



Juniper

Exam Questions JN0-681

Data Center - Professional (JNCIP-DC)

NEW QUESTION 1

A client with five data centers spread around the country uses MPLS L2VPNs to provides point-to-point data center interconnect between each data center in a full-mesh network. The client is considering an MPLS EVEN implementation.

In this scenario, what are three advantages of using MPLS EVEN interconnects? (Choose two.)

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

Answer: BCD

NEW QUESTION 2

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

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

Answer: D

NEW QUESTION 3

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. EVPN
- C. PIM
- D. BOP

Answer: C

NEW QUESTION 4

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

Answer: B

NEW QUESTION 5

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

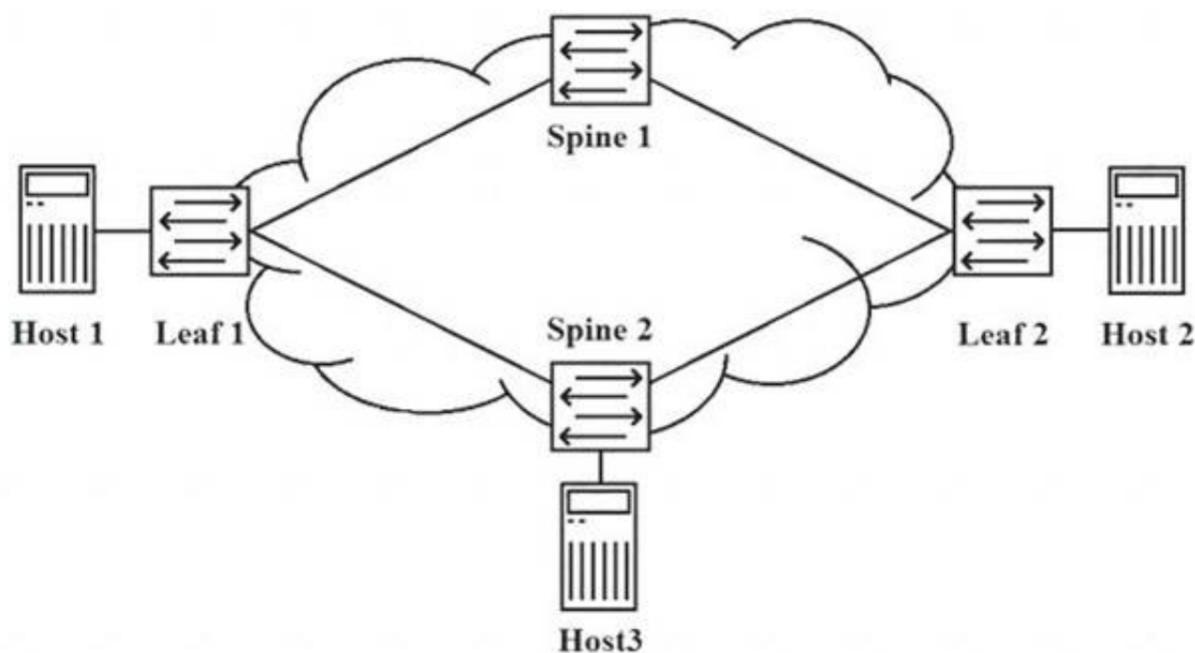
- A. The TTL is decremented by two and placed in the VXLAN header.
- B. The QoS markings are placed in the VXLAN header.
- C. The VLAN-ID is placed in the VXLAN header.
- D. A VNI that maps to the VLAN-ID placed in the VXLAN header.

Answer: D

NEW QUESTION 6

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

**IP Fabric
EVPN-VXLAN Overlay**



In this scenario, which statement is true?

