícios

- Balanceamento de carga de trabalho entre data centers e nuvens.
- Resposta proativa a interrupções - reduz os riscos de desastres próximos, como furacões e inundações.
- Migrações e manutenção do data center - eventos planejados programados ao longo de um período de tempo e integração com redes antigas.
- Backup e recuperação de desastres como serviço (aaS).

Configurar

Diagrama de Rede



Topologia

Configuração do Leaf-1 do site 1

```
feature nxapi
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature nv overlay
```

```
fabric forwarding anycast-gateway-mac 0000.1111.2222

ip pim rp-address 10.102.0.2 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8
ip igmp snooping vxlan

vlan 1,100,200,300-350,2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn
vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn
vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.54 source 10.197.214.53
  virtual peer-link destination 10.102.1.9 source 10.102.1.8 dscp 56
  delay restore 150
  peer-gateway
  ip arp synchronize

interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
```

```
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-350,2001
  spanning-tree port type network
  vpc peer-link

interface port-channel100
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  mtu 9216
  vpc 100

interface nve1
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
```

```
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  mtu 9216
  channel-group 100
  no shutdown

interface Ethernet1/2
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.17.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface loopback0
  ip address 10.102.0.5/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.102.1.8/32
  ip address 10.201.201.201/32 secondary
 ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

router ospf 100
  router-id 10.102.0.5
router bgp 100
  router-id 10.102.0.5
  log-neighbor-changes
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.102.0.2
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.102.0.3
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
```

```
    address-family l2vpn evpn
      send-community
      send-community extended

evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
```

Configuração do Leaf-2 do site 1

```
feature nxapi
feature sftp-server
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature nv overlay
fabric forwarding anycast-gateway-mac 0000.1111.2222

ip pim rp-address 10.102.0.2 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001

vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
```

```
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.53 source 10.197.214.54
  virtual peer-link destination 10.102.1.8 source 10.102.1.9 dscp 56
  delay restore 150
  peer-gateway
  ip arp synchronize

interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects

  fabric forwarding mode anycast-gateway
```

```
interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-350,2001
  spanning-tree port type network
  vpc peer-link

interface port-channel100
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  mtu 9216
  vpc 100

interface nve1
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  mtu 9216
  channel-group 100
  no shutdown
```

```
interface Ethernet1/2
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.18.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface loopback0
  ip address 10.102.0.8/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.102.1.9/32
  ip address 10.201.201.201/32 secondary
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.102.0.8
router bgp 100
  router-id 10.102.0.8
  log-neighbor-changes
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.102.0.2
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.102.0.3
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
```

```
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
```

Configuração do Leaf-3 do site 1

```
feature nxapi
feature bash-shell
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature nv overlay
feature ngoam

fabric forwarding anycast-gateway-mac 0000.1111.2222

ip pim rp-address 10.102.0.2 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001

vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
```

```
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.56 source 10.197.214.55
  virtual peer-link destination 10.102.0.10 source 10.102.0.9 dscp 56
  delay restore 150
  peer-gateway
  layer3 peer-router
  ip arp synchronize

interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel2
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  vpc 2

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-500,2001
  spanning-tree port type network
  vpc peer-link

interface nve1
```

```
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 200,300-305
  mtu 9216
  no shutdown

interface Ethernet1/2
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.19.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/24
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  channel-group 2 mode active
  no shutdown

interface loopback0
  ip address 10.102.0.9/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.102.1.10/32
  ip address 10.202.202.202/32 secondary
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback100
  vrf member vrf_2
  ip address 10.15.100.2/24

router ospf 100
  router-id 10.102.0.9
router bgp 100
  router-id 10.102.0.9
  log-neighbor-changes
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.102.0.2
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
```

```
    address-family ipv6 unicast
      send-community
    send-community extended
   address-family l2vpn evpn
     send-community
     send-community extended
 neighbor 10.102.0.3
   remote-as 100
   update-source loopback0
   address-family ipv4 unicast
   address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
         vrf vrf_2
    address-family ipv4 unicast
      network 10.15.100.2/32
      network 192.168.100.0/24
    neighbor 192.168.100.253
      remote-as 65111
      update-source loopback100
      ebgp-multihop 10
      address-family ipv4 unicast
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
```

Configuração do Leaf-4 do site 1

```
feature nxapi
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
```

```
feature lacp
feature vpc
feature nv overlay
feature ngoam

fabric forwarding anycast-gateway-mac 0000.1111.2222

ip pim rp-address 10.102.0.2 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001

vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
   rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.55 source 10.197.214.56
  virtual peer-link destination 10.102.0.9 source 10.102.0.10 dscp 56
  delay restore 150
  peer-gateway
  layer3 peer-router
  ip arp synchronize


interface Vlan100
  no shutdown
  mtu 9216
```

```
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel2
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  vpc 2

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-500,2001
  spanning-tree port type network
  vpc peer-link

interface nve1
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 200,300-305
  mtu 9216
  no shutdown

interface Ethernet1/2
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.20.12/24
```

```
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/24
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200
  channel-group 2 mode active
  no shutdown

interface loopback0
  ip address 10.102.0.10/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.102.1.6/32
  ip address 10.202.202.202/32 secondary
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback100
  vrf member vrf_2
  ip address 10.15.100.1/24

router ospf 100
  router-id 10.102.0.10
router bgp 100
  router-id 10.102.0.10
  log-neighbor-changes
  address-family ipv4 unicast
  address-family ipv4 mvpn
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.102.0.2
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.102.0.3
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  vrf vrf_2
    address-family ipv4 unicast
      network 10.15.100.1/32
      network 192.168.100.0/24
```

```
    neighbor 192.168.100.253
      remote-as 65111
      update-source loopback100
      ebgp-multihop 3
      address-family ipv4 unicast
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
```

