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JN0-681

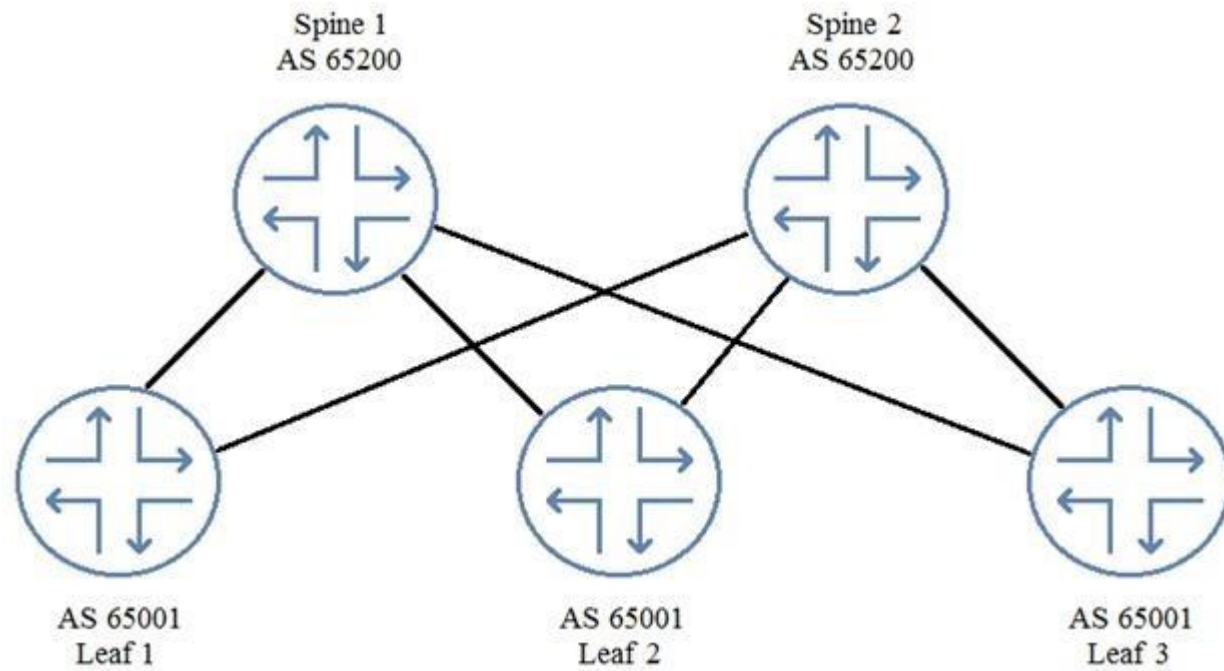
Data Center, Professional (JNCIP-DC)



Exam A

QUESTION 1

Referring to the exhibit, not all routes are being exchanged by EBGP peers.



In this scenario, which BGP parameter would solve this problem?

- A. multihop
- B. multipath
- C. multipath multiple-as
- D. as-override



Correct Answer: D

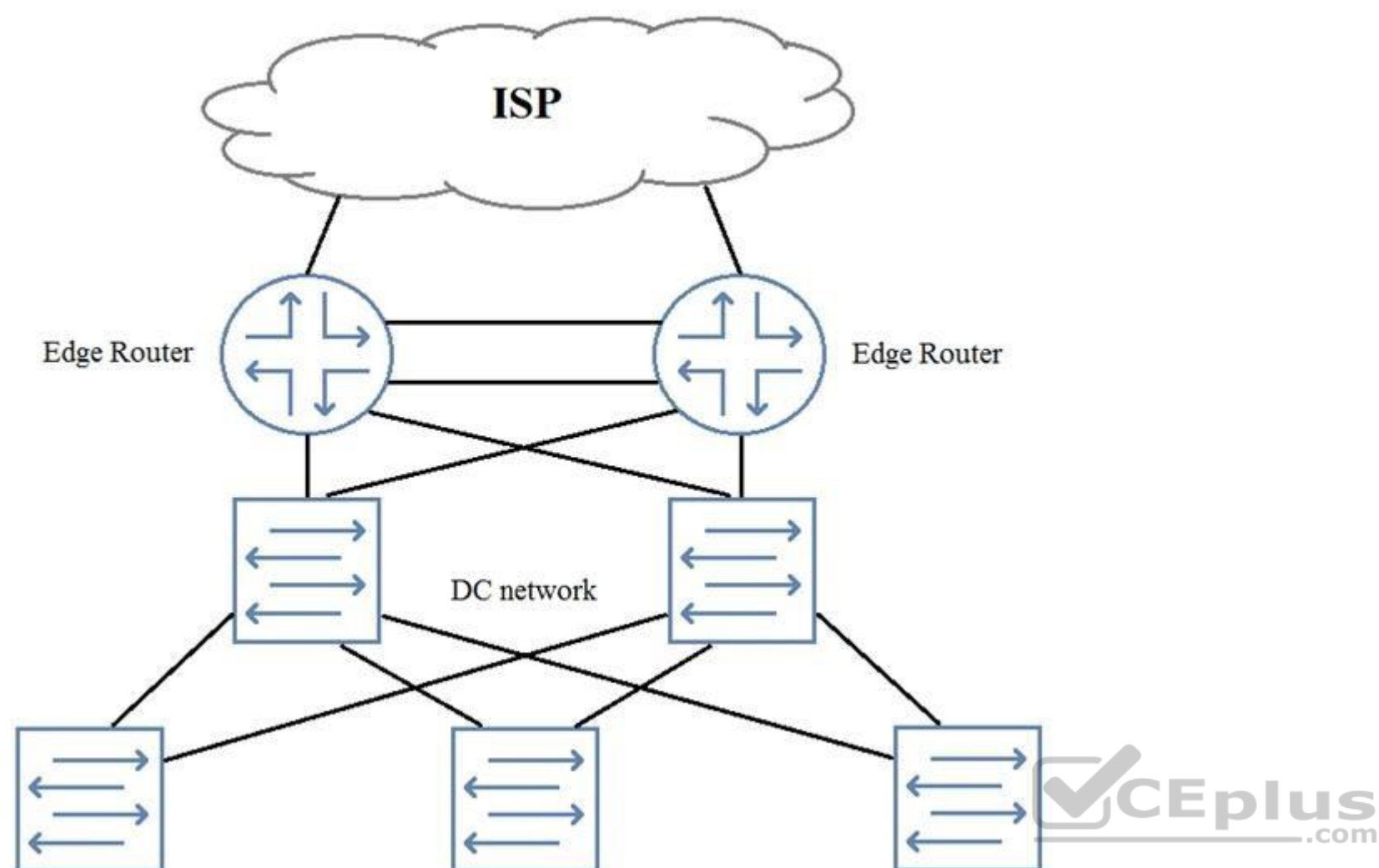
Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

You need to add perimeter security to the network shown in the exhibit. All traffic must be inspected for attacks. The edge routers are using all available ports. Your solution must maintain both port and device resiliency.



In this scenario, which design would satisfy these requirements?

- A. one-arm SRX Series device using LAG
- B. one-arm SRX Series chassis cluster
- C. inline SRX Series chassis cluster
- D. inline SPX Series device using LAG

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3 You are designing a network for a small data center.

In this scenario, which underlay protocol allows for the simplest implementation?

- A. OSPF
- B. IBGP
- C. EBGP
- D. MPLS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

You are asked to manage the oversubscription ratio of your spine and leaf IP fabric. You determine that you are at a 3:1 ratio of downstream to upstream traffic and must achieve a 1:1 ratio.

In this scenario, which two actions would you take to achieve this goal? (Choose two.)

- A. Increase the number of server-facing ports that each leaf node uses to carry traffic.
- B. Reduce the number of server-facing ports that each leaf node uses to carry traffic.
- C. Increase the number of spine nodes in your design.
- D. Reduce the number of leaf nodes in your design.

Correct Answer: BC

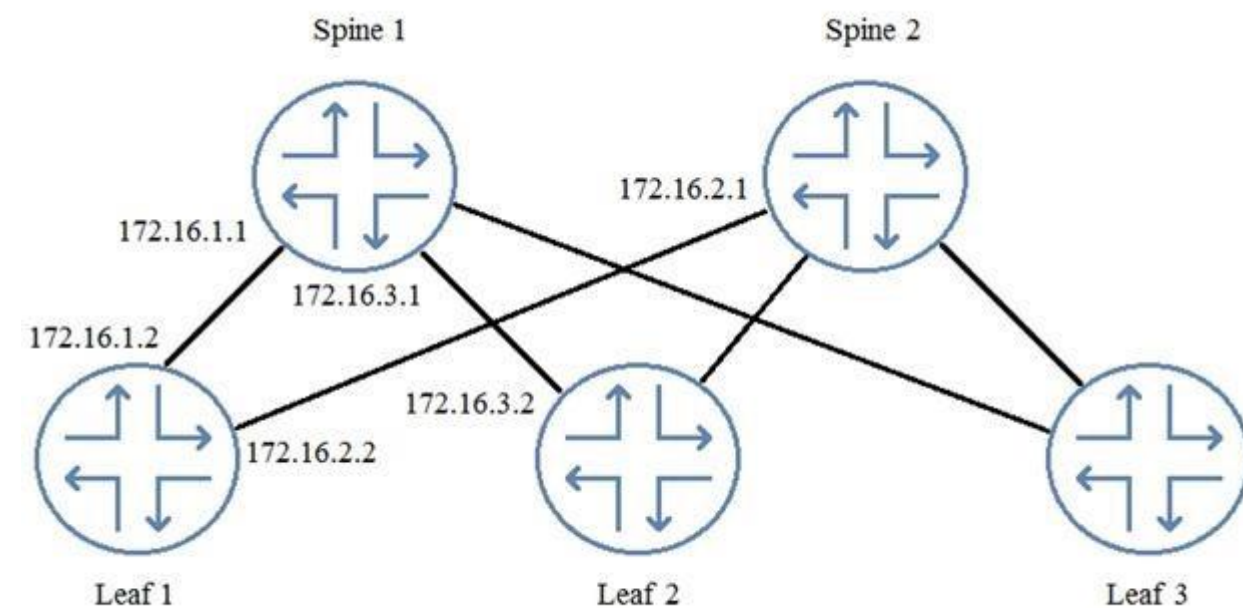
Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

You are logged in to Leaf 1. When examining the routing table, you notice that you have no routes from Leaf 2.