- A. Leaf 2 learn Host 1's MAC address through periodic updates from Spine 2
- B. Leaf 2 learn Host 1's MAC address when Host 3 learns Host 1's MAC address.
- C. Leaf 2 learn Host 1's MAC address when Leaf 1 queries Host 1.
- D. Leaf 2 does not learn Host 1's MAC address until Host1 and Host2 send traffic to each other

Answer: B

NEW QUESTION 7

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

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

Answer: AD

NEW QUESTION 8

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 PE2 to all-active
- B. Change the ESI mode on PE1 to signal-active
- C. Change the ESI value on the PE1 device to 00.22.44.88.00.22.44.66.88
- D. Change the ESI value on the PE2 device to 00.00.00.00.00.00.00.00.00.00

Answer: AC

NEW QUESTION 9

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

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

Answer: CD

NEW QUESTION 10

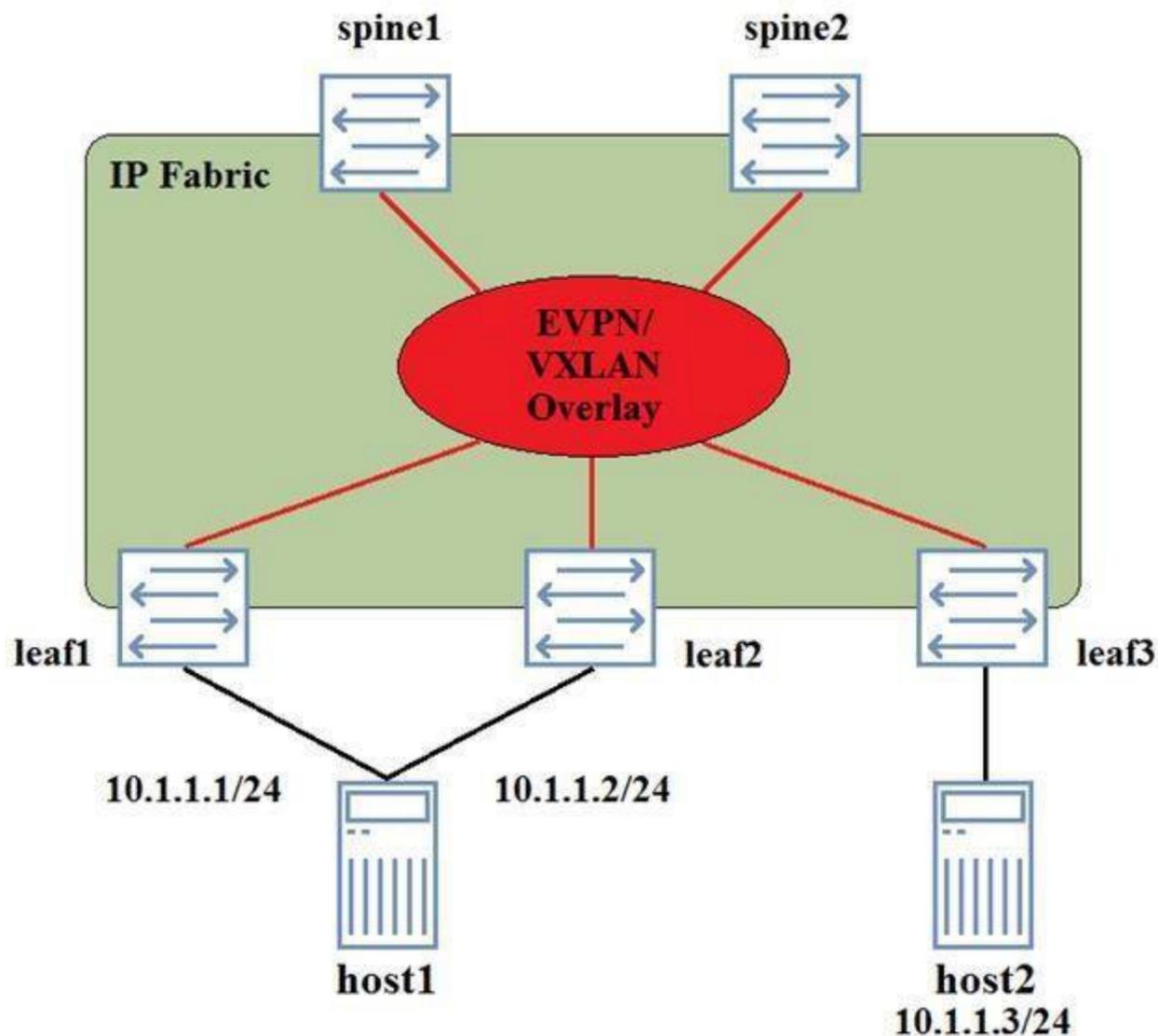
You are building a new IP fabric data center underlay network and want to ensure predicted load-balancing behavior for traffic, traversing the fabric. What are two approaches you should take to satisfy the requirement in this scenario? (Choose two.)

