硬件更新：更换Nexus交换机（VXLAN技术）

目录

简介

本文档介绍更换运行虚拟可扩展局域网(VXLAN)的Nexus交换机的过程。

先决条件

要求

Cisco 建议您了解以下主题：

- Cisco Nexus操作系统(NX-OS)
- VXLAN

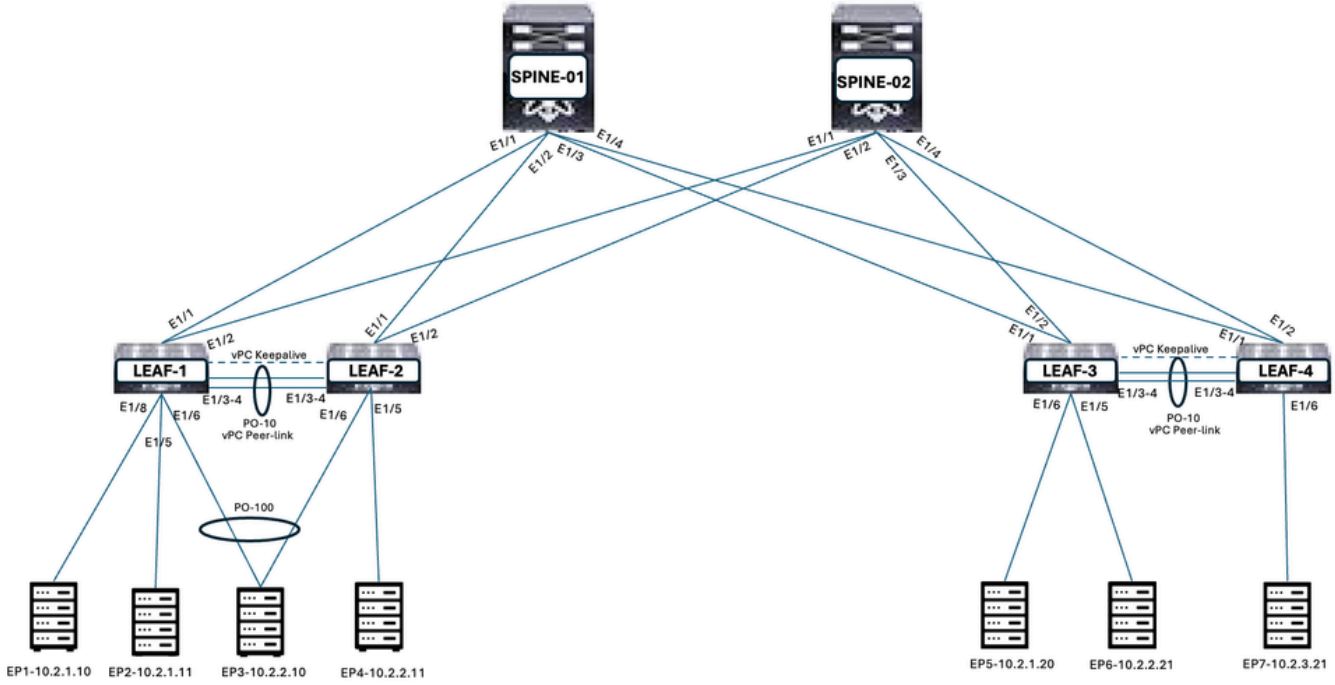
使用的组件

本文档中的信息基于Nexus 9000交换机。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

VXLAN枝叶 — 主干架构

图1. VXLAN枝叶 — 主干拓扑



VXLAN枝叶 — 主干架构亮点

- LEAF-1和LEAF-2是虚拟端口通道(vPC)对等体。LEAF-3和LEAF-4是vPC对等体。
- 任播网关在LEAF-1、LEAF-2、LEAF-3和LEAF-4上配置用于VLAN101、VLAN102和VLAN103。
- 在枝叶和主干之间配置的点对点IP地址。
- Loopback0主要IP地址用于枝叶单个节点VXLAN隧道终端(vTEP)。
- Loopback0辅助IP地址在vPC枝叶成员之间作为任播vTEP(vip)共享。
- 在枝叶和主干之间使用Underlay的开放最短路径优先(OSPF)路由协议。Loopback0通过OSPF从枝叶和主干通告。
- 在枝叶和主干之间使用边界网关协议(BGP)L2VPN进行重叠。BGP L2VPN EVPN对等建立在Loopback0上。
- VLAN101、VLAN102和VLAN103子网会通告到枝叶和主干。