Referring to the exhibit, which two commands would you use to troubleshoot the problem? (Choose two.)

- A. From Leaf 2, issue the `show route advertising-protocol bgp 172.16.1.2` command.
- B. From Spine 1, issue the `show route advertising-protocol bgp 172.16.1.1` command.
- C. From Spine 1, issue the `show route advertising-protocol bgp 172.16.1.2` command.
- D. From Leaf 1, issue the `show route receive-protocol bgp 172.16.1.1` command.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6 You are designing a Layer 3 fabric underlay using EBGp. You will implement an EVpN-sigaled VxLAN overlay on the Layer 3 fabric.

In this scenario, what must you do in the underlay to ensure that the VxLAN overlay will be able to function properly?

- A. The underlay should advertise the host-connected interfaces on all leaf devices.
- B. Each device in the underlay should advertise its loopback address.
- C. The underlay should be configured with a separate VRF for each potential tenant.
- D. The underlay should support the PIM protocol.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7 You are configuring VxLAN, and you must ensure that all switches for the multicast groups advertise their existence and learn about other VTEPs.

In this scenario, which protocol will accomplish this task?

- A. OSPF
- B. BGP
- C. EVpN
- D. PIM



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8 Which statement is true about a Data Center Interconnect over an IP network?

- A. Layer 2 data must traverse a point-to-point link.
- B. Layer 2 data must traverse an MPLS LSP.
- C. Layer 2 data must be encapsulated.
- D. Layer 3 data must be encapsulated.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 You work in a data center where VMs and hosts are frequently moved. Your design needs to eliminate inefficient traffic flows.

In this scenario, which two solutions will satisfy this requirement? (Choose two.)

- A. VXLAN
- B. EVPN
- C. VMTO
- D. VPLS

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10 A VXLAN adds 50 to 54 bytes of extra header information to an Ethernet frame.

In this scenario, how would you accommodate this increase?

- A. Decrease the number VXLANs used.
- B. Increase the MTU on the physical interface connected to the VXLAN network.
- C. Only use switches as VTEPs.
- D. Increase the MTU on the VTEP interface connected to the VXLAN network.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

A client with five data centers spread around the country uses MPLS L2VPNs to provide point-to-point data center interconnects between each data center in a full-mesh network. The client is considering an MPLS EVPN implementation. In this scenario, what are three advantages of using MPLS EVPN interconnects? (Choose three.)

- A. They provide for static configuration that does not require a Dynamic Routing Protocol.
- B. They provide for lower transmission latency.
- C. They provide for a local proxy ARP/ND resolution.
- D. They provide for point-to-multipoint connectivity.
- E. They provide for MAC learning in the control plane.

Correct Answer: CDE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

You host a multitenant data center that runs VMware. You must perform deep packet inspection on all inter-tenant traffic that is flowing between the VMs within the same hypervisor. Your solution must provide the security services without needing to leave the physical device.

In this scenario, what should you do to solve this problem?

- A. Use separate vSwitches to isolate each tenant's networks and use IP tables to evaluate inter-tenant traffic.
- B. Use VLANs to isolate each tenant's networks and use an SRX Series device to evaluate inter-tenant traffic.
- C. Use a vMX device to isolate each tenant's networks and use with firewall filters to evaluate inter-tenant traffic.
- D. Use separate vSwitches to isolate each tenant's networks and use a vSRX Series device to evaluate inter-tenant traffic.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

You are configuring an EVPN overlay network. You want to ensure that leaf devices can respond to ARP requests from locally connected hosts, when the leaf device knows the MAC of the intended destination.

In this scenario, what should you configure on the leaf devices to accomplish this task?

- A. proxy ARP
- B. static ARP entries
- C. persistent MAC learning
- D. IGMP snooping

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14 Which two statements describe MAC address learning for VPLS and EVPN? (Choose two.)

- A. EVPN learns MAC addresses in the data plane.
- B. VPLS learns MAC addresses in the control plane.
- C. VPLS learns MAC addresses in the data plane.
- D. EVPN learns MAC addresses in the control plane.



Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

A company wants to expand their hosting business and is seeking solutions to support multiple tenants. Each tenant should be able to configure their own logical interfaces. Also, based on customer needs, all routing features must be supported.

What will satisfy the customer's requirements?

- A. routing instances
- B. tenant systems
- C. logical systems
- D. bridge domains

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

After configuring an IP fabric using EIGRP as your routing protocol, you notice that not all of the routes are showing up in the routing tables. You have verified that all adjacencies have formed, and that all policies are in place and configured properly.

In this scenario, which statement is true?

- A. The routers have not been configured with the `multipath multiple-as` parameter.
- B. The routers have not been configured using the `add-path` parameter.
- C. The routers have not been configured using the `bfd-liveness-detection` parameter.
- D. The routers have not been configured using the `multihop` parameter.

Correct Answer: D

Section: (none)

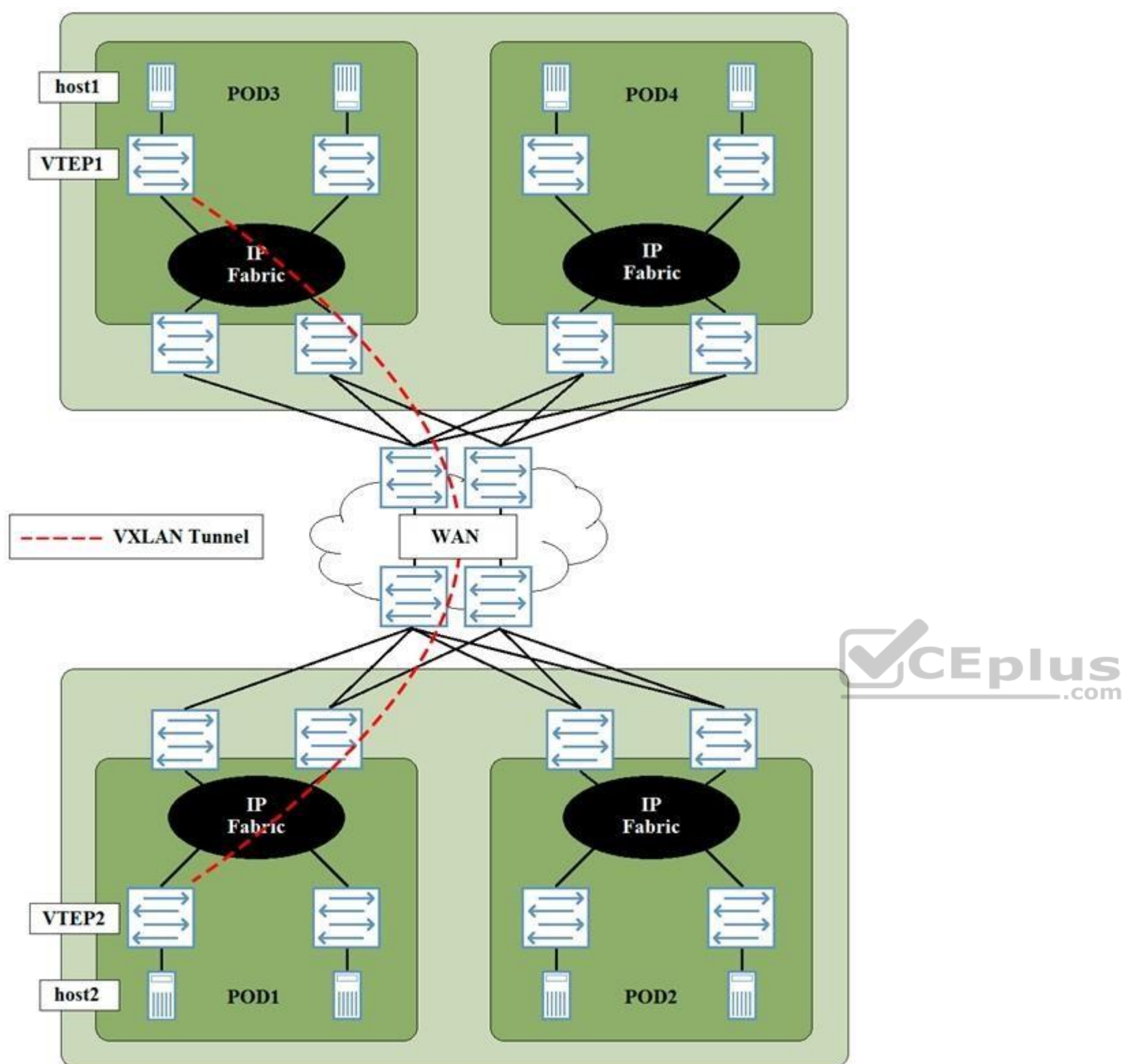
Explanation

Explanation/Reference:

QUESTION 17

Referring to the exhibit, DC1 and DC2 have a DCI across a service provider WAN connection. Host1 in DC1 must have Layer 2 connectivity to host2 in DC2. A VXLAN tunnel must be created between VTEP1 and VTEP2.





In this scenario, which statement is true?

- A. The service provider WAN connection cannot be an MPLS-based WAN connection.
- B. VXLAN Layer 3 gateway must be provisioned at the Super Spine layer.
- C. A route to the loopback address on VTEP2 must be present on VTEP1.
- D. VTEP1 and VTEP2 must peer using IBGP.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18 You are designing an EBGp IP fabric for a multi-site data center.

In this scenario, which two statements are true? (Choose two.)

- A. Public AS numbers must be used.
- B. Different AS numbers should be used on all devices.
- C. The same AS number should be used on all devices across all data centers.
- D. Private AS numbers can be used.