Configuração da Spine-1 do Site 1

```
feature nxapi
nv overlay evpn
feature ospf
feature bgp
feature pim
feature interface-vlan
feature vn-segment-vlan-based
feature lacp


ip pim rp-address 10.102.0.2 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1

interface Ethernet1/1
 mtu 9216
  medium p2p
  ip address 192.168.17.11/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/2
  mtu 9216
  medium p2p
  ip address 192.168.18.11/24
  ip ospf network point-to-point
```

```
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/3
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.19.11/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/4
  mtu 9216
  medium p2p
  ip address 192.168.20.11/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/5
  mtu 9216
  medium p2p
  ip address 192.168.15.11/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/6
  mtu 9216
  medium p2p
  ip address 192.168.16.11/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface loopback0
  description "anycast RP address"
  ip address 10.102.0.2/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.102.0.2
router bgp 100
  router-id 10.102.0.2
  log-neighbor-changes
  address-family ipv4 unicast
  address-family ipv6 unicast
  address-family l2vpn evpn
  neighbor 10.31.1.1
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
```

```
    send-community
    send-community extended
    route-reflector-client
  address-family l2vpn evpn
    send-community
    send-community extended
    route-reflector-client
neighbor 10.31.1.2
  remote-as 100
  update-source loopback0
  address-family ipv4 unicast
  address-family ipv6 unicast
    send-community
    send-community extended
    route-reflector-client
  address-family l2vpn evpn
    send-community
    send-community extended
    route-reflector-client
neighbor 10.102.0.5
  remote-as 100
  update-source loopback0
  address-family ipv4 unicast
  address-family ipv6 unicast
    send-community
    send-community extended
    route-reflector-client
  address-family l2vpn evpn
    send-community
    send-community extended
    route-reflector-client
neighbor 10.102.0.8
  remote-as 100
  update-source loopback0
  address-family ipv4 unicast
  address-family ipv6 unicast
  address-family ipv4 mvpn
    send-community
    send-community extended
    route-reflector-client
  address-family l2vpn evpn
    send-community
    send-community extended
    route-reflector-client
neighbor 10.102.0.9
  remote-as 100
  update-source loopback0
  address-family ipv4 unicast
  address-family ipv6 unicast
    send-community
    send-community extended
    route-reflector-client
  address-family l2vpn evpn
    send-community
    send-community extended
    route-reflector-client
neighbor 10.102.0.10
  remote-as 100
  update-source loopback0
  address-family ipv4 unicast
  address-family ipv6 unicast
    send-community
```

```
      send-community extended
      route-reflector-client
    address-family l2vpn evpn
      send-community
      send-community extended
      route-reflector-client
  neighbor 10.133.133.133
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
  send-community extended
      route-reflector-client
    address-family l2vpn evpn
      send-community
      send-community extended
      route-reflector-client
```

Configuração do gateway de borda 1 do site 1

```
S1-Bg1# show run
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature nv overlay
evpn multisite border-gateway 100
  delay-restore time 300

fabric forwarding anycast-gateway-mac 0000.1111.2222

ip pim rp-address 10.102.0.2 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001

vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502
```

```
route-map REDIST-TO-SITE-EXT-DCI permit 10
  match tag 54321
route-map RETAIN-NEXT-HOP permit 10
  set ip next-hop unchanged

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway
```

```
interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface nve1
  no shutdown
  host-reachability protocol bgp
  source-interface loopback1
  multisite border-gateway interface loopback100
  member vni 4000100
    suppress-arp
    multisite ingress-replication
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    multisite ingress-replication
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.15.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown
  evpn multisite fabric-tracking

interface Ethernet1/3
  mtu 9216
  ip address 10.150.150.1/24 tag 54321
  ip router ospf 100 area 0.0.0.0
  no shutdown
  evpn multisite dci-tracking

interface loopback0
  ip address 10.31.1.1/32 tag 54321
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.133.133.133/32 tag 54321
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback100
```

```
  description "Multi-site VIP"
  ip address 10.100.100.1/32 tag 54321
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.31.1.1
router bgp 100
  router-id 10.31.1.1
  log-neighbor-changes
  address-family ipv4 unicast
    redistribute direct route-map REDIST-TO-SITE-EXT-DCI
  address-family ipv4 mvpn
  address-family l2vpn evpn
  neighbor 10.32.1.1
    remote-as 300
    update-source loopback0
    ebgp-multihop 5
    peer-type fabric-external
    address-family ipv4 mvpn
      send-community
      send-community extended
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
      send-community extended
      rewrite-evpn-rt-asn
  neighbor 10.102.0.2
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.150.150.2
    remote-as 300
    address-family ipv4 unicast
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
```

```
    route-target export auto
```

Configuração do gateway de borda do site 1-2

```
S1_B2#
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature nv overlay
evpn multisite border-gateway 100
  delay-restore time 300

fabric forwarding anycast-gateway-mac 0000.2222.4444

ip pim rp-address 10.102.0.2 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

route-map REDIST-TO-SITE-EXT-DCI permit 10
  match tag 54321
route-map RETAIN-NEXT-HOP permit 10
  set ip next-hop unchanged

vrf context L3VNI4000999
  vni 4000999
  rd auto
address-family ipv4 unicast
   route-target both auto
   route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn
```

```
vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects
```

```
interface nve1
  no shutdown
  host-reachability protocol bgp
  source-interface loopback1
  multisite border-gateway interface loopback100
  member vni 4000100
    suppress-arp
    multisite ingress-replication
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    multisite ingress-replication
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.16.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown
  evpn multisite fabric-tracking

interface Ethernet1/3
  mtu 9216
  ip address 10.150.151.1/24 tag 54321
  ip router ospf 100 area 0.0.0.0
  no shutdown
  evpn multisite dci-tracking

interface loopback0
  ip address 10.31.1.2/32 tag 54321
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.134.134.134/32 tag 54321
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback100
  description "Multi-site VIP"
  ip address 10.100.100.1/32 tag 54321
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.31.1.2
router bgp 100
  router-id 10.31.1.2
  log-neighbor-changes
  address-family ipv4 unicast
    redistribute direct route-map REDIST-TO-SITE-EXT-DCI
  address-family ipv4 mvpn
  address-family l2vpn evpn
  neighbor 10.32.1.1
    remote-as 300
    update-source loopback0
```

```
    ebgp-multihop 5
    peer-type fabric-external
    address-family ipv4 mvpn
      send-community
      send-community extended
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
      send-community extended
      rewrite-evpn-rt-asn
  neighbor 10.102.0.2
    remote-as 100
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.150.151.2
    remote-as 300
    address-family ipv4 unicast
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
S1_B2#
```

