Configuración de Nexus EVPN-VXLAN Multi-Site con Route Server

Contenido

Introducción

Este documento describe cómo configurar y verificar el entorno multisitio de VPN Ethernet/LAN extensible virtual (EVPN/VxLAN) en los switches Cisco Nexus 9000. Implica el análisis de fabric virtual en nodos de hojas de vPC.

Para la conectividad de sitio a sitio, se explica el concepto de servidor de ruta.

Prerequisites

Requirements

Cisco recomienda que tenga conocimiento sobre estos temas:

- VPN de capa 3 de switching de etiquetas multiprotocolo (MPLS)
- Protocolo de gateway fronterizo multiprotocolo (MP-BGP)
- EVPN

Componentes Utilizados

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

Todos los folletos del sitio	N9K-C9336C-FX2	NXOS: 10.2(3)
S1_Columna1	N9K-C936C	NXOS: 10.2(4)
S1_Columna2	N9K-C936C	NXOS 9.3(5)
S1_Puerta de enlace de frontera1, S2_Puerta de enlace de frontera2, S2_Puerta de enlace de frontera1	N9K-C9332C	NXOS: 9.3(9)
S1_Puerta de enlace de frontera2	N9K-C9332C	NXOS: 10.2(4)
Servidor de ruta	N9K-C9396PX	NXOS: 9.2(2)
Host 1	N3K-C3264C-E	NXOS: 9.3(5)
Host 2 y Host 3	N3K-C3264C-E	NXOS: 9.2(2)

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si tiene una red en vivo, asegúrese de entender el posible impacto de cualquier comando.

Antecedentes

El Data Center es un conjunto de recursos que contiene la potencia informática, el almacenamiento y las aplicaciones necesarias para admitir cualquier entorno empresarial. Es vital que el diseño de la infraestructura del Data Center esté correctamente planificado. En este documento se tratan los requisitos fundamentales, como las redes hospitalarias, y cómo cumplirlos o superarlos. Las implementaciones de Data Centers e infraestructuras de TI modernas necesitan alta disponibilidad (HA), capacidad de ampliación a un ritmo más rápido y alto rendimiento en todo momento.

Algunos de los requisitos vitales explorados en el espacio de diseño/arquitectura del DC incluyen:

- Fabric Extender (FEX) mejora la densidad de puertos.

- La capacidad informática se mejora gracias a la virtualización del hardware (UCS).
- El canal de puerto mejora el ancho de banda del enlace ascendente de la capa de acceso.
- vPC mejora la redundancia a nivel de chasis.
- El fabric de redes definidas por software (SDN) mejora gracias a la infraestructura centrada en aplicaciones (ACI), que automatiza la superposición y la superposición en un fabric.
- Data Center Network Manager (DCNM) mejora la rápida implementación y compatibilidad de nuevos servicios.
- El requisito de ancho de banda para las aplicaciones de largo recorrido se mejora mediante el servicio de fibra oscura o longitud de onda.
- Por encima de todo, la redundancia geográfica y la escalabilidad son atributos clave para ampliar el entorno del Data Center. Multi-Site VxLAN/EVPN nos ayuda a tener mejores soluciones de Data Center Interconnect (DCI).

¿En qué ayuda Multi-Site?

La conectividad externa incluye la conexión del Data Center al resto de la red: a Internet, la WAN o el campus. Todas las opciones proporcionadas para la conectividad externa son compatibles con varios arrendatarios y se centran en el transporte de capa 3 (L3) a los dominios de red externos.

- EVPN es una solución de VPN todo en uno de próxima generación.
- No solo hace el trabajo de muchas otras tecnologías VPN, sino que es mejor también.
- Integración con redes heredadas.
- Anuncio/extensión selectiva:
  ◦ Amplíe la única capa 2 (L2): VLAN/subredes específicas que se pueden ampliar con rutas de tipo 2.
  ◦ Amplíe el único L3: los dominios L3 específicos se pueden ampliar con rutas de tipo 5.
- Detección automática del grupo de redundancia con rutas de tipo 4.
- Alias, extracción masiva de direcciones, indicación de Multi Homing (MH) de Split Horizon (SH) con rutas de tipo 1.
- Detección automática de terminales de túnel multidifusión y tipo de túnel multidifusión (MCAST) con rutas de tipo 3.

Otras ventajas

- Equilibrio de cargas de trabajo entre Data Centers y nubes.
- Respuesta proactiva a las interrupciones: mitiga los riesgos de desastres próximos, como huracanes e inundaciones.
- Migraciones y mantenimiento del Data Center: eventos planificados durante un período de tiempo e integración con redes heredadas.
- Backup y recuperación ante desastres como servicio (aaS).