Correct Answer: BD

Section: (none)

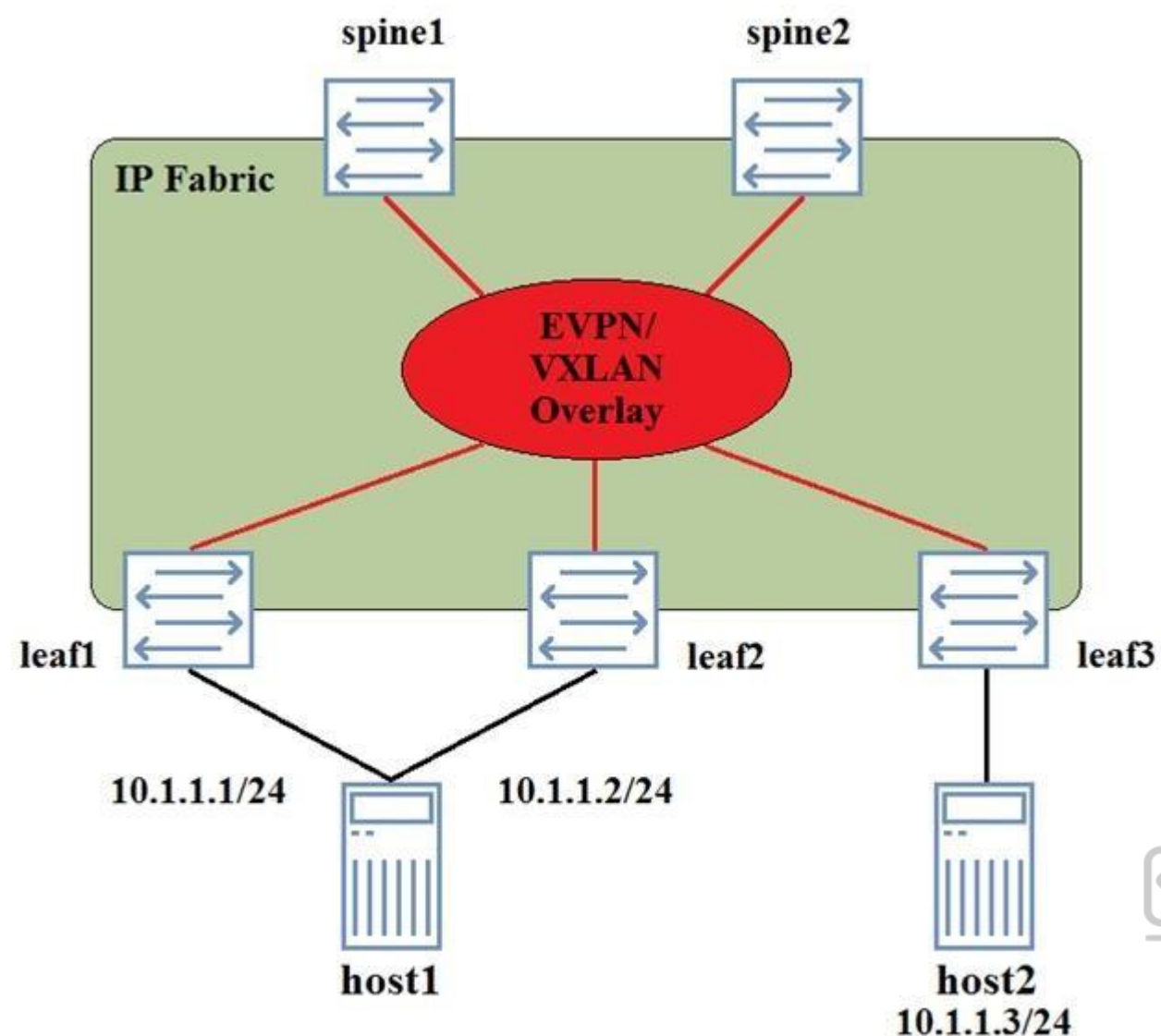
Explanation

Explanation/Reference:

QUESTION 19

An EVpN-signaled vxLAN overlay has been deployed in the network shown in the exhibit. Host1 is a bare metal server, and is dual-homed to the network. The IP addresses 10.1.1.1/24 and 10.1.1.2/24 are assigned to the same physical NIC, and no virtualization is configured on the server.





In this scenario, which two statements are true? (Choose two.)

- A. The MAC address associated with 10.1.1.1/24 and 10.1.1.2/24 will be the same when advertised to leaf3.
- B. The connection from host1 to devices leaf1 and leaf2 must be configured as a LAG.
- C. Traffic from IP address 10.1.1.1/24 must traverse the VXLAN network to reach IP address 10.1.1.2/24.
- D. The ESI assigned to the leaf1-host1 link must be the same as the ESI assigned to the leaf2-host1 link.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

You are implementing perimeter security for your data center. You need to inspect all traffic at Layer 7 and ensure the failure of a port or device will not result in an interruption to traffic flows.

In this scenario, which design would satisfy these requirements?

- A. SRX using LAG
- B. MX with MC-LAG
- C. QFX Virtual Chassis

D. SRX chassis cluster

Correct Answer: D

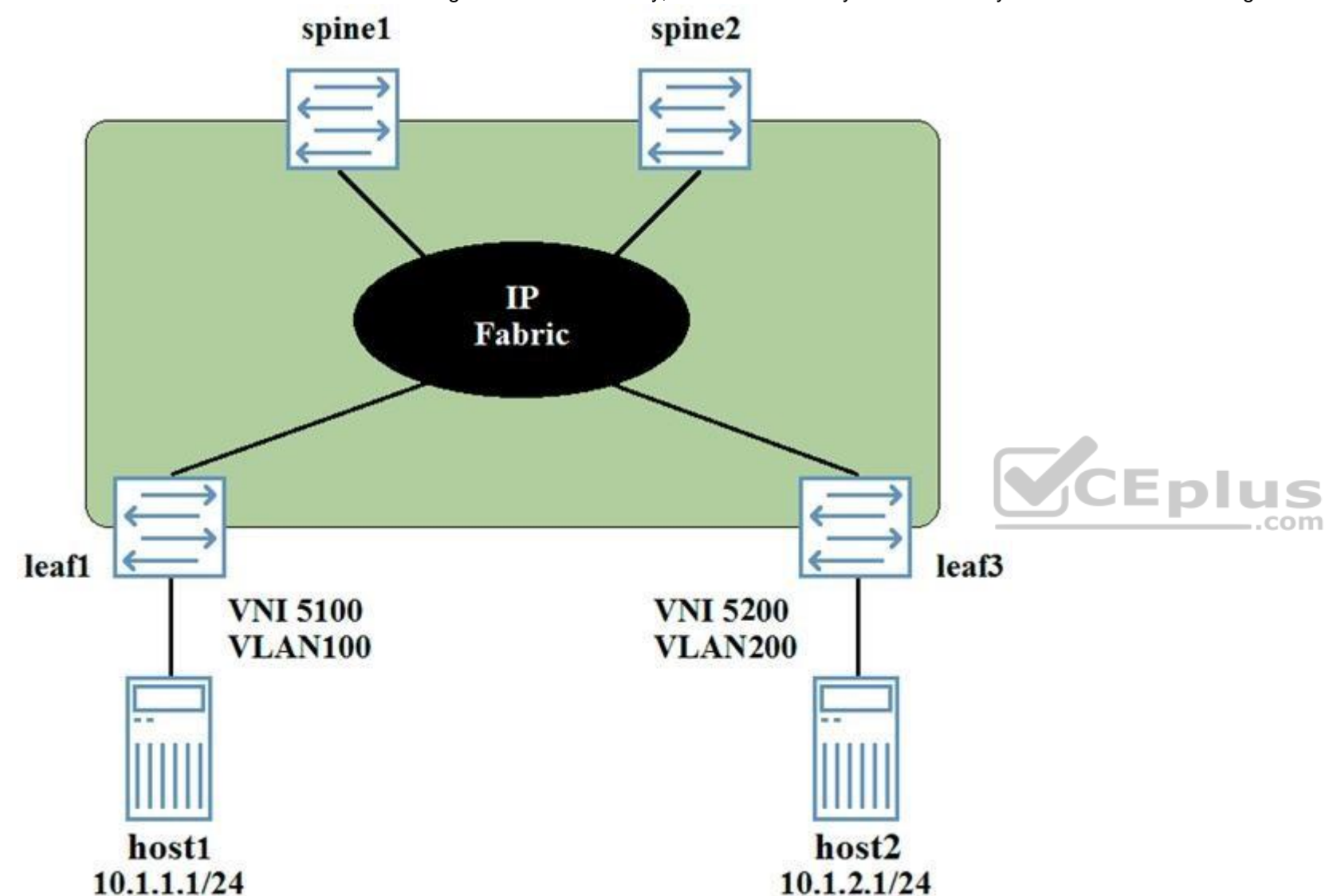
Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Host1 and host2 are connected to an EVPN signaled VXLAN overlay, and must have Layer 3 connectivity. The VNI and VLAN assignments are shown in the exhibit.



In this scenario, which two statements are true? (Choose two.)

- A. The ESI assigned to the host1 link will be different from the ESI assigned to the host2 link.
- B. The VNI assigned to the host1 link must be the same as the VNI assigned to the host2 link.
- C. A Layer 3 gateway can be configured on the spine devices.
- D. A Layer 3 gateway can be configured on the leaf devices.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22 What are three functions supported by the Contrail Command user interface?

(Choose three.)