Servidor do roteador

```
Router_Server#
nv overlay evpn
feature ospf
feature bgp
feature pim
feature interface-vlan

vlan 1

route-map REDIST-TO-SITE-EXT-DCI permit 10
```

```
  match tag 54321
route-map RETAIN-NEXT-HOP permit 10
  set ip next-hop unchanged


interface Ethernet2/1
  no switchport
  ip address 10.150.150.2/24
  no shutdown

interface Ethernet2/2
  no switchport
  ip address 10.150.151.2/24
  no shutdown

interface Ethernet2/4
  no switchport
  ip address 10.150.152.2/24
  no shutdown

interface Ethernet2/5
  no switchport
  mtu 9216
  ip address 10.150.153.2/24
  no shutdown

interface loopback0
  ip address 10.32.1.1/32 tag 54321

router bgp 300
  router-id 10.32.1.1
  address-family ipv4 unicast
    redistribute direct route-map REDIST-TO-SITE-EXT-DCI
    maximum-paths 2
    retain route-target all
  address-family l2vpn evpn
    retain route-target all
  neighbor 10.31.1.1
    remote-as 100
    update-source loopback0
    ebgp-multihop 5
    address-family ipv4 unicast
      send-community
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-evpn-rt-asn
  neighbor 10.31.1.2
    remote-as 100
    update-source loopback0
    ebgp-multihop 5
    address-family ipv4 unicast
      send-community
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
```

```
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-evpn-rt-asn
  neighbor 10.31.1.3
    remote-as 200
    update-source loopback0
    ebgp-multihop 5
    address-family ipv4 unicast
      send-community
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-evpn-rt-asn
  neighbor 10.31.1.4
    remote-as 200
    update-source loopback0
    ebgp-multihop 5
    address-family ipv4 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
      send-community extended
      route-map RETAIN-NEXT-HOP out
      rewrite-evpn-rt-asn
  neighbor 10.150.150.1
    remote-as 100
    address-family ipv4 unicast
  neighbor 10.150.151.1
    remote-as 100
    address-family ipv4 unicast
  neighbor 10.150.152.1
    remote-as 200
    address-family ipv4 unicast
  neighbor 10.150.153.1
    remote-as 200
    address-family ipv4 unicast
Router_Server#
```

Configuração do gateway de borda 1 do site 2

```
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature nv overlay
```

```
evpn multisite border-gateway 200

fabric forwarding anycast-gateway-mac 0000.2222.4444

ip pim rp-address 10.103.0.3 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2000-2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2000
  vn-segment 2000
vlan 2001
  vn-segment 4000502

route-map REDIST-TO-SITE-EXT-DCI permit 10
  match tag 54321
route-map RETAIN-NEXT-HOP permit 10
  set ip next-hop unchanged

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
```

```
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface nve1
  no shutdown
  host-reachability protocol bgp
  source-interface loopback1
  multisite border-gateway interface loopback100
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.17.12/24
```

```
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown
  evpn multisite fabric-tracking

interface Ethernet1/3
  mtu 9216
  ip address 10.150.152.1/24 tag 54321
  ip router ospf 200 area 0.0.0.0
  no shutdown
  evpn multisite dci-tracking

interface loopback0
  ip address 10.31.1.3/32 tag 54321
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.135.135.135/32 tag 54321
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode

interface loopback100
  description "Multi-site VIP"
  ip address 10.100.100.2/32 tag 54321
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 200
router bgp 200
  router-id 10.31.1.3
  log-neighbor-changes
  address-family ipv4 unicast
    redistribute direct route-map REDIST-TO-SITE-EXT-DCI
  address-family l2vpn evpn
  neighbor 10.32.1.1
    remote-as 300
    update-source loopback0
    ebgp-multihop 5
    peer-type fabric-external
      send-community
      send-community extended
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
      send-community extended
      rewrite-evpn-rt-asn
  neighbor 10.103.0.3
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.150.152.2
    remote-as 300
    address-family ipv4 unicast
```

```
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
```

Configuração do gateway de borda do site 2-2

```
S2-BG2#
cfs ipv4 distribute
feature ngmvpn
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature lldp
feature bfd
feature nv overlay
evpn multisite border-gateway 200
  delay-restore time 300

fabric forwarding anycast-gateway-mac 0000.2222.4444
ip pim rp-address 10.103.0.3 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,301-303,350,2000-2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
```

```
  vn-segment 4000999
vlan 2000
  vn-segment 2000
vlan 2001
  vn-segment 4000502

route-map REDIST-TO-SITE-EXT-DCI permit 10
  match tag 54321
route-map RETAIN-NEXT-HOP permit 10
  set ip next-hop unchanged

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn




interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway
```

```
interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface nve1
  no shutdown
  host-reachability protocol bgp
  source-interface loopback1
  multisite border-gateway interface loopback100
  member vni 4000100
    suppress-arp
    multisite ingress-replication
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    multisite ingress-replication
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.18.12/24
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown
  evpn multisite fabric-tracking

interface Ethernet1/3
  mtu 9216
  ip address 10.150.153.1/24 tag 54321
  ip router ospf 200 area 0.0.0.0
  no shutdown
  evpn multisite dci-tracking

interface loopback0
```

```
  ip address 10.31.1.4/32 tag 54321
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.136.136.136/32 tag 54321
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode

interface loopback100
  description "Multi-site VIP"
  ip address 10.100.100.2/32 tag 54321
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 200
router bgp 200
  router-id 10.31.1.4
  log-neighbor-changes
  address-family ipv4 unicast
    redistribute direct route-map REDIST-TO-SITE-EXT-DCI
  address-family l2vpn evpn
  neighbor 10.32.1.1
    remote-as 300
    update-source loopback0
    ebgp-multihop 5
    peer-type fabric-external
      send-community
      send-community extended
      rewrite-rt-asn
    address-family l2vpn evpn
      send-community
      send-community extended
      rewrite-evpn-rt-asn
  neighbor 10.103.0.3
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.150.153.2
    remote-as 300
    address-family ipv4 unicast
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
```

```
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
S2-BG2#
```