表1.枝叶环回IP地址

主干/枝叶主机名	Loopback0主IP	Loopback0辅助IP(vip)
SPINE-1	10.7.1.1/32	
SPINE-2	10.7.1.2/32	
枝叶–1	10.5.1.1/32	10.0.1.72/32
枝叶–2	10.5.1.2/32	10.0.1.72/32

枝叶–3	10.6.1.1/32	10.0.2.72/32
枝叶–4	10.6.1.2/32	10.0.2.72/32

从枝叶和主干验证路由

图2.检验枝叶交换机上的路由。

```
LEAF-1(config)# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ------------------------------------ ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 HMM    L,
        0          Local
101         5254.0007.0bd9 10.2.1.11                                 HMM    L,
        0          Local
101         5254.0004.83dd 10.2.1.20                                 BGP    --
        0          10.0.2.72 (Label: 10101)
102         5202.fcc4.1b08 10.2.2.10                                 HMM    L,
        0          Local
102         5254.0019.4de7 10.2.2.11                                 HMM    L,
        0          Local
102         5254.0004.e203 10.2.2.21                                 BGP    --
        0          10.0.2.72 (Label: 10102)
103         5254.0011.3730 10.2.3.21                                 BGP    --
        0          10.0.2.72 (Label: 10103)
```

```
LEAF-2(config)# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ----------------------------------------- ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 HMM    L,
        0          Local
101         5254.0007.0bd9 10.2.1.11                                 HMM    L,
        0          Local
101         5254.0004.83dd 10.2.1.20                                 BGP    --
        0          10.0.2.72 (Label: 10101)
102         5202.fcc4.1b08 10.2.2.10                                 HMM    L,
        0          Local
102         5254.0019.4de7 10.2.2.11                                 HMM    L,
        0          Local
102         5254.0004.e203 10.2.2.21                                 BGP    --
        0          10.0.2.72 (Label: 10102)
103         5254.0011.3730 10.2.3.21                                 BGP    --
        0          10.0.2.72 (Label: 10103)
```

```
LEAF-3(config-if)# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ----------------------------------------- ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0007.0bd9 10.2.1.11                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0004.83dd 10.2.1.20                                 HMM    L,
        0          Local
102         5202.fcc4.1b08 10.2.2.10                                 BGP    --
        0          10.0.1.72 (Label: 10102)
102         5254.0019.4de7 10.2.2.11                                 BGP    --
        0          10.0.1.72 (Label: 10102)
102         5254.0004.e203 10.2.2.21                                 HMM    L,
        0          Local
103         5254.0011.3730 10.2.3.21                                 HMM    L,
        0          Local
```

```
LEAF-4# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ------------------------------------ ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0007.0bd9 10.2.1.11                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0004.83dd 10.2.1.20                                 HMM    L,
        0          Local
102         5202.fcc4.1b08 10.2.2.10                                 BGP    --
        0          10.0.1.72 (Label: 10102)
102         5254.0019.4de7 10.2.2.11                                 BGP    --
        0          10.0.1.72 (Label: 10102)
102         5254.0004.e203 10.2.2.21                                 HMM    L,
        0          Local
103         5254.0011.3730 10.2.3.21                                 HMM    L,
        0          Local
```