- A. enabling VM-to-BMS bridging
- B. onboarding of an IP Fabric
- C. configuring management domains
- D. integrated syslog collector
- E. creating virtual networks

Correct Answer: CDE

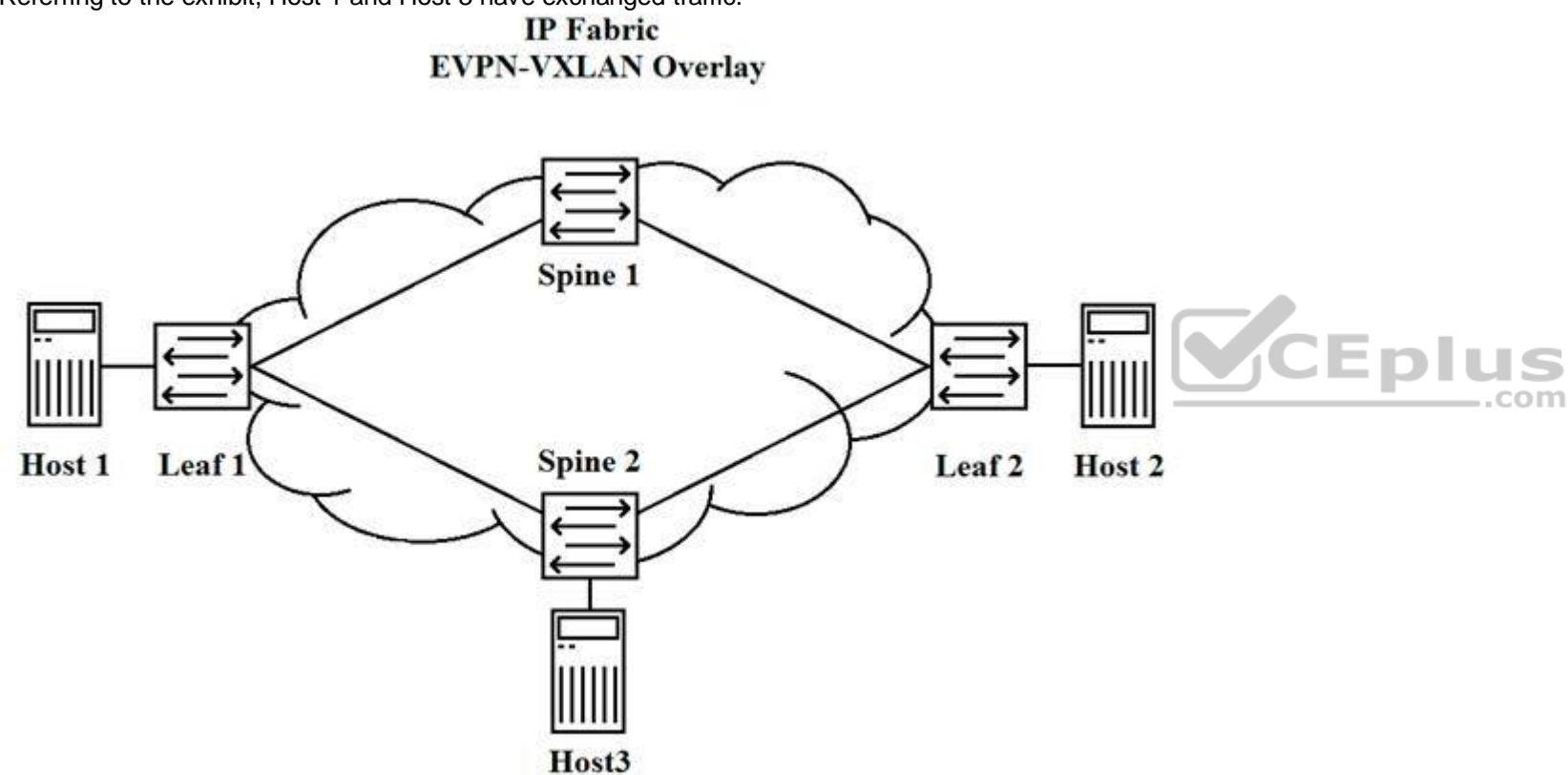
Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

Referring to the exhibit, Host 1 and Host 3 have exchanged traffic.



In this scenario, which statement is true?

- A. Leaf 2 does not learn Host 1's MAC address until Host 1 and Host 2 send traffic to each other.
- B. Leaf 2 learns Host 1's MAC address through periodic updates from Spine 2.
- C. Leaf 2 learns Host 1's MAC address when Host 3 learns Host 1's MAC address.
- D. Leaf 2 learns Host 1's MAC address when Leaf 1 queries Host 1.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24 You want to configure redundant Layer 3 gateways.

In this scenario, which two Juniper best practices would accomplish this task? (Choose two.)

- A. configuring both IRB interfaces manually with the same MAC address.
- B. allowing Junos to dynamically create the virtual IP address of the IRB interface.
- C. configuring both IRB interfaces manually with the same IP address.
- D. allowing Junos to dynamically create the virtual MAC address of the IRB interface.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Referring to the VTEP output shown in the exhibit, which two statements are true? (Choose two.)

```
user@leaf1> show ethernet-switching table
```

```
MAC flags (S - static MAC, D - dynamic MAC, L -
locally learned, P - Persistent static
          SE - statistics enabled, NM - non
configured MAC, R - remote PE MAC, O - ovsdb
MAC)
```

```
Ethernet switching table : 2 entries, 2 learned
Routing instance : default-switch
```

Vlan	MAC	MAC
Logical	Active	
name	address	flags
interface	source	
v15	52:54:00:2c:4b:a2	D
vtep.32771	192.168.100.13	
v15	52:54:00:5e:88:6a	D
xe-0/0/0.0		

- A. The MAC address 52:54:00:2c:4b:a2 belongs to a local host.
- B. The MAC address 52:54:00:5e:88:6a belongs to a remote host.
- C. The MAC address 52:54:00:2c:4b:a2 belongs to a remote host.
- D. The MAC address 52:54:00:5e:88:6a belongs to a local host.

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26 Which EVPN route type would be used in a DCI situation in which the IP subnets between data centers are completely unique?

- A. Type 2
- B. Type 3
- C. Type 4
- D. Type 5

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27 What happens when a packet is encapsulated by a VXLAN before being placed in the overlay?

- A. The QoS markings are placed in the VXLAN header.
- B. The VLAN-ID is placed in the VXLAN header.
- C. A VNI that maps to the VLAN-ID is placed in the VXLAN header.
- D. The TTL is decremented by two and placed in the VXLAN header.

Correct Answer: C

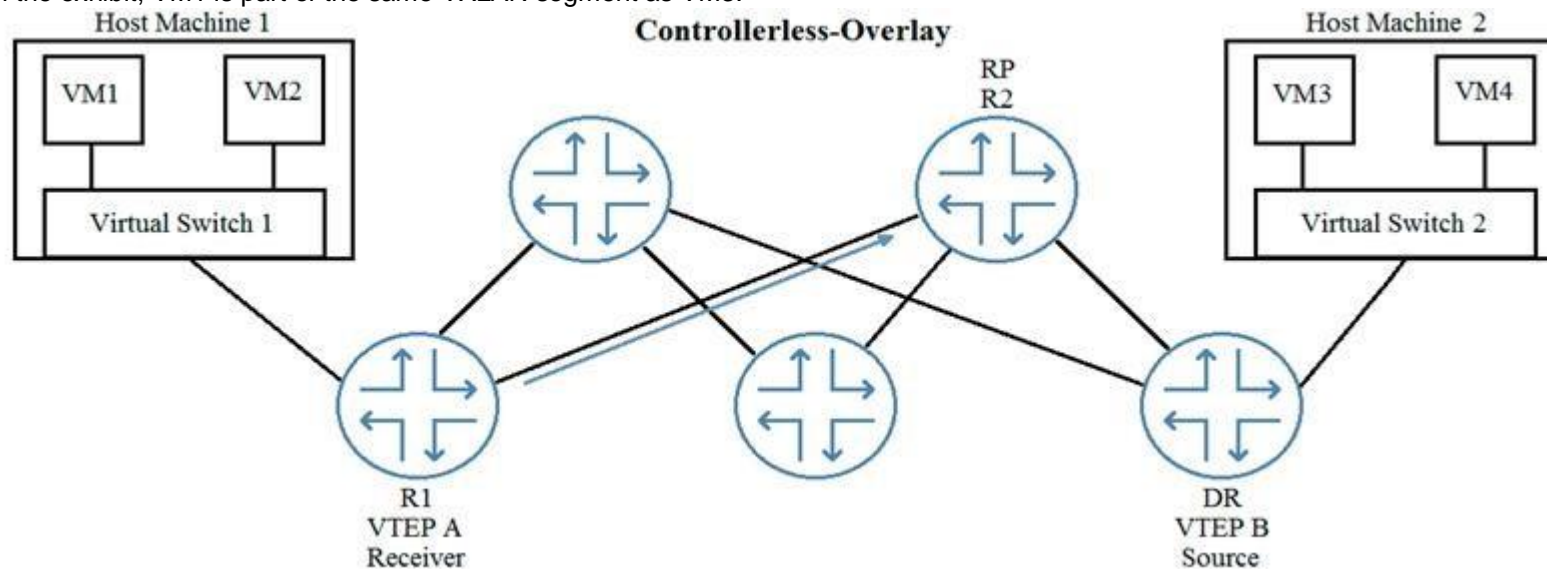
Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

In the exhibit, VM1 is part of the same VXLAN segment as VM3.



Which type of message will R1 initially send to R2 so that VM1 receives BUM traffic from VM3?

- A. IGMP Join (S,G)
- B. PIM Join
- C. IGMP Join (*,G)
- D. PIM Register message

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

You are asked to design a deployment plan for a large number of QFX Series switches using ZTP. The ZTP deployment plan must ensure all switches are configured with their designated configuration file.

Which DHCP option and suboption combination would be used to accomplish this task?

- A. DHCP option 43 with a suboption of 00
- B. DHCP option 66 with a suboption of 00
- C. DHCP option 66 with a suboption of 01
- D. DHCP option 43 with a suboption of 01

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30 You are asked to deploy 20 QFX Series devices using ZTP. Each QFX5100 requires a specific FTP server.

In this scenario, which two components must you configure on the DHCP server? (Choose two.)