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

Answer: AC

NEW QUESTION 10

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

Answer: CD

NEW QUESTION 12

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

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

Answer: AD

NEW QUESTION 17

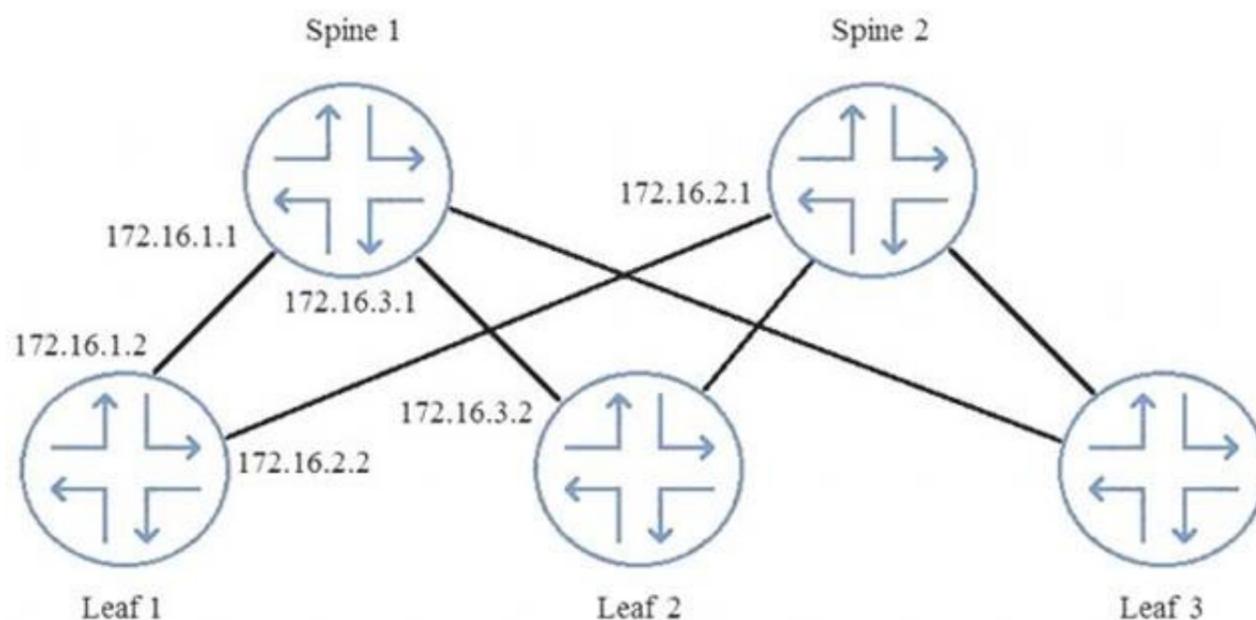
Which two statements describe EVPN based VXLAN implementations? (Choose two.)

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

Answer: AC

NEW QUESTION 21

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.

Answer: CD

NEW QUESTION 25

You are deploying a VXLAN using signaling overlay network in your new data center. You are able to establish your MP BGP peering session and see your EVPN routes, but traffic will not traverse the VXLAN using signaling overlay network. What is a solution to this problem?