Configuração da Spine-1 do Site 2

```
S2-Spine1#
feature nxapi
cfs ipv4 distribute
cfs eth distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature ngoam

ip pim rp-address 10.103.0.3 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

interface Ethernet1/1
  mtu 9216
  medium p2p
  ip address 192.168.0.11/24
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/2
  mtu 9216
  medium p2p
  ip address 192.168.1.11/24
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/3
  mtu 9216
  medium p2p
  ip address 192.168.2.11/24
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/4
  mtu 9216
```

```
  medium p2p
  ip address 192.168.3.11/24
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/5
  mtu 9216
  medium p2p
  ip address 192.168.17.11/24
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/6
  mtu 9216
  medium p2p
  ip address 192.168.18.11/24
  ip ospf network point-to-point
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface loopback0
  description "anycast RP address"
  ip address 10.103.0.3/32
  ip router ospf 200 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 200
  router-id 10.202.0.3
router bgp 200
  router-id 10.103.0.3
  log-neighbor-changes
  address-family ipv4 unicast
  address-family ipv6 unicast
  address-family ipv4 mvpn
  address-family l2vpn evpn
  neighbor 10.31.1.3
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.31.1.4
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.103.0.5
```

```
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
      route-reflector-client
    address-family l2vpn evpn
      send-community
      send-community extended
      route-reflector-client
  neighbor 10.103.0.8
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
      route-reflector-client
    address-family l2vpn evpn
      send-community
      send-community extended
      route-reflector-client
  neighbor 10.103.0.9
    remote-as 200
    update-source loopback0
    address-family ipv4 uncast
    address-family ipv6 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
      route-reflector-client
    address-family l2vpn evpn
      send-community
      send-community extended
      route-reflector-client
  neighbor 10.103.0.10
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
      route-reflector-client
    address-family l2vpn evpn
      send-community
      send-community extended
      route-reflector-client
S2-Spine1#
```

Configuração do Leaf-1 do site 2

```
feature nxapi
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
```

```
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature nv overlay

fabric forwarding anycast-gateway-mac 0000.1111.2222
ip pim rp-address 10.103.0.3 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

route-map DIRECT permit 10
  match tag 12345
route-map DIRECT deny 90
vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.63
  virtual peer-link destination 10.103.1.9 source 10.103.1.8 dscp 56
  delay restore 150
  peer-gateway
  ip arp synchronize
```

```
interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-500
  spanning-tree port type network
```

```
  vpc peer-link

interface port-channel100
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  vpc 100

interface nve1
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  channel-group 100
  no shutdown

interface Ethernet1/2
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.0.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface loopback0
  ip address 10.103.0.5/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.103.1.8/32
  ip address 10.103.201.201/32 secondary
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.102.0.5
router bgp 200
  router-id 10.103.0.5
  log-neighbor-changes
  address-family ipv4 mvpn
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.103.0.2
    remote-as 200
```

```
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.103.0.3
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
```

Configuração do Leaf-2 do site 2

```
S2-Leaf2#
feature nxapi
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature nv overlay

fabric forwarding anycast-gateway-mac 0000.1111.2222
ip pim rp-address 10.103.0.3 group-list 224.0.0.0/4
```

```
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.62
  virtual peer-link destination 10.103.1.8 source 10.103.1.9 dscp 56
  delay restore 150
  peer-gateway
  ip arp synchronize




interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
```

```
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-500
  spanning-tree port type network
  vpc peer-link

interface port-channel100
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  vpc 100

interface nve1
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
```

```
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  channel-group 100
  no shutdown

interface Ethernet1/2
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.1.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface loopback0
  ip address 10.103.0.8/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.103.1.9/32
  ip address 10.103.201.201/32 secondary
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.102.0.8
router bgp 200
  router-id 10.103.0.8
  log-neighbor-changes
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.103.0.2
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.103.0.3
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
```

```
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
S2-Leaf2#
```

Configuração do Leaf-3 do site 2

```
S2-leaf3#
feature nxapi
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature nv overlay

fabric forwarding anycast-gateway-mac 0000.1111.2222
ip pim rp-address 10.103.0.3 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
```

```
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
vlan 2001
  vn-segment 4000502

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.65
  virtual peer-link destination 10.103.1.6 source 10.103.1.10 dscp 56
  delay restore 150
  peer-gateway
  ip arp synchronize




interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
```

```
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-500
  spanning-tree port type network
  vpc peer-link

interface port-channel100
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  vpc 100

interface nve1
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/2
  mtu 9216
  port-type fabric
```

```
  medium p2p
  ip address 192.168.2.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
  no shutdown

interface Ethernet1/23
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  channel-group 100
  no shutdown

interface Ethernet1/24
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  channel-group 100
  no shutdown

interface loopback0
  ip address 10.103.0.9/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.103.1.10/32
  ip address 10.103.202.202/32 secondary
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.102.0.9
router bgp 200
  router-id 10.103.0.9
  log-neighbor-changes
  address-family ipv4 mvpn
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.103.0.2
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.103.0.3
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
```

```
      send-community
      send-community extended
evpn
  vni 4000100 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
```

Configuração do Leaf-4 do site 2

```
S2-Leaf4#
feature nxapi
cfs ipv4 distribute
nv overlay evpn
feature ospf
feature bgp
feature pim
feature fabric forwarding
feature interface-vlan
feature vn-segment-vlan-based
feature lacp
feature vpc
feature nv overlay

fabric forwarding anycast-gateway-mac 0000.1111.2222
ip pim rp-address 10.103.0.3 group-list 224.0.0.0/4
ip pim ssm range 232.0.0.0/8

vlan 1,100,200,300-350,2001
vlan 100
  vn-segment 4000100
vlan 200
  vn-segment 4000200
vlan 301
  vn-segment 4000301
vlan 302
  vn-segment 4000302
vlan 303
  vn-segment 4000303
vlan 350
  name L3-VNI
  vn-segment 4000999
```

```
vlan 2001
  vn-segment 4000502

vrf context L3VNI4000999
  vni 4000999
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_1
  vni 4000501
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vrf context vrf_2
  vni 4000502
  rd auto
  address-family ipv4 unicast
    route-target both auto
    route-target both auto evpn

vpc domain 100
  peer-switch
  peer-keepalive destination 10.197.214.64
  virtual peer-link destination 10.103.1.10 source 10.103.1.6 dscp 56
  delay restore 150
  peer-gateway
  ip arp synchronize




interface Vlan100
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.100.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan200
  no shutdown
  mtu 9216
  vrf member vrf_2
  no ip redirects
  ip address 192.168.200.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan301
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.11.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway
```

```
interface Vlan302
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.12.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan303
  no shutdown
  mtu 9216
  vrf member vrf_1
  no ip redirects
  ip address 172.16.13.254/24
  no ipv6 redirects
  fabric forwarding mode anycast-gateway

interface Vlan2001
  no shutdown
  mtu 9000
  vrf member vrf_2
  no ip redirects
  ip forward
  ipv6 address use-link-local-only
  no ipv6 redirects

interface port-channel10
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-500
  spanning-tree port type network
  vpc peer-link

interface port-channel100
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  vpc 100

interface nve1
  no shutdown
  host-reachability protocol bgp
  advertise virtual-rmac
  source-interface loopback1
  member vni 4000100
    suppress-arp
    mcast-group 231.0.0.1
  member vni 4000200
    suppress-arp
    mcast-group 231.0.0.2
  member vni 4000502 associate-vrf

interface Ethernet1/2
  mtu 9216
  port-type fabric
  medium p2p
  ip address 192.168.3.12/24
  ip ospf network point-to-point
  ip router ospf 100 area 0.0.0.0
```

```
  ip pim sparse-mode
  no shutdown

interface Ethernet1/23
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  channel-group 100
  no shutdown

interface Ethernet1/24
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 100,200,300-305
  mtu 9216
  channel-group 100
  no shutdown

interface loopback0
  ip address 10.103.0.10/32
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface loopback1
  ip address 10.103.1.6/32
  ip address 10.103.202.202/32 secondary
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode
icam monitor scale

router ospf 100
  router-id 10.102.0.10
router bgp 200
  router-id 10.102.0.10
  log-neighbor-changes
  address-family l2vpn evpn
    advertise-pip
  neighbor 10.103.0.2
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
    address-family ipv4 mvpn
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
  neighbor 10.103.0.3
    remote-as 200
    update-source loopback0
    address-family ipv4 unicast
    address-family ipv6 unicast
      send-community
      send-community extended
    address-family l2vpn evpn
      send-community
      send-community extended
evpn
  vni 4000100 l2
    rd auto
```

```
    route-target import auto
    route-target export auto
  vni 4000200 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000301 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000302 l2
    rd auto
    route-target import auto
    route-target export auto
  vni 4000303 l2
    rd auto
    route-target import auto
    route-target export auto
S2-Leaf4#
```