- A. the IP address of the FTP server
- B. the MAC address of the FTP server
- C. the IP address of each QFX5100
- D. the MAC address of each QFX5100



Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

You are configuring an IP Fabric in your data center and you are trying to load-balance traffic across multiple equal-cost BGP routes. You have enabled multipath, but the traffic is not being load-balanced.


```
user@switch> show route 10.1.2.0/24

inet.0: 11 destinations, 13 routes (11 active,
holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

10.1.2.0/24          *[BGP/170] 01:21:05,
localpref 100
                    AS path: 64516 I,
validation-state: unverified
                    to 172.16.3.1 via ge-
0/0/1.0
                    > to 172.16.5.1 via ge-
0/0/2.0
                    [BGP/170] 01:09:08,
localpref 100
                    AS path: 64515 I,
validation-state: unverified
                    > to 172.16.3.1 via ge-
0/0/1.0
```

```
user@switch> show route forwarding-table
destination 10.1.2.0/24
Routing table: default.inet
Internet:
Destination      Type RtRef Next hop
              Type Index   NhRef Netif
10.1.2.0/24      user    0 172.16.5.1
              ucst   574   4 ge-0/0/2.0
...
```

```
user@switch> show configuration policy-options
policy-statement load-balance {
    term lb {
        then {
            load-balance per-packet;
            accept;
        }
    }
}
```



Referring to the exhibit, what will solve this problem?

- A. You should apply the `load-balance` policy as an import policy to the forwarding table.
- B. You should apply the `load-balance` policy as an import policy for the BGP neighbor.
- C. You should apply the `load-balance` policy as an export policy to the forwarding table.
- D. You should apply the `load-balance` policy as an export policy to the BGP neighbor.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 When using EBGP as the underlay protocol for your IP fabric architecture, which two statements are true? (Choose two.)

- A. Spine nodes only peer to leaf nodes.
- B. Leaf nodes peer to both spine and leaf nodes.
- C. Leaf nodes only peer to spine nodes.
- D. Spine nodes peer to both leaf and spine nodes.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:



QUESTION 33 What are three advantages of using MPLS for data center interconnects? (Choose three.)

- A. dedicated MPLS backbones for Layer 2 and Layer 3 DCIs
- B. any-to-any connectivity
- C. traffic engineering
- D. dedicated connections between customer sites
- E. sub 50 ms failover times

Correct Answer: ACE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

You have configured a new MC-LAG connection to a host. After committing the configuration, the MC-LAG link is not functioning properly.

```
{master:0}[edit interfaces ae1]
user@gfx1# show
aggregated-ether-options {
  lacp {
    active;
    system-id 01:01:01:01:01:01;
    admin-key 1;
  }
  mc-ae {
    mc-ae-id 0;
    chassis-id 0;
    mode active-active;
    status-control active;
  }
}
unit 0 {
  family ethernet-switching {
    vlan {
      members vl15;
    }
  }
}
```

```
{master:0}[edit interfaces ae1]
user@gfx2# show
aggregated-ether-options {
  lacp {
    active;
    system-id 01:01:01:01:01:01;
    admin-key 1;
  }
  mc-ae {
    mc-ae-id 1;
    chassis-id 1;
    mode active-active;
    status-control standby;
  }
}
unit 0 {
  family ethernet-switching {
    vlan {
      members vl15;
    }
  }
}
```

Referring to the exhibit, how would you solve this problem?

- A. Change the chassis-id on qfx1 to 1.
- B. Configure a system-id on qfx1 that is different from the system-id on qfx2.
- C. Configure the status-control on qfx2 to active.
- D. Change the mc-ae-id on qfx1 to 1.



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35 Which two combinations are supported when configuring a Virtual Chassis Fabric? (Choose two.)

- A. two spine nodes and 28 leaf nodes
- B. four spine nodes and 20 leaf nodes
- C. four spine nodes with 16 leaf nodes
- D. two spine nodes and 16 leaf nodes

Correct Answer: CD

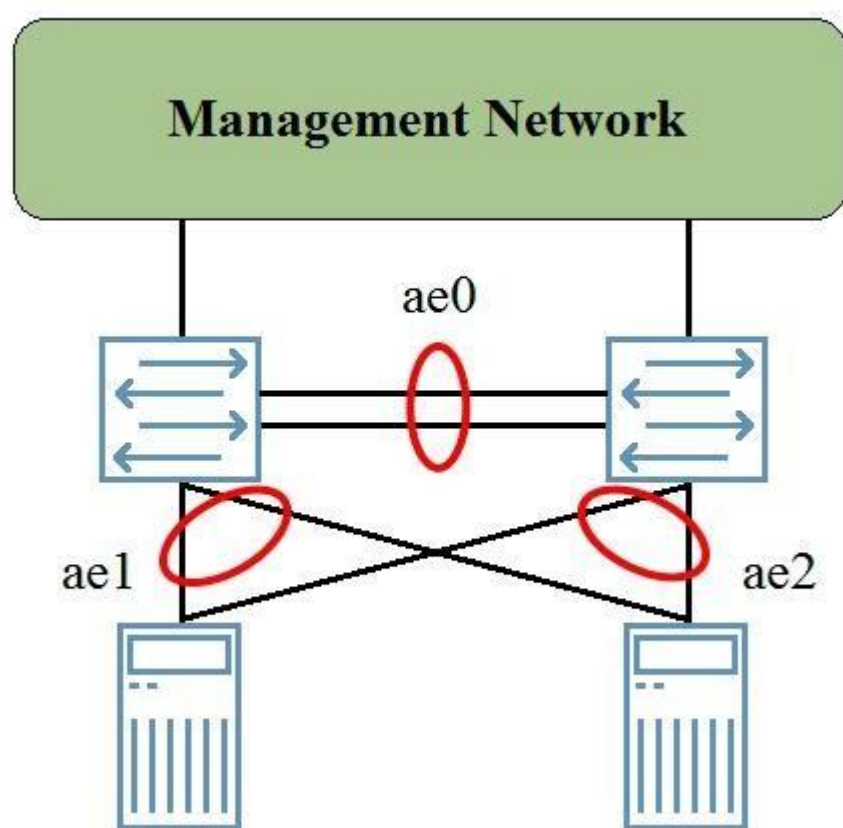
Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

The MC-LAG group shown in the exhibit is providing high availability services for the directly connected servers. The backup liveness detection is applied to the ICL-PL link, however, when one of the members rebooted, there was traffic loss for a few seconds.



In this scenario, where should you apply the backup liveness detection?

- A. on the ae1 interface
- B. on the ae2 interface
- C. on the management interfaces
- D. on the ae0 interface

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Which two statements define the use of route targets and route distinguishers in an EVPN? (Choose two.)

- A. Route targets ensure that routes from different clients remain unique within the data center domain.
- B. Route targets identify the VRF into which the route should be placed.
- C. Route distinguishers ensure that routes from different clients remain unique within the data center domain.
- D. Route distinguishers identify the VRF into which the route should be placed.

Correct Answer: BC

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 38 Which two statements describe an IP fabric? (Choose two.)

- A. Open standards allow for vendor interoperability.
- B. Each leaf should have a connection to each spine.
- C. xSTP protocols should be used to prevent loops.
- D. Traffic should always follow a single path.

Correct Answer: BC

Section: (none)

Explanation**Explanation/Reference:****QUESTION 39**

What is the purpose of the command shown in the exhibit?

```
[edit protocols 12-learning]
user@switch# show
disable-vxlan-multicast-transit {
    vxlan-multicast-group 239.0.0.1;
}
```

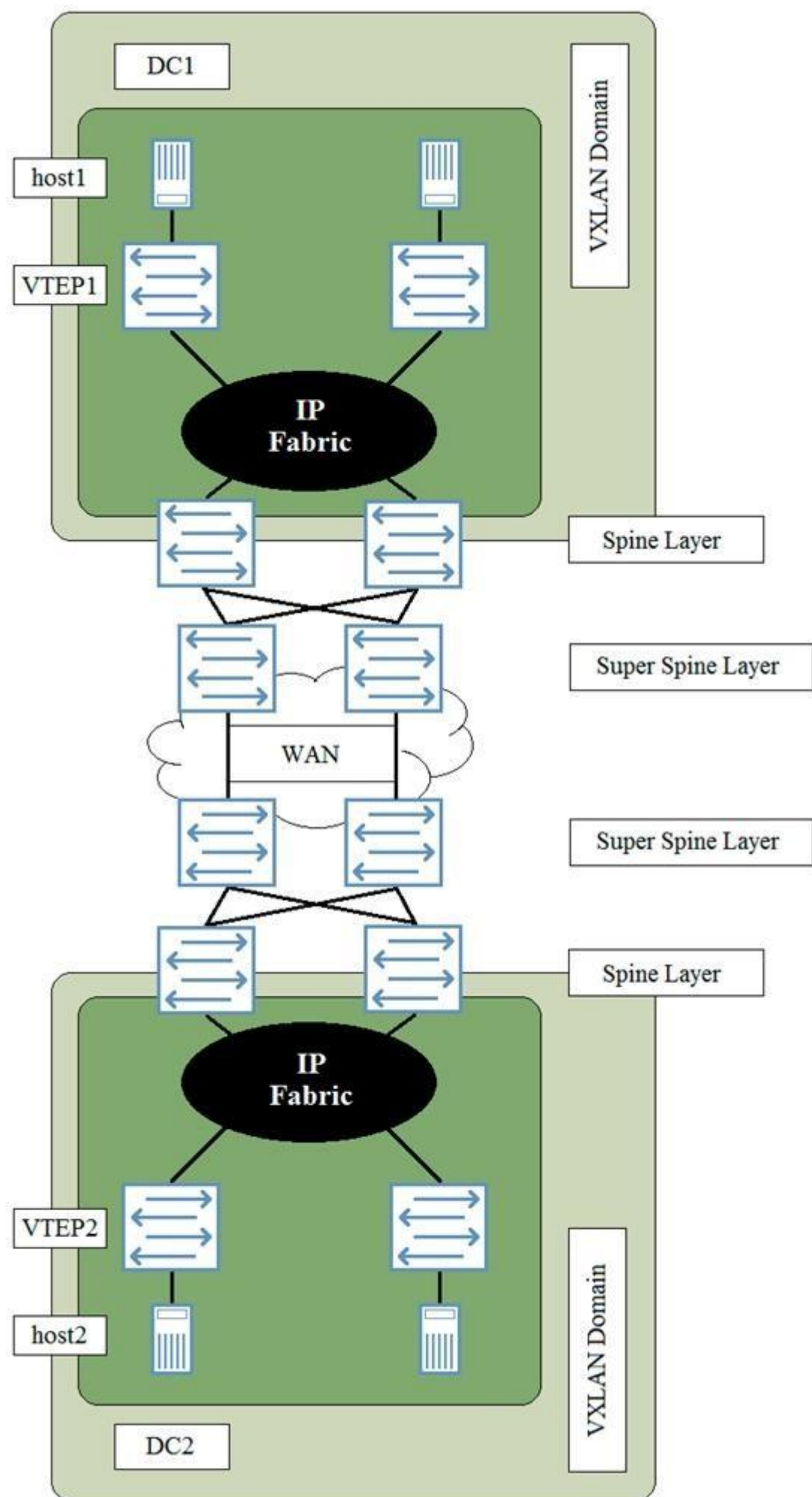
- A. to stop the transmission of transit multicast traffic when there are no interested receivers attached to a remote VTEP.
- B. to disallow IGMP requests for the group 239.0.0.1 from hosts attached to the local VTEP.
- C. to disable the multicast group 239.0.0.1 across the entire VXLAN.
- D. to stop the reception of transit multicast traffic when there are no interested receivers attached to the local VTEP.