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

Answer: D

NEW QUESTION 28

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}
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    vlan {
      members vl15;
    }
  }
}
```

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user@gfx2# show
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    system-id 01:01:01:01:01:01;
    admin-key 1;
  }
  mc-ae {
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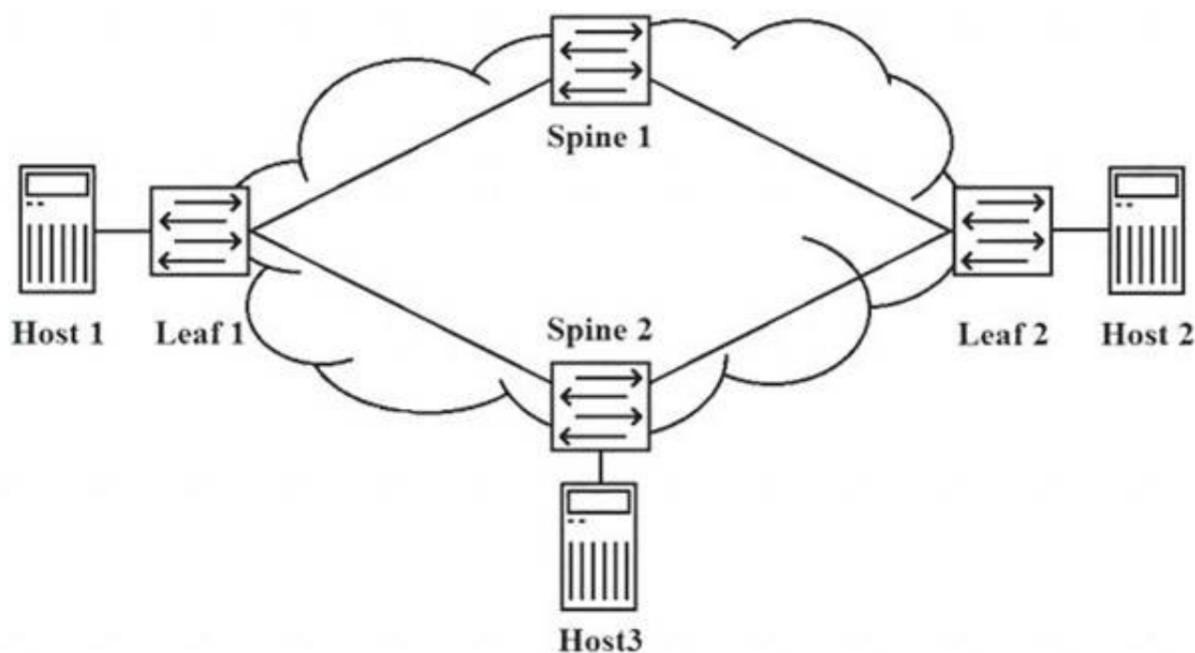
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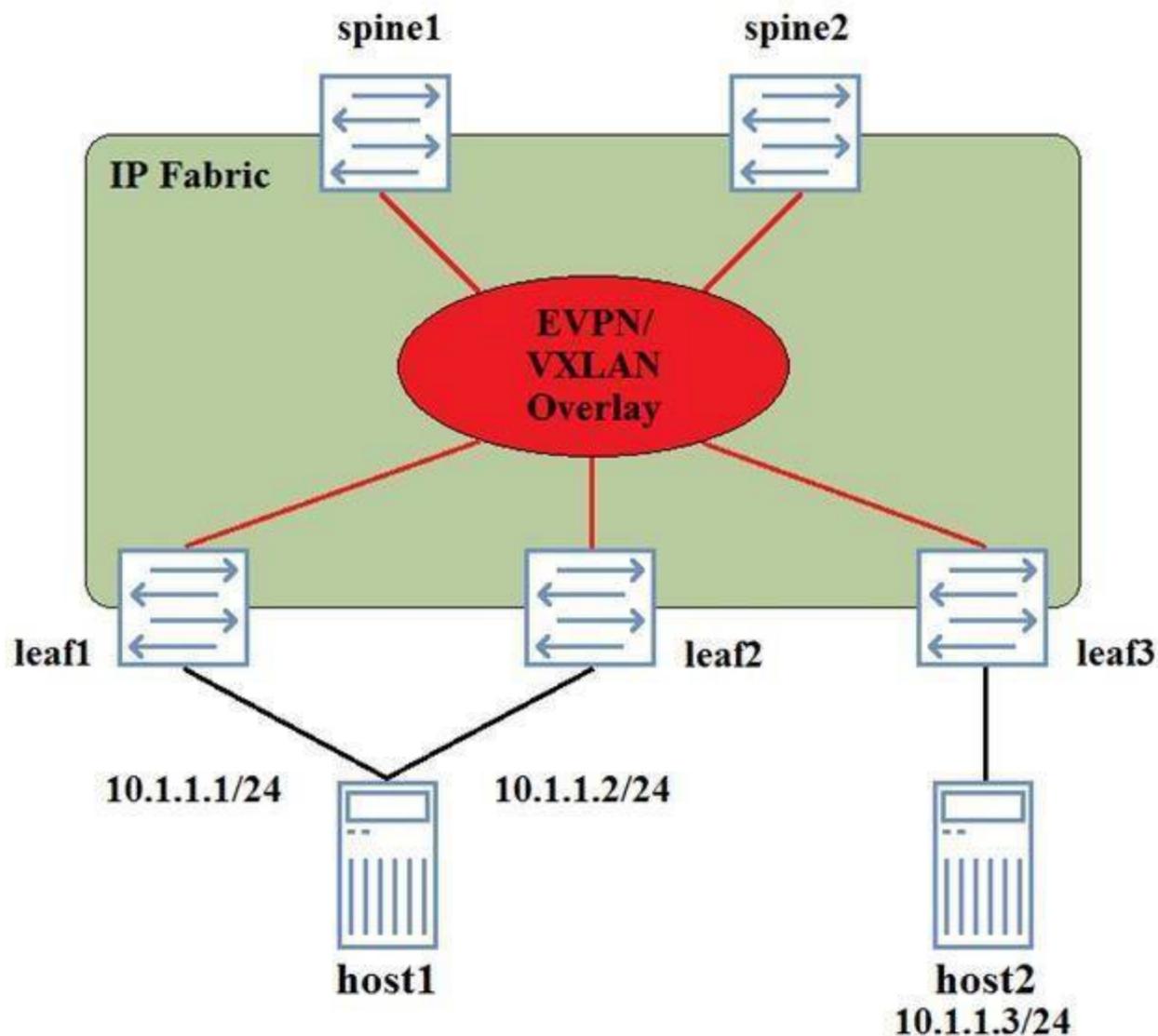
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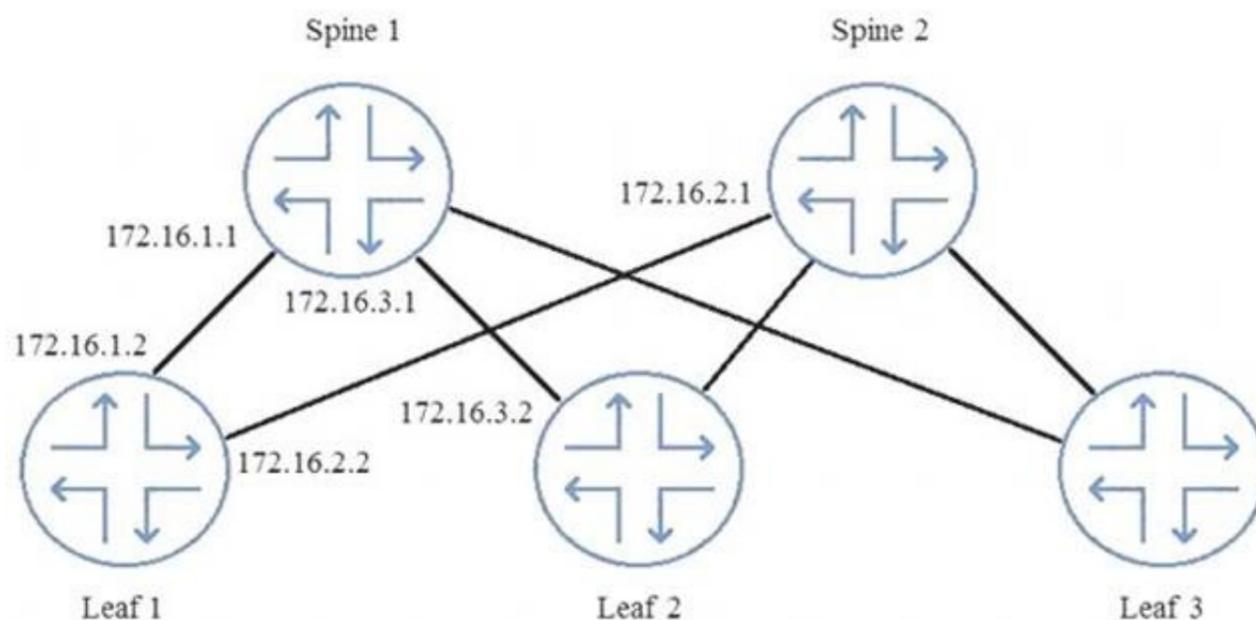
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Answer: D

NEW QUESTION 28

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