图3.检验主干交换机上的路由（两台主干交换机上的路由保持不变）。

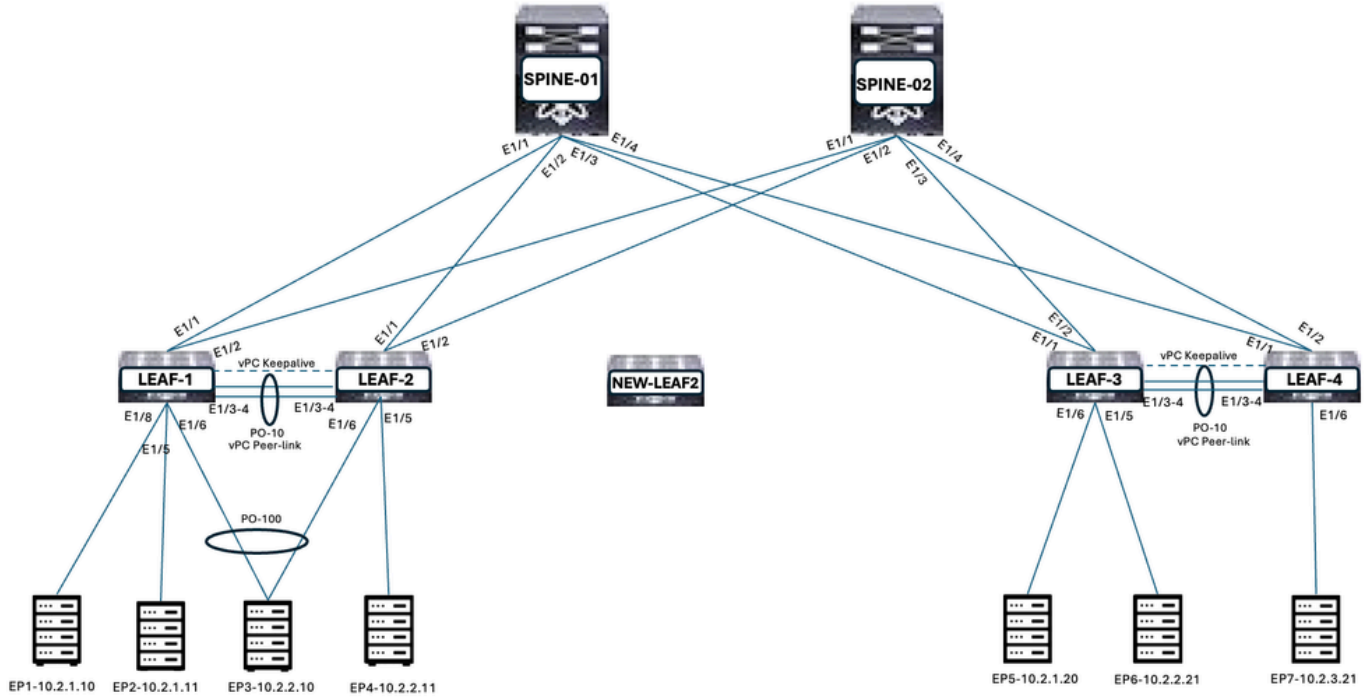
```
SPINE-1# show bgp l2vpn evpn
BGP routing table information for VRF default, address family L2VPN EVPN
BGP table version is 162, Local Router ID is 10.7.1.1
Status: s-suppressed, x-deleted, S-stale, d-dampened, h-history, *-valid, >-best
Path type: i-internal, e-external, c-confed, l-local, a-aggregate, r-redist, I-i
njected
Origin codes: i - IGP, e - EGP, ? - incomplete, | - multipath, & - backup, 2 - b
est2
Route Distinguisher: 10.5.1.1:32868
*>i[2]:[0]:[0]:[48]:[5254.0003.af2a]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0007.0bd9]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0003.af2a]:[32]:[10.2.1.10]/272
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0007.0bd9]:[32]:[10.2.1.11]/272
                     10.0.1.72                              100          0 i

Route Distinguisher: 10.5.1.1:32869
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0019.4de7]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[32]:[10.2.2.10]/272
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0019.4de7]:[32]:[10.2.2.11]/272
                     10.0.1.72                              100          0 i
Route Distinguisher: 10.5.1.2:32868
*>i[2]:[0]:[0]:[48]:[5254.0003.af2a]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0007.0bd9]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0003.af2a]:[32]:[10.2.1.10]/272
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0007.0bd9]:[32]:[10.2.1.11]/272
                     10.0.1.72                              100          0 i

Route Distinguisher: 10.5.1.2:32869
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0019.4de7]:[0]:[0.0.0.0]/216
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[32]:[10.2.2.10]/272
                     10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0019.4de7]:[32]:[10.2.2.11]/272
                     10.0.1.72                              100          0 i
 Route Distinguisher: 10.6.1.1:32868
 *>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[0]:[0.0.0.0]/216
                      10.0.2.72                             100          0 i
 *>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[32]:[10.2.1.20]/272
                      10.0.2.72                             100          0 i

 Route Distinguisher: 10.6.1.1:32869
 *>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[0]:[0.0.0.0]/216
                      10.0.2.72                             100          0 i
 *>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[32]:[10.2.2.21]/272
                      10.0.2.72                             100          0 i

 Route Distinguisher: 10.6.1.1:32870
 *>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[0]:[0.0.0.0]/216
                      10.0.2.72                             100          0 i
 *>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[32]:[10.2.3.21]/272
                      10.0.2.72                             100          0 i

 Route Distinguisher: 10.6.1.2:3
 *>i[5]:[0]:[0]:[24]:[10.2.1.0]/224
                      10.0.2.72                0            100          0 ?
 *>i[5]:[0]:[0]:[24]:[10.2.2.0]/224
                      10.0.2.72                0            100          0 ?
 *>i[5]:[0]:[0]:[24]:[10.2.3.0]/224
                      10.0.2.72                0            100          0 ?

 Route Distinguisher: 10.6.1.2:32868
 *>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[0]:[0.0.0.0]/216
                      10.0.2.72                             100          0 i
 *>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[32]:[10.2.1.20]/272
                      10.0.2.72                             100          0 i

 Route Distinguisher: 10.6.1.2:32869
 *>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[0]:[0.0.0.0]/216
                      10.0.2.72                             100          0 i
 *>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[32]:[10.2.2.21]/272
                      10.0.2.72                             100          0 i

 Route Distinguisher: 10.6.1.2:32870
 *>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[0]:[0.0.0.0]/216
                      10.0.2.72                             100          0 i
 *>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[32]:[10.2.3.21]/272
                      10.0.2.72                             100          0 i
```