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 40**

You have deployed two data centers that require a Layer 2 stretch between host1 and host2.



Referring to the exhibit, what does a Layer 2 stretch require?

- A. a VXLAN tunnel originating on the Super Spine Layer in DC1 to the Super Spine Layer in DC2.
- B. a VXLAN tunnel originating on VTEP1 to VTEP2.
- C. a VXLAN tunnel originating on the Spine Layer in DC1 to the Spine Layer in DC2.
- D. a VPLS WAN connection between data centers.

Correct Answer: B

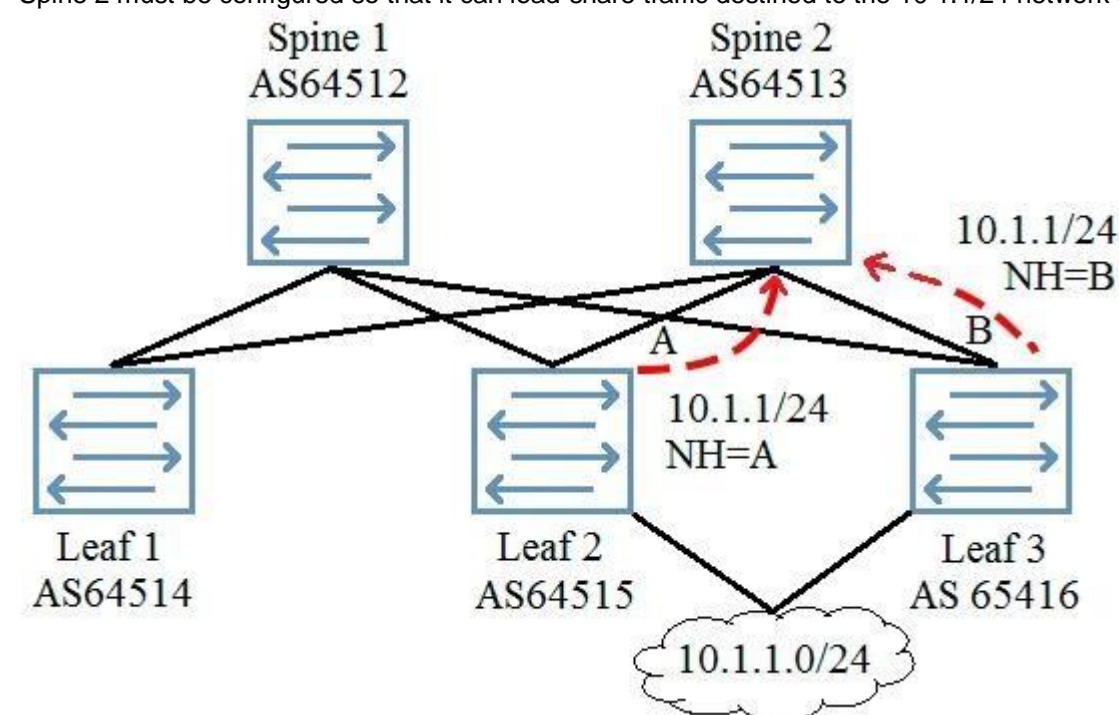
Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

Referring to the exhibit, each node in the IP fabric is peering to its directly attached neighbor using EBGP. Each node is peering using physical interface IP addresses. Leaf 2 and Leaf 3 are advertising the 10.1.1/24 network into EBGP. Spine 2 must be configured so that it can load-share traffic destined to the 10.1.1/24 network over both next-hop A and next-hop B.



Which two actions must be performed to accomplish this task? (Choose two.)

- A. Use a load-balancing policy applied to the forwarding table.
- B. Use multipath multiple-AS.
- C. Use advertise-inactive.
- D. Use multihop.

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

Which two statements describe EVPN-based VXLAN implementations? (Choose two.)

- A. The movement of a virtual host requires a manual reconfiguration of the VTEP.

- B. The movement of a virtual host results in the dynamic remapping of the VTEP.
- C. MAC addresses are learned using multicast flooding.
- D. MAC addresses are propagated using BGP updates.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

You are troubleshooting an L3VPN that is part of an EVPN/MPLS DCI. You notice that the EVPN overlay BGP session toward 10.29.50.4 is unable to establish.

```
VPN.inet.0: 15 destinations, 16 routes (15 active,
0 holddown, 1 hidden)
 10.29.50.4/32 (2 entries, 1 announced)
   Import Accepted
   Route Distinguisher: 65000:12345
   VPN Label: 16
   Nexthop: 192.168.5.5
   MED: 3
   Localpref: 100
   AS path: I
   Communities: target:65000:12345 rte-
type:0.0.0.0:1:0
```



Why is the BGP session failing to establish?

- A. The `vrf-table-label` value is not configured in the remote PE.
- B. The `route-distinguisher` value on the local PE is incorrect.
- C. There is no route for 192.168.5.5 in inet.3.
- D. There is no route for 192.168.5.5 in VPN.inet.0.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

You are building a new IP fabric data center underlay network and want to ensure predictable load-balancing behavior for traffic traversing the fabric. What

are two approaches you should take to satisfy the requirement in this scenario? (Choose two.)

- A. Ensure that all uplinks are 40GbE.
- B. Ensure that every leaf node has a link to every other leaf node.
- C. Ensure that every leaf node has an uplink to every spine node.
- D. Ensure that all spine devices are the same switch model.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

You are asked to enable plug-and-play for future line card switches in an active VCF without making any future Junos configuration changes. You are also required to ensure that all new line cards are automatically upgraded to the correct Junos version without any manual intervention.

In this scenario, which two actions will accomplish this task? (Choose two.)

- A. Ensure that the newly inserted line card's MAC addresses are present in the DHCP configuration for ZTP.
- B. Configure the `auto-sw-update` parameter on the VCF before inserting new line cards.
- C. Set the Virtual Chassis as pre-provisioned before the line cards are inserted.
- D. Set the Virtual Chassis as auto-provisioned before the line cards are inserted.

Correct Answer: BD

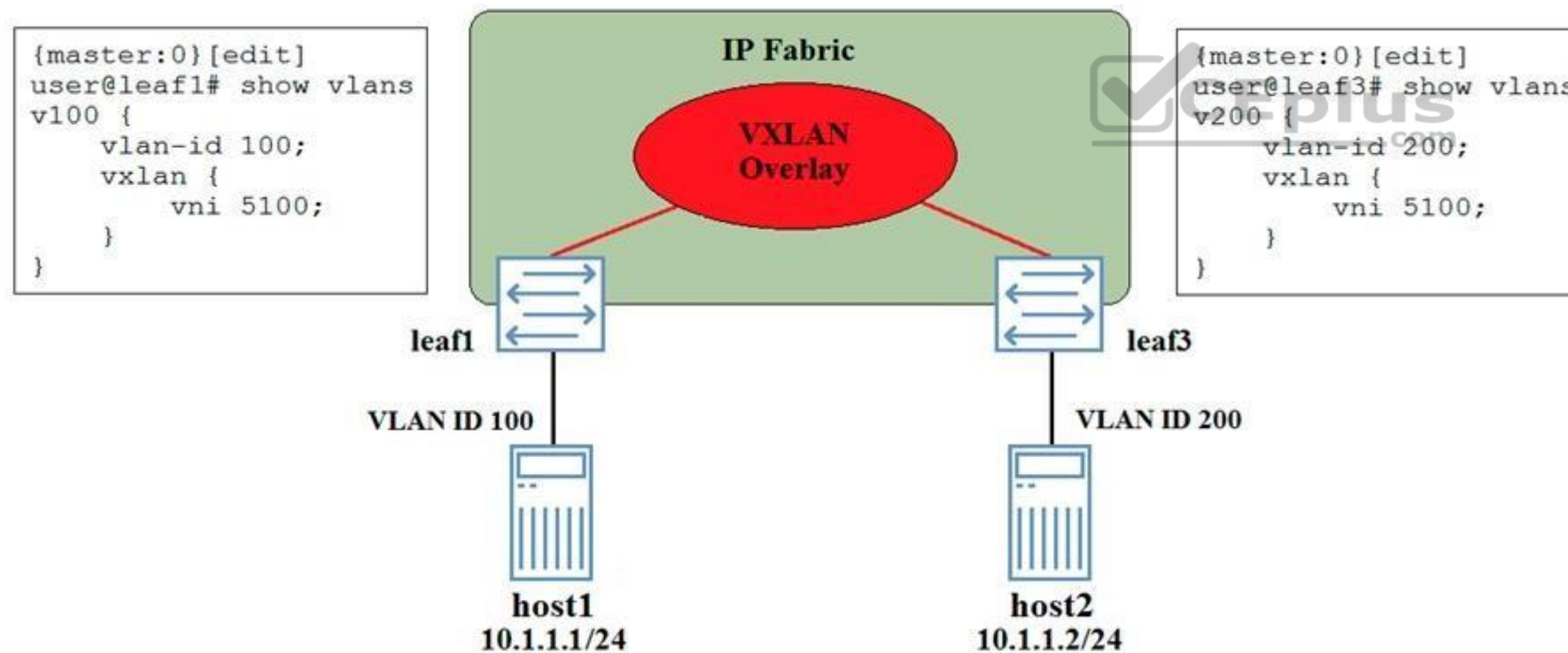
Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

A VXLAN has been created between devices leaf1 and leaf3.