Verificar

Use esta seção para confirmar se a sua configuração funciona corretamente.

O Cisco CLI Analyzer (somente clientes registrados) suporta determinados **show** comandos. Use o Cisco CLI Analyzer para visualizar uma análise de **show** Saída do comando.

<#root>

```
Host2#
```

show ip int brief

```
IP Interface Status for VRF "default"(1)
Interface            IP Address      Interface Status
Vlan100              192.168.100.102 protocol-up/link-up/admin-up
Vlan200              192.168.200.102 protocol-up/link-up/admin-up
Lo100                10.2.3.4         protocol-up/link-up/admin-up
Host2#
Host2#
```

<#root>

```
Host2#
```

ping 192.168.200.103

```
PING 192.168.200.103 (192.168.200.103): 56 data bytes
64 bytes from 192.168.200.103: icmp_seq=0 ttl=254 time=1.21 ms
64 bytes from 192.168.200.103: icmp_seq=1 ttl=254 time=0.627 ms
64 bytes from 192.168.200.103: icmp_seq=2 ttl=254 time=0.74 ms
64 bytes from 192.168.200.103: icmp_seq=3 ttl=254 time=0.737 ms
64 bytes from 192.168.200.103: icmp_seq=4 ttl=254 time=0.542 ms
--- 192.168.200.103 ping statistics ---
5 packets transmitted, 5 packets received, 0.00% packet loss
```

```
round-trip min/avg/max = 0.542/0.771/1.21 ms
Host2#
Host2#
Host2#
```

ping 192.168.100.103

```
PING 192.168.100.103 (192.168.100.103): 56 data bytes
64 bytes from 192.168.100.103: icmp_seq=0 ttl=254 time=1.195 ms
64 bytes from 192.168.100.103: icmp_seq=1 ttl=254 time=0.613 ms
64 bytes from 192.168.100.103: icmp_seq=2 ttl=254 time=0.575 ms
64 bytes from 192.168.100.103: icmp_seq=3 ttl=254 time=0.522 ms
64 bytes from 192.168.100.103: icmp_seq=4 ttl=254 time=0.534 ms
--- 192.168.100.103 ping statistics ---
5 packets transmitted, 5 packets received, 0.00% packet loss
round-trip min/avg/max = 0.522/0.687/1.195 ms
Host2#
Host2#
Host2#
```

ping 192.168.100.100

```
PING 192.168.100.100 (192.168.100.100): 56 data bytes
64 bytes from 192.168.100.100: icmp_seq=0 ttl=254 time=1.029 ms
64 bytes from 192.168.100.100: icmp_seq=1 ttl=254 time=0.561 ms
64 bytes from 192.168.100.100: icmp_seq=2 ttl=254 time=0.579 ms
64 bytes from 192.168.100.100: icmp_seq=3 ttl=254 time=0.511 ms
64 bytes from 192.168.100.100: icmp_seq=4 ttl=254 time=0.496 ms
--- 192.168.100.100 ping statistics ---
5 packets transmitted, 5 packets received, 0.00% packet loss
round-trip min/avg/max = 0.496/0.635/1.029 ms
Host2#
Host2#
Host2#
```

ping 192.168.200.100

```
PING 192.168.200.100 (192.168.200.100): 56 data bytes
64 bytes from 192.168.200.100: icmp_seq=0 ttl=254 time=1.263 ms
64 bytes from 192.168.200.100: icmp_seq=1 ttl=254 time=0.816 ms
64 bytes from 192.168.200.100: icmp_seq=2 ttl=254 time=0.735 ms
64 bytes from 192.168.200.100: icmp_seq=3 ttl=254 time=0.659 ms
64 bytes from 192.168.200.100: icmp_seq=4 ttl=254 time=0.634 ms
--- 192.168.200.100 ping statistics ---
5 packets transmitted, 5 packets received, 0.00% packet loss
round-trip min/avg/max = 0.634/0.821/1.263 ms
Host2#
```

<#root>

```
HOST_3(config)#
HOST_3(config)#
```

ping 192.168.100.100

```
PING 192.168.100.100 (192.168.100.100): 56 data bytes
64 bytes from 192.168.100.100: icmp_seq=0 ttl=254 time=1.319 ms
64 bytes from 192.168.100.100: icmp_seq=1 ttl=254 time=0.77 ms
```

```
64 bytes from 192.168.100.100: icmp_seq=2 ttl=254 time=0.505 ms
64 bytes from 192.168.100.100: icmp_seq=3 ttl=254 time=0.542 ms
64 bytes from 192.168.100.100: icmp_seq=4 ttl=254 time=0.486 ms
--- 192.168.100.100 ping statistics ---
5 packets transmitted, 5 packets received, 0.00% packet loss
round-trip min/avg/max = 0.486/0.724/1.319 ms
HOST_3(config)#

HOST_3(config)#
```

ping 192.168.100.102

```
PING 192.168.100.102 (192.168.100.102): 56 data bytes
64 bytes from 192.168.100.102: icmp_seq=0 ttl=254 time=1.304 ms
64 bytes from 192.168.100.102: icmp_seq=1 ttl=254 time=0.853 ms
64 bytes from 192.168.100.102: icmp_seq=2 ttl=254 time=0.845 ms
64 bytes from 192.168.100.102: icmp_seq=3 ttl=254 time=0.564 ms
64 bytes from 192.168.100.102: icmp_seq=4 ttl=254 time=0.55 ms
--- 192.168.100.102 ping statistics ---
5 packets transmitted, 5 packets received, 0.00% packet loss
round-trip min/avg/max = 0.55/0.823/1.304 ms
HOST_3(config)#
HOST_3(config)#
HOST_3(config)#
```

ping 192.168.200.102

```
PING 192.168.200.102 (192.168.200.102): 56 data bytes
64 bytes from 192.168.200.102: icmp_seq=0 ttl=254 time=0.997 ms
64 bytes from 192.168.200.102: icmp_seq=1 ttl=254 time=0.766 ms
64 bytes from 192.168.200.102: icmp_seq=2 ttl=254 time=0.84 ms
64 bytes from 192.168.200.102: icmp_seq=3 ttl=254 time=0.734 ms
64 bytes from 192.168.200.102: icmp_seq=4 ttl=254 time=0.592 ms
--- 192.168.200.102 ping statistics ---
5 packets transmitted, 5 packets received, 0.00% packet loss
round-trip min/avg/max = 0.592/0.785/0.997 ms
HOST_3(config)#

HOST_3(config)#
```

ping 192.168.200.100

```
PING 192.168.200.100 (192.168.200.100): 56 data bytes
36 bytes from 192.168.200.103: Destination Host Unreachable
Request 0 timed out
64 bytes from 192.168.200.100: icmp_seq=1 ttl=254 time=1.376 ms
64 bytes from 192.168.200.100: icmp_seq=2 ttl=254 time=0.806 ms
64 bytes from 192.168.200.100: icmp_seq=3 ttl=254 time=0.77 ms
64 bytes from 192.168.200.100: icmp_seq=4 ttl=254 time=0.793 ms
--- 192.168.200.100 ping statistics ---
5 packets transmitted, 4 packets received, 20.00% packet loss
round-trip min/avg/max = 0.77/0.936/1.376 ms
HOST_3(config)#
```

Troubleshooting

Esta seção fornece informações que podem ser usadas para o troubleshooting da sua configuração.

O Cisco CLI Analyzer (somente clientes registrados) suporta determinados **show** comandos. Use o Cisco CLI Analyzer para visualizar uma análise de **show** Saída do comando.

<#root>

Host2#

show ip arp

```
Flags: * - Adjacencies learnt on non-active FHRP router
       + - Adjacencies synced via CFSoE
       # - Adjacencies Throttled for Glean
       CP - Added via L2RIB, Control plane Adjacencies
       PS - Added via L2RIB, Peer Sync
       RO - Re-Originated Peer Sync Entry
       D - Static Adjacencies attached to down interface
IP ARP Table for context default
Total number of entries: 8
Address         Age       MAC Address     Interface       Flags
192.168.100.100 00:06:52  6c8b.d3ff.00a7  Vlan100
192.168.100.103 00:07:54  6c8b.d3fe.ecb5  Vlan100
192.168.100.104 00:07:01  6c8b.d3fe.df3b  Vlan100
192.168.100.254 00:08:01  0000.1111.2222  Vlan100
192.168.200.100 00:14:46  6c8b.d3ff.00a7  Vlan200
192.168.200.103 00:07:07  6c8b.d3fe.ecb5  Vlan200
192.168.200.104 00:07:31  6c8b.d3fe.df3b  Vlan200
192.168.200.254 00:07:07  0000.1111.2222  Vlan200
Host2#
Host2#
```

show mac address-table

```
Legend:
        * - primary entry, G - Gateway MAC, (R) - Routed MAC, O - Overlay MAC
        age - seconds since last seen,+ - primary entry using vPC Peer-Link,
        (T) - True, (F) - False, C - ControlPlane MAC, ~ - vsan
   VLAN     MAC Address      Type      age     Secure NTFY Ports
---------+-----------------+--------+---------+------+----+------------------
*  100     0000.1111.2222   dynamic  0         F      F    Po2
*  100     6c8b.d3fe.df3b   dynamic  0         F      F    Po2
*  100     6c8b.d3fe.ecb5   dynamic  0         F      F    Po2
*  100     6c8b.d3ff.00a7   dynamic  0         F      F    Po2
*  200     0000.1111.2222   dynamic  0         F      F    Po2
*  200     6c8b.d3fe.df3b   dynamic  0         F      F    Po2
*  200     6c8b.d3fe.ecb5   dynamic  0         F      F    Po2
*  200     6c8b.d3ff.00a7   dynamic  0         F      F    Po2
G    -     6c8b.d3fe.ff09   static   -         F      F    sup-eth1(R)
G  100     6c8b.d3fe.ff09   static   -         F      F    sup-eth1(R)
G  200     6c8b.d3fe.ff09   static   -         F      F    sup-eth1(R)
Host2#
Host2#
```

<#root>

HOST_3(config)#

show ip arp

```
Flags: * - Adjacencies learnt on non-active FHRP router
       + - Adjacencies synced via CFSoE
       # - Adjacencies Throttled for Glean
       CP - Added via L2RIB, Control plane Adjacencies
       PS - Added via L2RIB, Peer Sync
       RO - Re-Originated Peer Sync Entry
       D - Static Adjacencies attached to down interface
IP ARP Table for context default
Total number of entries: 8
Address         Age       MAC Address     Interface       Flags
192.168.200.100 00:00:07  6c8b.d3ff.00a7  Vlan200
192.168.200.102 00:11:41  6c8b.d3fe.ff09  Vlan200
192.168.200.104 00:18:38  6c8b.d3fe.df3b  Vlan200
192.168.200.254 00:12:19  0000.1111.2222  Vlan200
192.168.100.100 00:07:16  6c8b.d3ff.00a7  Vlan100
192.168.100.102 00:11:51  6c8b.d3fe.ff09  Vlan100
192.168.100.104 00:15:06  6c8b.d3fe.df3b  Vlan100
192.168.100.254 00:11:37  0000.1111.2222  Vlan100
HOST_3(config)#
```

<#root>

S1-Leaf1#

show bgp l2vpn evpn

```
BGP routing table information for VRF default, address family L2VPN EVPN
BGP table version is 3291, Local Router ID is 10.102.0.5
Status: s-suppressed, x-deleted, S-stale, d-dampened, h-history, *-valid, >-best
Path type: i-internal, e-external, c-confed, l-local, a-aggregate, r-redist, I-injected
Origin codes: i - IGP, e - EGP, ? - incomplete, | - multipath, & - backup, 2 - best2
   Network            Next Hop            Metric     LocPrf     Weight Path
Route Distinguisher: 100:4000100
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.3aef]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0a3f]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.100.104]/272
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.100.103]/272
                      10.100.100.1                          100          0 300 200 i

Route Distinguisher: 100:4000200
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                      10.100.100.1                          100          0 300 200 i
```

```
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.3aef]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0a3f]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.200.104]/272
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.200.103]/272
                     10.100.100.1                          100          0 300 200

Route Distinguisher: 10.31.1.1:32867
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                     10.133.133.133                        100          0

Route Distinguisher: 10.31.1.1:32967
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                     10.133.133.133                        100          0 i

Route Distinguisher: 10.31.1.2:32867
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                     10.134.134.134                        100          0 i


Route Distinguisher: 10.31.1.2:32967
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                     10.134.134.134                        100          0 i

Route Distinguisher: 10.102.0.5:32867    (L2VNI 4000100)
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                     10.133.133.133                        100          0 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                     10.134.134.134                        100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.202.202.202                        100          0 i
*>i                  10.202.202.202                        100          0 i
*>l[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[0]:[0.0.0.0]/216
                     10.201.201.201                        100      32768 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.202.202.202                        100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.3aef]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0a3f]:[0]:[0.0.0.0]/216
                     10.100.100.1                          100          0 300 200 i
```

```
*>l[2]:[0]:[0]:[48]:[cc7f.76fa.0adb]:[0]:[0.0.0.0]/216
                     10.201.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.100.104]/272
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.100.103]/272
                     10.100.100.1                       100          0 300 200 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.100.102]/272
                     10.202.202.202                     100          0 i
*>i                   10.202.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.100.100]/272
                     10.201.201.201                     100      32768 i

Route Distinguisher: 10.102.0.5:32967    (L2VNI 4000200)
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                     10.133.133.133                     100          0 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                     10.134.134.134                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i

* i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i                   10.202.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[0]:[0.0.0.0]/216
                     10.201.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.3aef]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0a3f]:[0]:[0.0.0.0]/216
                     10.100.100.1                       100          0 300 200 i
*>l[2]:[0]:[0]:[48]:[cc7f.76fa.0adb]:[0]:[0.0.0.0]/216
                     10.201.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.200.104]/272
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.200.103]/272
                     10.100.100.1                       100          0 300 200 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.200.102]/272
                     10.202.202.202                     100          0 i
*>i                   10.202.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.200.100]/272
                     10.201.201.201                     100      32768 i

Route Distinguisher: 10.102.0.9:5
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[5]:[0]:[0]:[24]:[192.168.100.0]/224
                     10.102.1.10                        100          0 i
```

```
*>i[5]:[0]:[0]:[32]:[10.15.100.2]/224
                     10.102.1.10                        100          0 i

Route Distinguisher: 10.102.0.9:32867
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.100.102]/272
                     10.202.202.202                     100          0 i

Route Distinguisher: 10.102.0.9:32967
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.200.102]/272
                     10.202.202.202                     100          0 i

Route Distinguisher: 10.102.0.10:5
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[5]:[0]:[0]:[24]:[192.168.100.0]/224
                     10.102.1.6                         100          0 i
*>i[5]:[0]:[0]:[32]:[10.15.100.1]/224
                     10.102.1.6                         100          0 i

Route Distinguisher: 10.102.0.10:32867
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.100.102]/272
                     10.202.202.202                     100          0 i

Route Distinguisher: 10.102.0.10:32967
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.200.102]/272
                     10.202.202.202                     100          0 i

Route Distinguisher: 10.102.0.5:5    (L3VNI 4000502)
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[cc7f.76fa.0adb]:[0]:[0.0.0.0]/216
                     10.201.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.202.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.100.104]/272
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.200.104]/272
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.100.103]/272
                     10.100.100.1                       100          0 300 200 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.200.103]/272
                     10.100.100.1                       100          0 300 200 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.100.102]/272
                     10.202.202.202                     100          0 i
*>i                  10.202.202.202                     100          0 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.200.102]/272
```

```
                     10.202.202.202                    100          0 i
*>i                  10.202.202.202                    100          0 i
* i[5]:[0]:[0]:[24]:[192.168.100.0]/224
                     10.102.1.6                        100          0 i
*>i                  10.102.1.10                       100          0 i
*>i[5]:[0]:[0]:[32]:[10.15.100.1]/224
                     10.102.1.6                        100          0 i
*>i[5]:[0]:[0]:[32]:[10.15.100.2]/224
                     10.102.1.10                       100          0 i
S1-Leaf1#
```

<#root>

```
S1-Leaf1#
```

show vpc brief

```
Legend:
                (*) - local vPC is down, forwarding via vPC peer-link
vPC domain id                     : 100
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                          : secondary
Number of vPCs configured         : 1
Peer Gateway                      : Enabled
Dual-active excluded VLANs        : -
Graceful Consistency Check        : Enabled
Auto-recovery status              : Disabled
Delay-restore status              : Timer is off.(timeout = 150s)
Delay-restore SVI status          : Timer is off.(timeout = 10s)
Delay-restore Orphan-port status  : Timer is off.(timeout = 0s)
Operational Layer3 Peer-router    : Disabled
Virtual-peerlink mode             : Enabled

vPC Peer-link status
---------------------------------------------------------------------
id    Port   Status Active vlans
--    ----   ------ --------------------------------------------------
1     Po10   up     100,200,300-350,2001

vPC status
----------------------------------------------------------------------------
Id    Port          Status Consistency Reason                Active vlans
--    ------------  ------ ----------- ------                ---------------
100   Po100         up     success     success               100,200

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.
S1-Leaf1#
```

<#root>

```
S1-Leaf1#
S1-Leaf1#
```

show ip int brief

```
IP Interface Status for VRF "default"(1)
Interface            IP Address      Interface Status
Lo0                  10.102.0.5      protocol-up/link-up/admin-up
Lo1                  10.102.1.8      protocol-up/link-up/admin-up
Eth1/2               192.168.17.12   protocol-up/link-up/admin-up
S1-Leaf1#
```

<#root>

S2-Leaf1#

show bgp l2vpn evpn

```
BGP routing table information for VRF default, address family L2VPN EVPN
BGP table version is 4016, Local Router ID is 10.103.0.5
Status: s-suppressed, x-deleted, S-stale, d-dampened, h-history, *-valid, >-best
Path type: i-internal, e-external, c-confed, l-local, a-aggregate, r-redist, I-injected
Origin codes: i - IGP, e - EGP, ? - incomplete, | - multipath, & - backup, 2 - best2
   Network            Next Hop            Metric     LocPrf     Weight Path
Route Distinguisher: 200:4000100
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0907]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0adb]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.100.102]/272
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.100.100]/272
                      10.100.100.2                         100          0 300 100 i

Route Distinguisher: 200:4000200
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0907]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0adb]:[0]:[0.0.0.0]/216
                      10.100.100.2                         100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
```

```
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.200.102]/272
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.200.100]/272
                     10.100.100.2                       100          0 300 100 i

Route Distinguisher: 200:4000502
*>i[5]:[0]:[0]:[24]:[192.168.100.0]/224
                     10.100.100.2                       100          0 300 100 i
*>i[5]:[0]:[0]:[32]:[10.15.100.1]/224
                     10.100.100.2                       100          0 300 100 i
*>i[5]:[0]:[0]:[32]:[10.15.100.2]/224
                     10.100.100.2                       100          0 300 100 i

Route Distinguisher: 10.31.1.3:32867
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                     10.135.135.135                     100          0 i

Route Distinguisher: 10.31.1.3:32967
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                     10.135.135.135                     100          0 i

Route Distinguisher: 10.31.1.4:32867
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                     10.136.136.136                     100          0 i

Route Distinguisher: 10.31.1.4:32967
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                     10.136.136.136                     100          0 i

Route Distinguisher: 10.102.0.10:5
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i

Route Distinguisher: 10.102.0.10:32867
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.100.104]/272
                     10.103.202.202                     100          0 i

Route Distinguisher: 10.102.0.10:32967
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.200.104]/272
                     10.103.202.202                     100          0 i

Route Distinguisher: 10.103.0.5:32867    (L2VNI 4000100)
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                     10.136.136.136                     100          0 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                     10.135.135.135                     100          0 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i                  10.103.202.202                     100          0 i
```

```
*>l[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[0]:[0.0.0.0]/216
                     10.103.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0907]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>l[2]:[0]:[0]:[48]:[cc7f.76fa.0a3f]:[0]:[0.0.0.0]/216
                     10.103.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0adb]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.100.104]/272
                     10.103.202.202                     100          0 i
*>i                   10.103.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.100.103]/272
                     10.103.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.100.102]/272
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.100.100]/272
                     10.100.100.2                       100          0 300 100 i

Route Distinguisher: 10.103.0.5:32967    (L2VNI 4000200)
*>i[2]:[0]:[0]:[48]:[10b3.d5c7.9fbd]:[0]:[0.0.0.0]/216
                     10.136.136.136                     100          0 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.3785]:[0]:[0.0.0.0]/216
                     10.135.135.135                     100          0 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.383d]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[4ce1.75f7.38c7]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i                   10.103.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[0]:[0.0.0.0]/216
                     10.103.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76c6.a673]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                     10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0907]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>l[2]:[0]:[0]:[48]:[cc7f.76fa.0a3f]:[0]:[0.0.0.0]/216
                     10.103.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.0adb]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.118f]:[0]:[0.0.0.0]/216
                     10.100.100.2                       100          0 300 100 i
```

```
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.200.104]/272
                      10.103.202.202                     100          0 i
*>i                   10.103.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[6c8b.d3fe.ecb5]:[32]:[192.168.200.103]/272
                      10.103.201.201                     100      32768 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.200.102]/272
                      10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.200.100]/272
                      10.100.100.2                       100          0 300 100 i

Route Distinguisher: 10.103.0.9:5
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                      10.103.202.202                     100          0 i

Route Distinguisher: 10.103.0.9:32867
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                      10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                      10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.100.104]/272
                      10.103.202.202                     100          0 i

Route Distinguisher: 10.103.0.9:32967
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[0]:[0.0.0.0]/216
                      10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                      10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.200.104]/272
                      10.103.202.202                     100          0 i

Route Distinguisher: 10.103.0.5:5    (L3VNI 4000502)
*>i[2]:[0]:[0]:[48]:[cc7f.76d4.2ebf]:[0]:[0.0.0.0]/216
                      10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[cc7f.76fa.04c3]:[0]:[0.0.0.0]/216
                      10.103.202.202                     100          0 i
*>l[2]:[0]:[0]:[48]:[cc7f.76fa.0a3f]:[0]:[0.0.0.0]/216
                      10.103.201.201                     100      32768 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.100.104]/272
                      10.103.202.202                     100          0 i
*>i                   10.103.202.202                     100          0 i
* i[2]:[0]:[0]:[48]:[6c8b.d3fe.df3b]:[32]:[192.168.200.104]/272
                      10.103.202.202                     100          0 i
*>i                   10.103.202.202                     100          0 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.100.102]/272
                      10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3fe.ff09]:[32]:[192.168.200.102]/272
                      10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.100.100]/272
                      10.100.100.2                       100          0 300 100 i
*>i[2]:[0]:[0]:[48]:[6c8b.d3ff.00a7]:[32]:[192.168.200.100]/272
                      10.100.100.2                       100          0 300 100 i
*>i[5]:[0]:[0]:[24]:[192.168.100.0]/224
                      10.100.100.2                       100          0 300 100 i
*>i[5]:[0]:[0]:[32]:[10.15.100.1]/224
                      10.100.100.2                       100          0 300 100 i
*>i[5]:[0]:[0]:[32]:[10.15.100.2]/224
                      10.100.100.2                       100          0 300 100 i
S2-Leaf1#
```

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