Nexus交换机硬件更新步骤

步骤1.将配置从LEAF-2复制到NEW-LEAF2

将配置从LEAF-2复制到NEW-LEAF2。关闭NEW-LEAF2上的所有接口。

图4.配置NEW-LEAF2



步骤2.通过关闭所有接口隔离vPC辅助交换机（LEAF-2是vPC辅助交换机）

关闭辅助交换机接口的顺序：

- 关闭vPC成员端口和孤立端口
- 关闭指向主干的上行链路
- 关闭vPC keepalive链路
- 关闭vPC对等链路

图5.隔离vPC辅助交换机

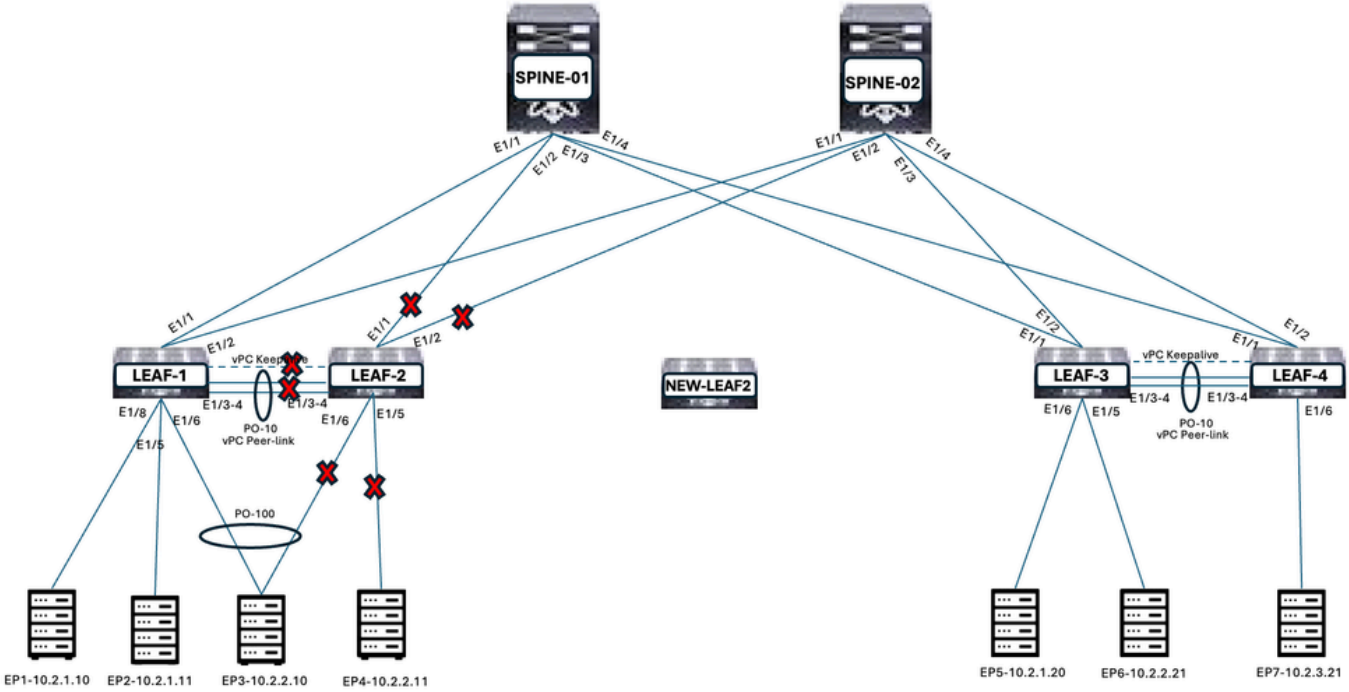


图6.关闭辅助交换机上的接口

```
LEAF-2(config)# int eth1/5-6
LEAF-2(config-if-range)# shutdown
LEAF-2(config-if-range)#
LEAF-2(config-if-range)# int eth1/1-2
LEAF-2(config-if-range)# shutdown
LEAF-2(config-if-range)#
LEAF-2(config-if-range)# int mgmt 0
LEAF-2(config-if)# shutdown
Shutting down this interface will drop all telnet and SSH sessions. Do you wish to continue(y/n)? [no] y
LEAF-2(config-if)# int eth1/3-4
LEAF-2(config-if-range)# shutdown
```

步骤3.检验NEW-LEAF2上的vPC粘滞位

粘滞位必须为“False”。 如果为“True”，则将vPC优先级增加到高于上一个值的值。如果粘滞位状态未更改为“False”，请重新加载枝叶。 NEW-LEAF2配置了vPC自动恢复，因此它是vPC主交换机。它不会与LEAF-1形成任何vPC对等，因为对等链路和对等保持连接已关闭。

图7. NEW-LEAF2是vPC主设备

```
NEW-LEAF2(config-vpc-domain)# sh vpc role

vPC Role status
----------------------------------------------------
vPC role                        : primary
Dual Active Detection Status    : 0
vPC system-mac                  : 00:23:04:ee:be:0a
vPC system-priority             : 32667
vPC local system-mac            : 52:0a:4c:cd:1b:08
vPC local role-priority         : 0
vPC local config role-priority  : 200
vPC peer system-mac             : 00:00:00:00:00:00
vPC peer role-priority          : 0
vPC peer config role-priority   : 0
NEW-LEAF2(config-vpc-domain)# exit
NEW-LEAF2(config)#
NEW-LEAF2(config)#
NEW-LEAF2(config)#
NEW-LEAF2(config)# show system internal vpcm info global | i i sticky
        OOB Peer Version: 0     OOB peer was alive: FALSE       Sticky Master: T
RUE
```

步骤4.从NEW-LEAF2的Loopback0删除辅助IP地址

此步骤旨在确保在链路启动后，孤立端口上连接的终端的路由将从NEW-LEAF2发送到枝叶和主干。

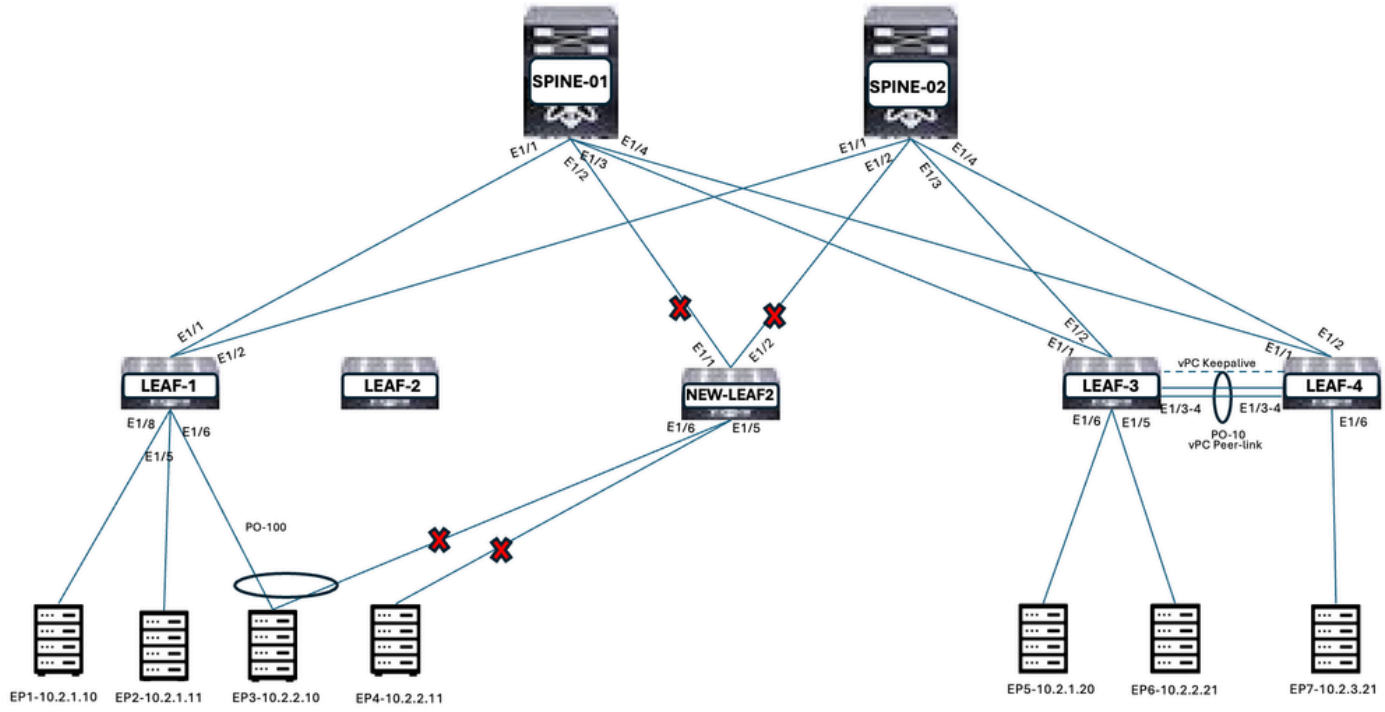
图8.从Loopback0删除辅助IP地址

```
interface loopback0
  ip address 10.5.1.2/32
  ip address 10.0.1.72/32 secondary
  ip router ospf UNDERLAY area 0.0.0.0
  ip pim sparse-mode

NEW-LEAF2(config-if)# int loopback 0
NEW-LEAF2(config-if)# no ip address 10.0.1.72/32 secondary
```

步骤5.将电缆连接到NEW-LEAF2

完成从NEW-LEAF2到主干和终端的电缆连接。

图9.将电缆连接到NEW-LEAF2



步骤6.在NEW-LEAF2上取消关闭上行链路端口和孤立端口

在NEW-LEAF2上取消关闭上行链路端口和孤立端口。要保持关闭vPC保持连接、vPC对等链路和vPC成员。

此步骤确保孤立端口的路由通过NEW-LEAF2发送到主干和其他枝叶。vPC成员端口的路由仅通过LEAF-1发送。

图10.在NEW-LEAF2上取消关闭孤立端口和上行链路端口

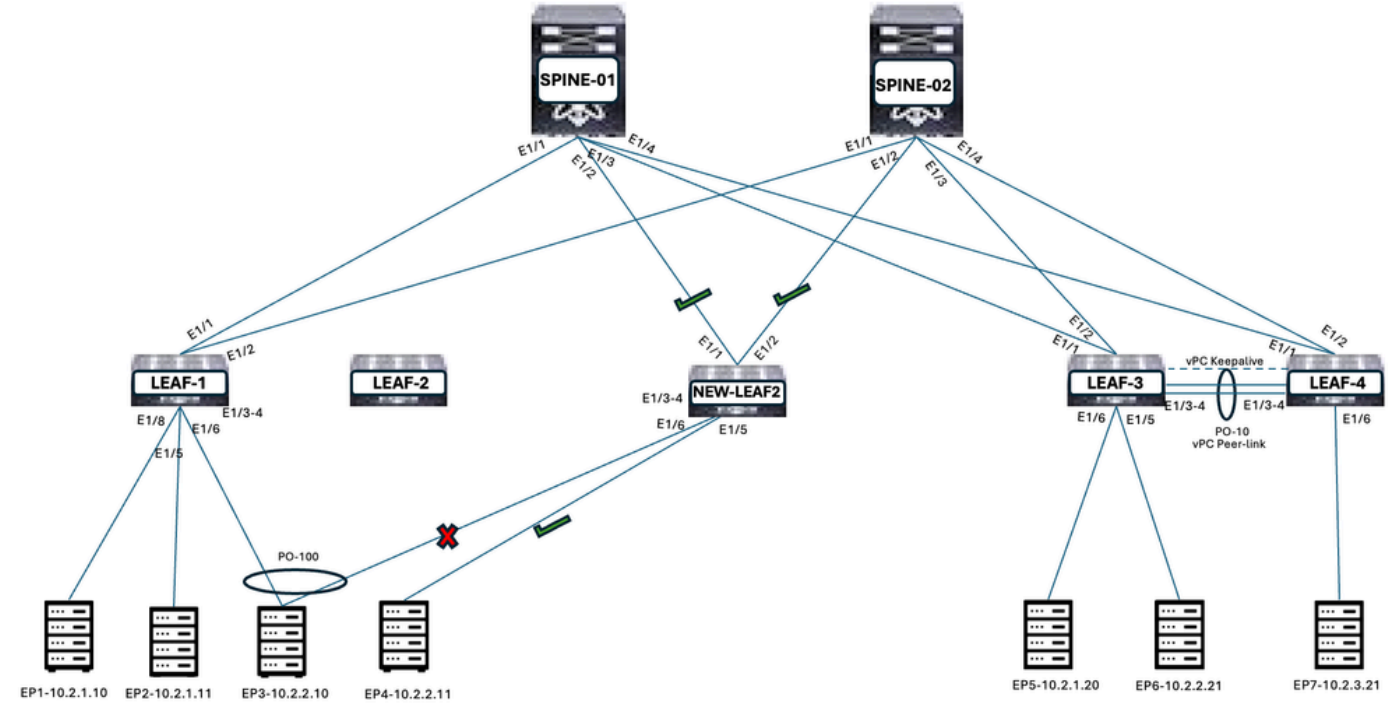


图11. NEW-LEAF2上“unshut the interfaces”的输出

```
NEW-LEAF2(config)# int eth1/1-2
NEW-LEAF2(config-if-range)# no shutdown
NEW-LEAF2(config-if-range)#
NEW-LEAF2(config-if-range)# int eth1/5-6
NEW-LEAF2(config-if-range)# no shutdown
```

步骤7.检验从孤立端口的NEW-LEAF2收到的主干和其他枝叶中的路由

孤立端口的NEW-LEAF2路由会通告给主干和其他枝叶。NEW-LEAF2 Loopback0主IP地址是路由的下一跳地址。

图12.检验枝叶上的路由

```
NEW-LEAF2(config-vrf)# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ------------------------------------ ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0007.0bd9 10.2.1.11                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0004.83dd 10.2.1.20                                 BGP    --
        0          10.0.2.72 (Label: 10101)
102         5202.fcc4.1b08 10.2.2.10                                 BGP    --
        0          10.0.1.72 (Label: 10102)
102         5254.0019.4de7 10.2.2.11                                 HMM    L,
        0          Local
102         5254.0004.e203 10.2.2.21                                 BGP    --
        0          10.0.2.72 (Label: 10102)
103         5254.0011.3730 10.2.3.21                                 BGP    --
        0          10.0.2.72 (Label: 10103)
```

```
LEAF-1(config)# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ----------------------------------------- ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 HMM    L,
        0          Local
101         5254.0007.0bd9 10.2.1.11                                 HMM    L,
        0          Local
101         5254.0004.83dd 10.2.1.20                                 BGP    --
        0          10.0.2.72 (Label: 10101)
102         5202.fcc4.1b08 10.2.2.10                                 HMM    L,
        0          Local
102         5254.0019.4de7 10.2.2.11                                 BGP    --
        0          10.5.1.2 (Label: 10102)
102         5254.0004.e203 10.2.2.21                                 BGP    --