Referring to the exhibit, which statement is true?

- A. Traffic sent from host1 to host2 will be tagged with VLAN ID 200 when exiting leaf3.
- B. Traffic sent from leaf1 to host2 will be dropped on leaf1.
- C. Traffic sent from host1 to host2 will be tagged with VLAN ID 100 when exiting leaf3.
- D. Traffic sent from leaf1 to host2 will be dropped on leaf3.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47 What is the endpoint of a VXLAN tunnel?

- A. DLCI
- B. VTEP
- C. LSR
- D. VCF

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48 Which EVPN route type prevents BUM traffic from looping back to a multihomed host?

- A. IP prefix route
- B. Ethernet autodiscovery route
- C. Ethernet segment route
- D. inclusive multicast-Ethernet tag route

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Your colleague has begun working on the base configuration for an active-active multihomed EVPN connection shown in the exhibit.



```
PE1
set interfaces ge-0/0/4 vlan-tagging
set interfaces ge-0/0/4 encapsulation flexible-
ethernet-services
set interfaces ge-0/0/4 esi
00:00:00:00:00:00:00:00:00:00
set interfaces ge-0/0/4 esi all-active
set interfaces ge-0/0/4 unit 0 encapsulation
vlan-bridge
set interfaces ge-0/0/4 unit 0 vlan-id 300
```

```
PE2
set interfaces ge-0/0/4 vlan-tagging
set interfaces ge-0/0/4 encapsulation flexible-
ethernet-services
set interfaces ge-0/0/4 esi
00:22:44:66:88:00:22:44:66:88
set interfaces ge-0/0/4 esi single-active
set interfaces ge-0/0/4 unit 0 encapsulation
vlan-bridge
set interfaces ge-0/0/4 unit 0 vlan-id 300
```



Which two actions will ensure a successful implementation? (Choose two.)

- A. Change the ESI mode on PE1 to single-active.
- B. Change the ESI mode on PE2 to all-active.
- C. Change the ESI value on the PE2 device to 00:00:00:00:00:00:00:00:00:00.
- D. Change the ESI value on the PE1 device to 00:22:44:66:88:00:22:44:66:88.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50 You have a site with thousands of MAC addresses multihomed to two leaf nodes in an EVPN VXLAN.

In this scenario, which EVPN feature provides fast network convergence in the event of a leaf node link failure?

- A. BGP Additional Paths
- B. Bidirectional Forwarding Detection
- C. Ethernet Autodiscovery
- D. Fast reroute

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51 What are two methods used to scale an IBGP IP Fabric? (Choose two.)

- A. spanning tree
- B. redundant trunk groups
- C. route reflection
- D. confederations

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52 Which protocol is used between VCF member devices to create a loop-free topology?

- A. LLDP
- B. MSTP
- C. RSTP
- D. VCCP

Correct Answer: D

Section: (none)

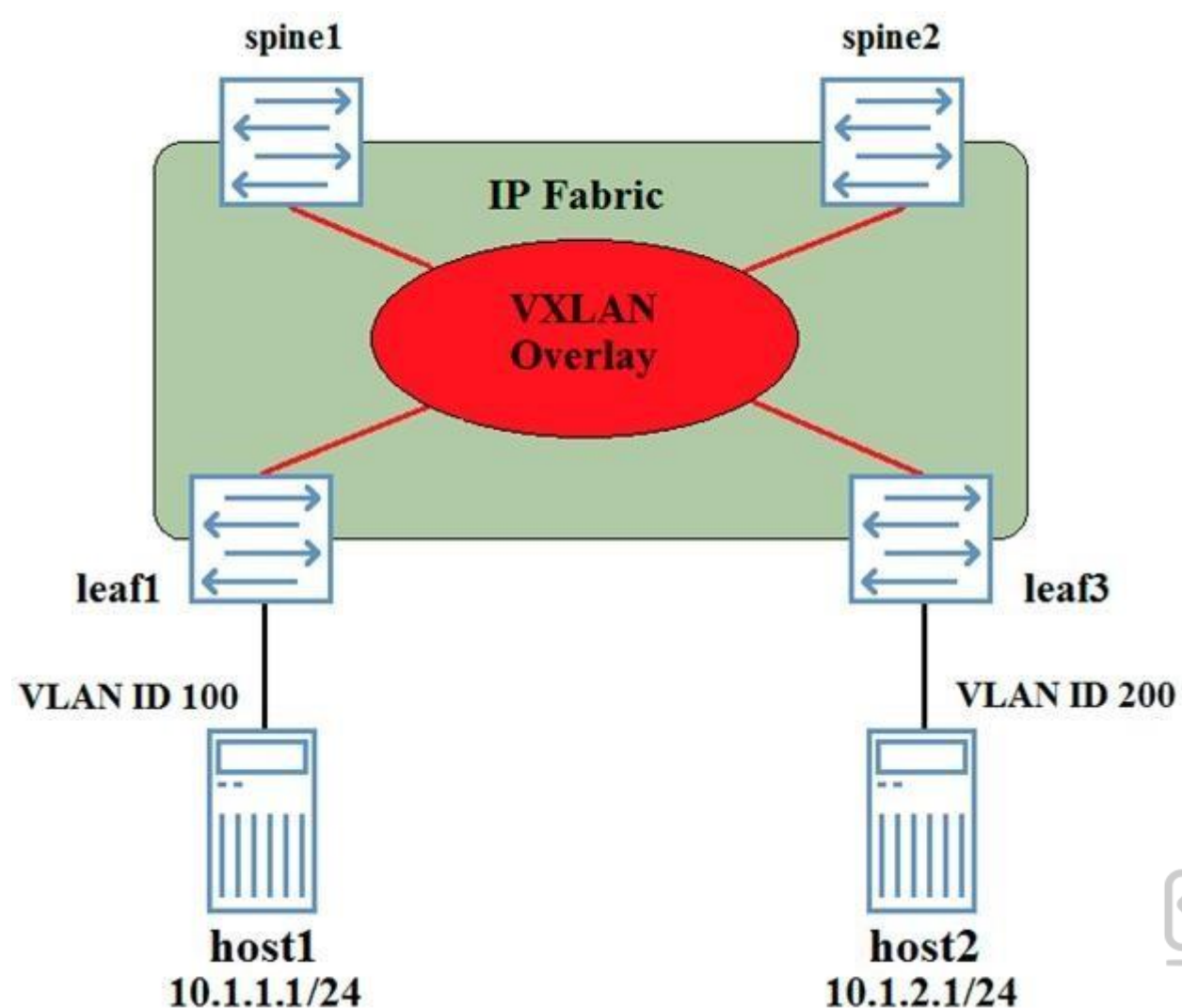
Explanation

Explanation/Reference:

QUESTION 53

You have deployed a VXLAN as shown in the exhibit Leaf1, leaf3, spine1, and spine2 have been configured as VTEPs. Host1 cannot communicate with host2.





Referring to the exhibit, how would you solve this problem?

- A. The VLAN ID on the link connected to host2 must be changed to VLAN 100.
- B. A DCI connection must be created between the VLANs.
- C. A Layer 3 VXLAN gateway must be configured on at least one of the devices.
- D. Host1 and host2 must be placed in the same VRF.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

You are creating a new EVPN and are asked to selectively accept certain MAC advertisement routes from your EVPN peers using VXLAN encapsulation.

Which statement is correct in this scenario?

- A. You can use MAC filtering to filter out unwanted routes.
- B. You can use VRF import policies and route distinguisher values to filter out unwanted routes.
- C. You can use VRF import policies and community values to filter out unwanted routes.
- D. You can use firewall filters to filter out unwanted routes.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

You have configured MP-IBGP to support EVPN for your overlay network. However, you are not seeing the expected routes on your edge devices.

```
Peer: 10.255.14.182+179 AS 69      Local:
10.255.14.176+2131 AS 69
  Type: Internal      State: Established      Flags:
<ImportEval>
  Last State: OpenConfirm      Last Event:
RecvKeepAlive
  Last Error: None
  Options: <Preference LocalAddress HoldTime
GracefulRestart AddressFamily      Rib-group
Refresh>
  Address families configured: inet-vpn-unicast
evpn
  Local Address: 10.255.14.176 Holdtime: 90
Preference: 170
  Number of flaps: 0
  Peer ID: 10.255.14.182      Local ID:
10.255.14.176      Active Holdtime: 90
  Keepalive Interval: 30
  NLRI for restart configured on peer: inet-vpn-
unicast 12vpn
  NLRI advertised by peer: inet-vpn-unicast
12 vpn
  NLRI for this session: inet-vpn-unicast
  Peer supports Refresh capability (2)
  Restart time configured on the peer: 120
  Stale routes from peer are kept for: 300
  Restart time requested by this peer: 120
```



Referring to the exhibit, how would you solve this problem?

- A. The family evpn signaling parameter must be configured on the remote peer.
- B. Graceful restart must be disabled for this session.
- C. The group types on both devices should be set to external.
- D. The family 12vpn signaling must be configured on the local peer.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56 Your manager asks you to secure ARP and DHCP traffic across your local Ethernet links.

In this scenario, which technology will accomplish this task?

- A. SSL
- B. a firewall filter
- C. IPsec
- D. MACsec

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57 Which protocol replicates forwarding information between MC-LAG peers?

- A. VCCP
- B. ICCP
- C. VRRP
- D. LLDP

Correct Answer: B

Section: (none)

Explanation



Explanation/Reference:

QUESTION 58 Which two statements are true about Virtual Chassis? (Choose two.)