Configurar

Diagrama de la red
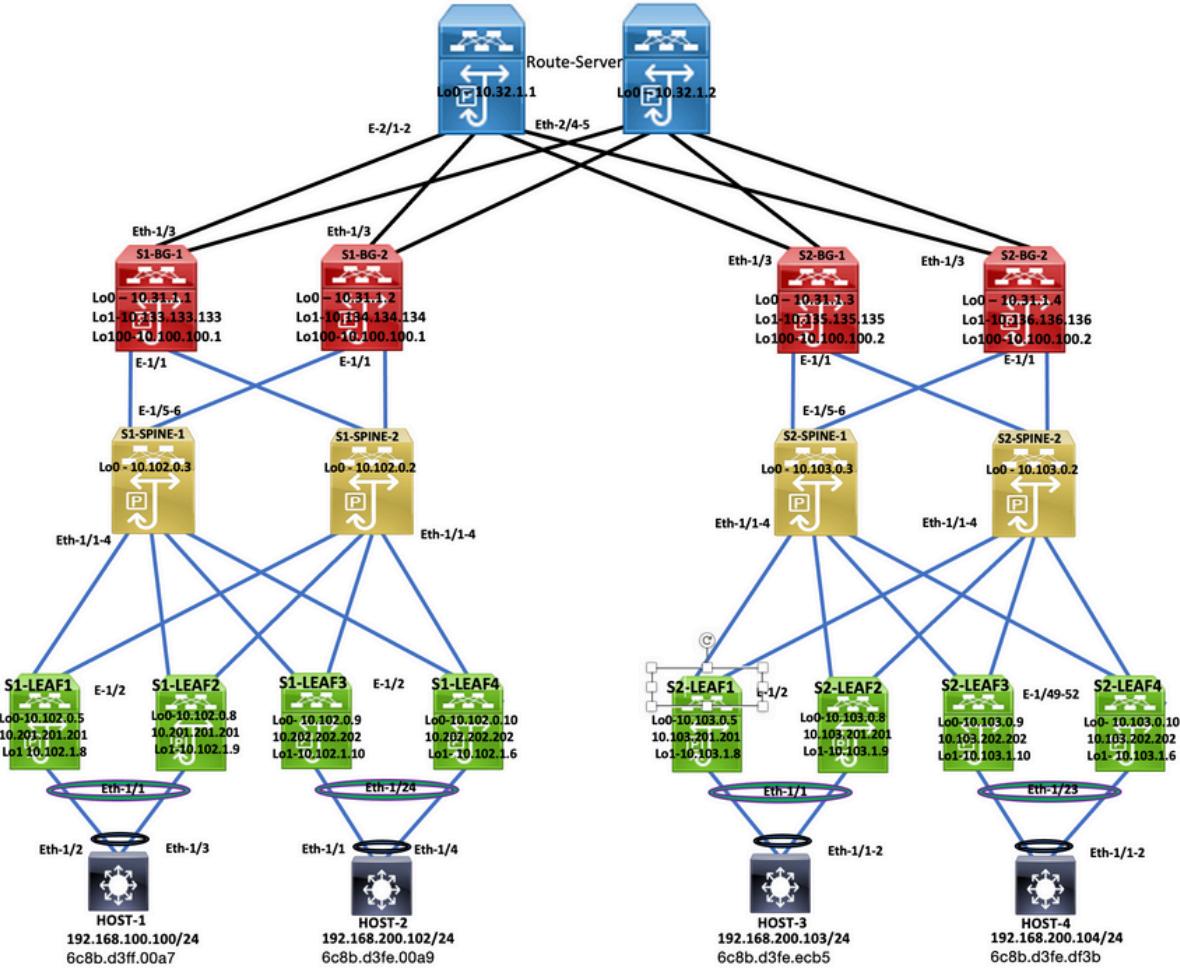
Topología

Configuración de hoja 1 del sitio 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
```

Configuración de la hoja 2 del sitio 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
```

Configuración de la hoja 3 del sitio 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
```

Configuración de la hoja 4 del sitio 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
```

Configuración de Spine-1 del Sitio 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
```

Configuración de la puerta de enlace fronteriza del sitio 1-1

```
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
```

Configuración de la puerta de enlace fronteriza del sitio 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 del router

```
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#
```

Configuración de Site 2 Border Gateway-1

```
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
```

Configuración de Site 2 Border Gateway-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#
```

Configuración de Spine-1 del Sitio 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#
```

Configuración de la hoja 1 del sitio 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
```

Configuración de hoja 2 del sitio 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#
```

Configuración de la hoja 3 del sitio 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
```

Configuración de la hoja 4 del sitio 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#
```

Verificación

Use esta sección para confirmar que su configuración funciona correctamente.

[Cisco CLI Analyzer](#) (sólo para clientes registrados) admite determinados show comandos. Utilice Cisco CLI Analyzer para ver un análisis de show resultado del 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)#
```

Troubleshoot

En esta sección encontrará información que puede utilizar para solucionar problemas de configuración.

Cisco CLI Analyzer (sólo para clientes registrados) admite determinados show comandos. Utilice Cisco CLI Analyzer para ver un análisis de show resultado del 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#
```