        0          10.0.2.72 (Label: 10102)
103         5254.0011.3730 10.2.3.21                                 BGP    --
        0          10.0.2.72 (Label: 10103)
```

```
LEAF-3(config-if)# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ----------------------------------------- ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0007.0bd9 10.2.1.11                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0004.83dd 10.2.1.20                                 HMM    L,
        0          Local
102         5202.fcc4.1b08 10.2.2.10                                 BGP    --
        0          10.0.1.72 (Label: 10102)
102         5254.0019.4de7 10.2.2.11                                 BGP    --
        0          10.5.1.2 (Label: 10102)
102         5254.0004.e203 10.2.2.21                                 HMM    L,
        0          Local
103         5254.0011.3730 10.2.3.21                                 HMM    L,
        0          Local
```

```
LEAF-4# show l2route evpn mac-ip all
Flags -(Rmac):Router MAC (Stt):Static (L):Local (R):Remote (V):vPC link
(Dup):Duplicate (Spl):Split (Rcv):Recv(D):Del Pending (S):Stale (C):Clear
(Ps):Peer Sync (Ro):Re-Originated (Orp):Orphan
Topology    Mac Address    Host IP                                   Prod   Flags
        Seq No     Next-Hops
----------- -------------- ------------------------------------ ------ ------
---- ---------- ------------------------------------
101         5254.0003.af2a 10.2.1.10                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0007.0bd9 10.2.1.11                                 BGP    --
        0          10.0.1.72 (Label: 10101)
101         5254.0004.83dd 10.2.1.20                                 HMM    L,
        0          Local
102         5202.fcc4.1b08 10.2.2.10                                 BGP    --
        0          10.0.1.72 (Label: 10102)
102         5254.0019.4de7 10.2.2.11                                 BGP    --
        0          10.5.1.2 (Label: 10102)
102         5254.0004.e203 10.2.2.21                                 HMM    L,
        0          Local
103         5254.0011.3730 10.2.3.21                                 HMM    L,
        0          Local
```

图13.检验主干上的路由。在两个脊柱上保持不变。

```
SPINE-1# sh bgp l2vpn evpn
BGP routing table information for VRF default, address family L2VPN EVPN
BGP table version is 216, Local Router ID is 10.7.1.1
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-i
njected
Origin codes: i - IGP, e - EGP, ? - incomplete, | - multipath, & - backup, 2 - b
est2
Route Distinguisher: 10.5.1.1:32869
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[0]:[0.0.0.0]/216
                      10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[32]:[10.2.2.10]/272
                      10.0.1.72                              100          0 i
Route Distinguisher: 10.5.1.1:32868
*>i[2]:[0]:[0]:[48]:[5254.0003.af2a]:[0]:[0.0.0.0]/216
                      10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0007.0bd9]:[0]:[0.0.0.0]/216
                      10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0003.af2a]:[32]:[10.2.1.10]/272
                      10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0007.0bd9]:[32]:[10.2.1.11]/272
                      10.0.1.72                              100          0 i

Route Distinguisher: 10.5.1.1:32869
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[0]:[0.0.0.0]/216
                      10.0.1.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5202.fcc4.1b08]:[32]:[10.2.2.10]/272
                      10.0.1.72                              100          0 i
Route Distinguisher: 10.5.1.2:32869
*>i[2]:[0]:[0]:[48]:[5254.0019.4de7]:[0]:[0.0.0.0]/216
                      10.5.1.2                               100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0019.4de7]:[32]:[10.2.2.11]/272
                      10.5.1.2                               100          0 i
Route Distinguisher: 10.6.1.1:32868
*>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[0]:[0.0.0.0]/216
                      10.0.2.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[32]:[10.2.1.20]/272
                      10.0.2.72                              100          0 i

Route Distinguisher: 10.6.1.1:32869
*>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[0]:[0.0.0.0]/216
                      10.0.2.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[32]:[10.2.2.21]/272
                      10.0.2.72                              100          0 i

Route Distinguisher: 10.6.1.1:32870
*>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[0]:[0.0.0.0]/216
                      10.0.2.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[32]:[10.2.3.21]/272
                      10.0.2.72                              100          0 i

Route Distinguisher: 10.6.1.2:3
*>i[5]:[0]:[0]:[24]:[10.2.1.0]/224
                      10.0.2.72                0             100          0 ?
*>i[5]:[0]:[0]:[24]:[10.2.2.0]/224
                      10.0.2.72                0             100          0 ?
*>i[5]:[0]:[0]:[24]:[10.2.3.0]/224
                      10.0.2.72                0             100          0 ?

Route Distinguisher: 10.6.1.2:32868
*>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[0]:[0.0.0.0]/216
                      10.0.2.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0004.83dd]:[32]:[10.2.1.20]/272
                      10.0.2.72                              100          0 i

Route Distinguisher: 10.6.1.2:32869
*>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[0]:[0.0.0.0]/216
                      10.0.2.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0004.e203]:[32]:[10.2.2.21]/272
                      10.0.2.72                              100          0 i

Route Distinguisher: 10.6.1.2:32870
*>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[0]:[0.0.0.0]/216
                      10.0.2.72                              100          0 i
*>i[2]:[0]:[0]:[48]:[5254.0011.3730]:[32]:[10.2.3.21]/272
                      10.0.2.72                              100          0 i
```

步骤8 LEAF-1和NEW-LEAF2之间的vPC保持关闭

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