- A. The `request virtual-chassis mode fabric reboot` command will set the Virtual Chassis to fabric mode with similar devices.
- B. The `request virtual-chassis mode fabric reboot` command will set the Virtual Chassis to mixed mode.
- C. By default, Junos switches are in a non-mixed mode Virtual Chassis.
- D. By default, Junos switches are in mixed mode Virtual Chassis.

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59 What are two valid types of VXLAN signaling? (Choose two.)

- A. EVPN
- B. RSVP
- C. RSTP
- D. MPLS

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

You are deploying a VXLAN using EVPN signalling overlay network in your new data center. You are able to establish your MP-BGP peering sessions and see your EVPN routes, but traffic will not traverse the VXLAN using EVPN signalling overlay network.

What is a solution to this problem?

- A. Increase the MTU on the logical VTEP source interface of all devices participating in VXLAN using EVPN signaling.
- B. Enable the mtu-discovery feature on the MP-BGP peering sessions between all VXLANs using EVPN signalling peers.
- C. Increase the protocol MTU on all devices participating in VXLAN using EVPN signalling.
- D. Increase the physical MTU on all ports on all devices participating in VXLAN using EVPN signalling.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

You are asked to configure VXLAN for your data center using multicast to exchange VTEP information.

In this scenario, which two configuration parameters must match on the VTEPs in the same VXLAN segment? (Choose two.)

- A. multicast group
- B. VLAN ID
- C. routing instance name
- D. VNI

Correct Answer: AD

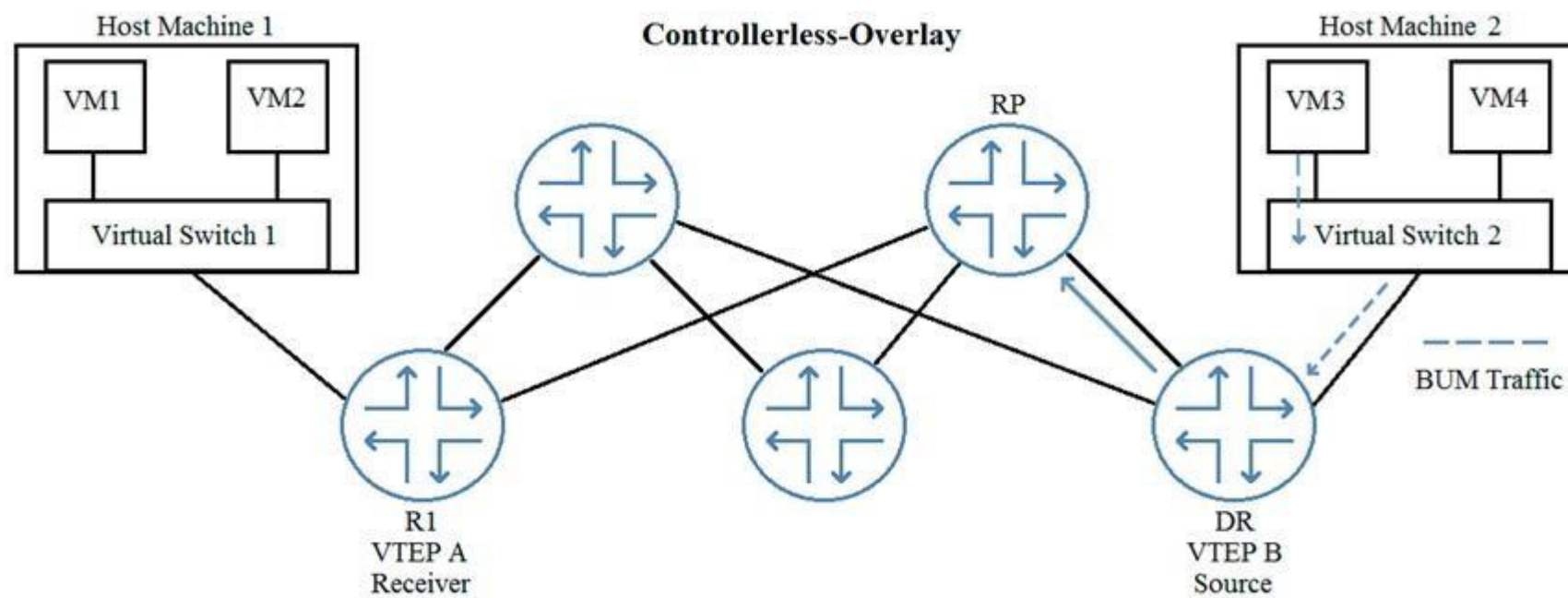
Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

In the exhibit, VM1 is part of the same VXLAN segment as VM3.



Which type of message will VTEP B initially send to the RP so that VM3 can communicate with VM1?

- A. PIM join
- B. PIM register message
- C. IGMP Join (S,G)
- D. IGMP Join (*,G)

Correct Answer: B

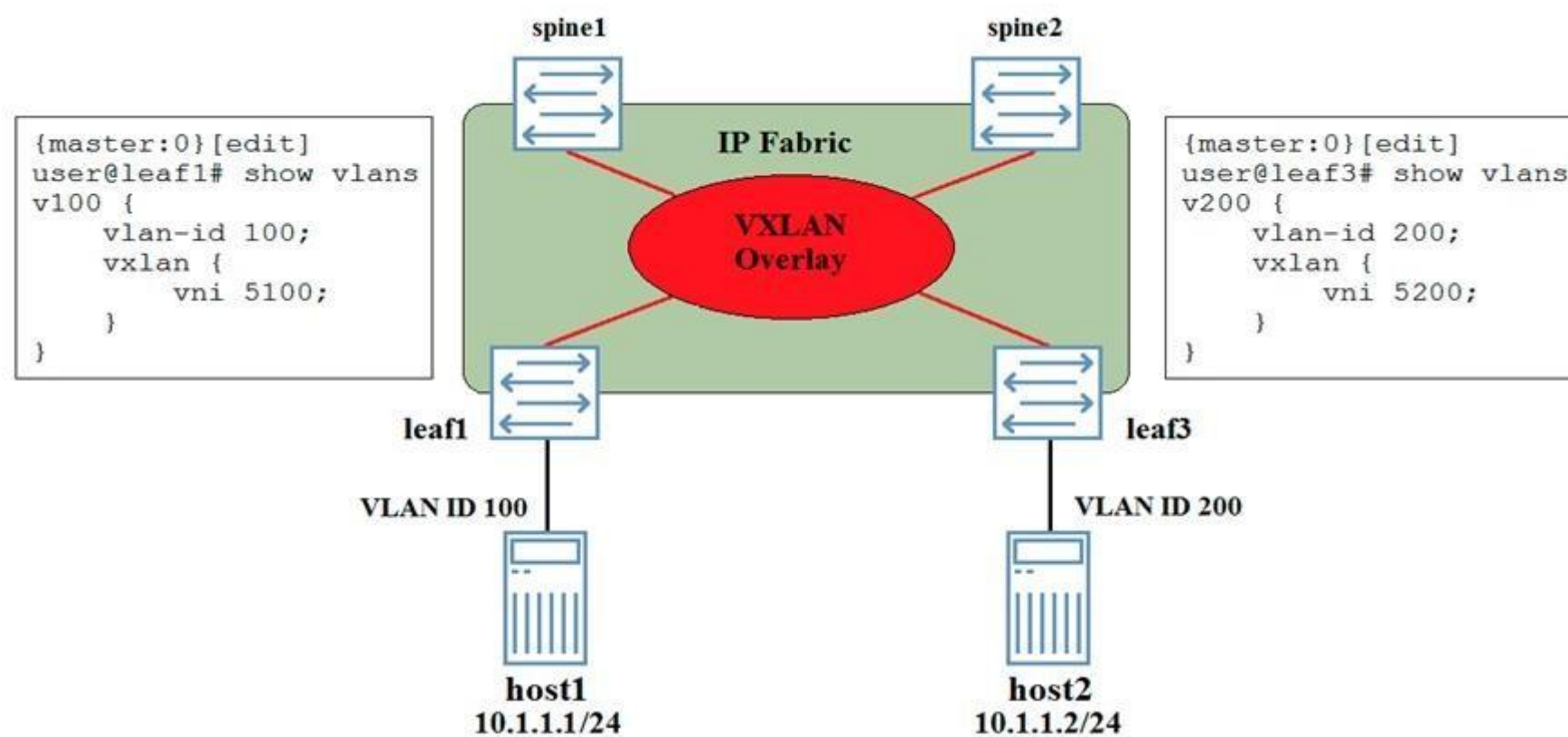
Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

Devices spine1 and spine2 have been configured as distributed Layer 3 gateways in the VXLAN topology, and devices leaf1 and leaf3 have been configured as Layer 2 gateways. Device host1 must be able to communicate with device host2.



Referring to the exhibit, which two statements are true? (Choose two.)

- A. An IRB interface must be configured on devices leaf1 and leaf2.
- B. Traffic from host1 to host2 will transit the VXLAN tunnel from leaf1 to leaf3.
- C. Traffic from host1 to host2 will transit a VXLAN tunnel to spine1 or spine2, then a VXLAN tunnel from spine1 or spine2 to leaf3.
- D. An IRS interface must be configured on devices spine1 and spine2.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

Referring to the exhibit, what would cause the problem on VCP 0/50?

```
{master:0}
user@gfx1> show virtual-chassis vc-port
```

```
fpc0:
```

```
-----
```

Interface	Type	Trunk	Status
Speed	Neighbor		
or	(mbps)	ID	
PIC / Port		ID Interface	
0/50	Configured	-1	Down
40000			

- A. The VCP has been disabled through configuration.
- B. The remote side is not configured as a VCP.
- C. VCP 0/50 is configured as a network port.
- D. The port is missing the interface hardware.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 65 You want to ensure high availability of the Junos devices in your data center.

In this scenario, which three features would accomplish this task? (Choose three.)

- A. Virtual Router Redundancy Protocol
- B. Multiple Spanning Tree Protocol
- C. dual Routing Engines
- D. virtual private LAN service
- E. graceful Routing Engine switchover

Correct Answer: ACE

Section: (none)

Explanation

Explanation/Reference: