

Exam Questions JN0-681

Data Center - Professional (JNCIP-DC)

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NEW QUESTION 1

You are implementing perimeter security for your data center. You need to inspect all traffic 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. MX with MC LAG
- B. QFX Virtual Chassis
- C. SRX Chassis cluster
- D. SRX using LAG

Answer: C

NEW QUESTION 2

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 3

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 4

Which protocol replicates forwarding information between MC-LAG peers?

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

Answer: B

NEW QUESTION 5

Which protocol replicates forwarding information between MC-LAG peers?

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

Answer: B

NEW QUESTION 6

After configuring an IP fabric using EBGp as your protocol, you notice that not all of the routers are showing up in the routing tables. You have verified that all adjacencies have formed, and are 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 bfd-1 Liveness-detection parameter.
- C. The routers have not been configured using the multipath parameter.
- D. The routers have not been configured using the add-path parameter

Answer: A

NEW QUESTION 7

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

Answer: C

NEW QUESTION 8

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 ael]
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 vl5;
    }
  }
}
```

```
{master:0}[edit interfaces ael]
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 vl5;
    }
  }
}
```

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 9

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
```

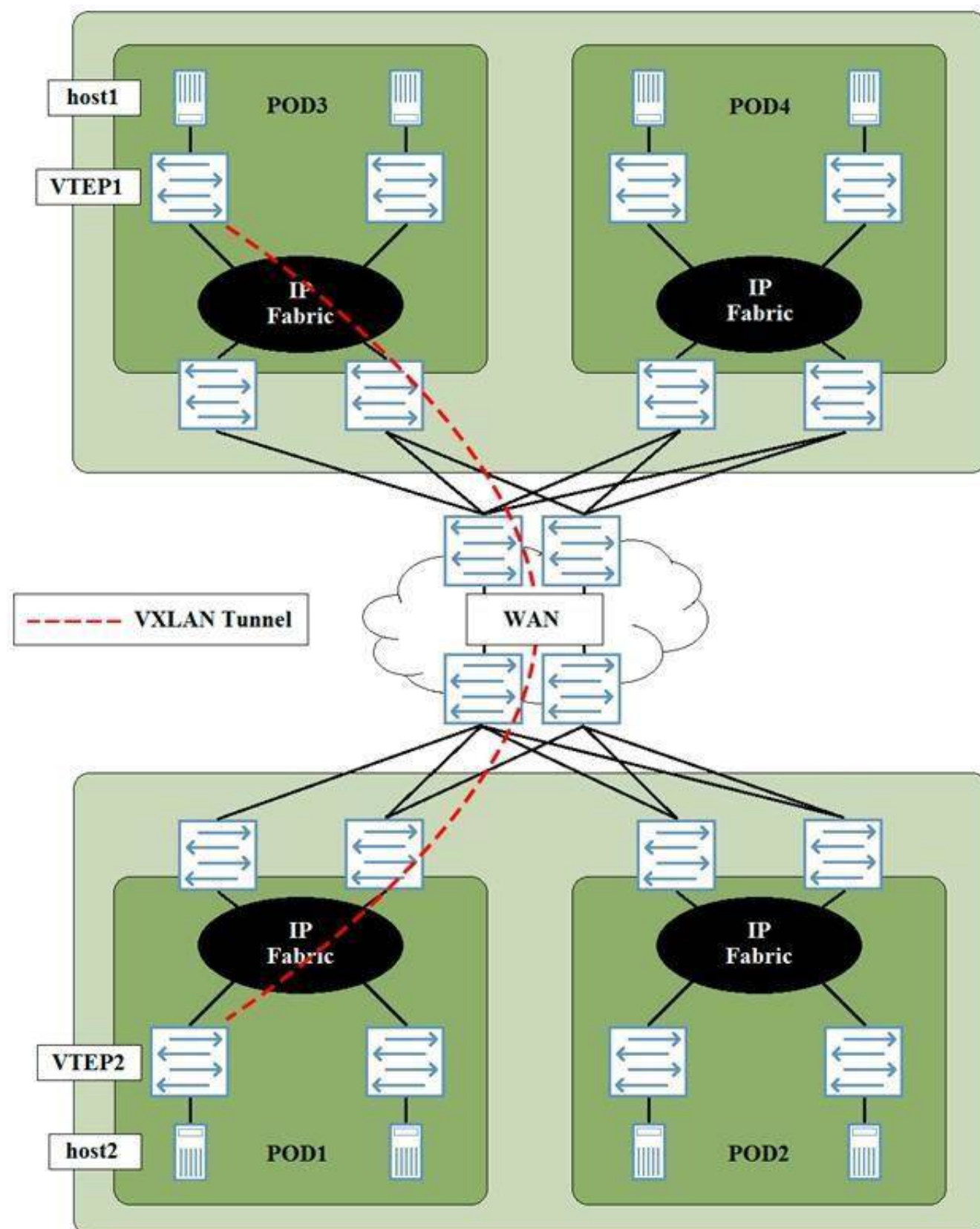
Referring to the exhibit, how would you solve this problem?

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

Answer: A

NEW QUESTION 10

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.



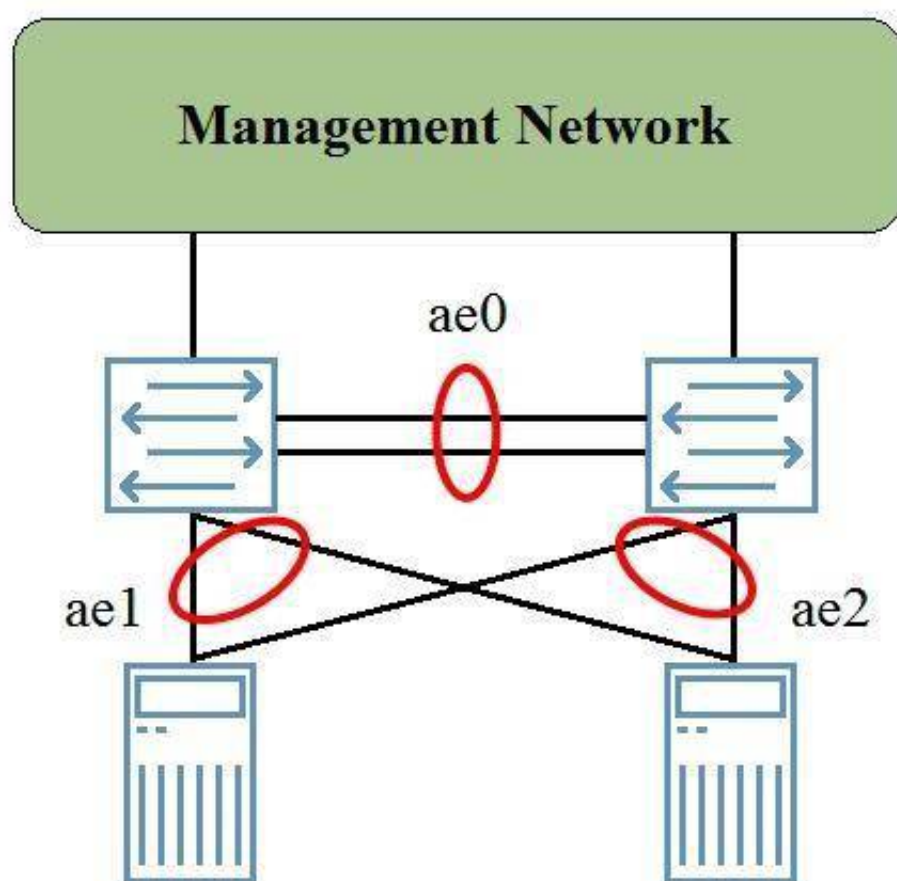
In this scenario, which statement is true?

- A. A route to the loopback address on VTEP must be present on VTEP1.
- B. VTEP and VTEP2 must peer using IBGP.
- C. VXLAN Layer 3 gateway must be provisioned at the Super Spine layer.
- D. The service provider WAN connection be an MPL5-based WAN connection.

Answer: A

NEW QUESTION 10

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

Answer: A

NEW QUESTION 12

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 16

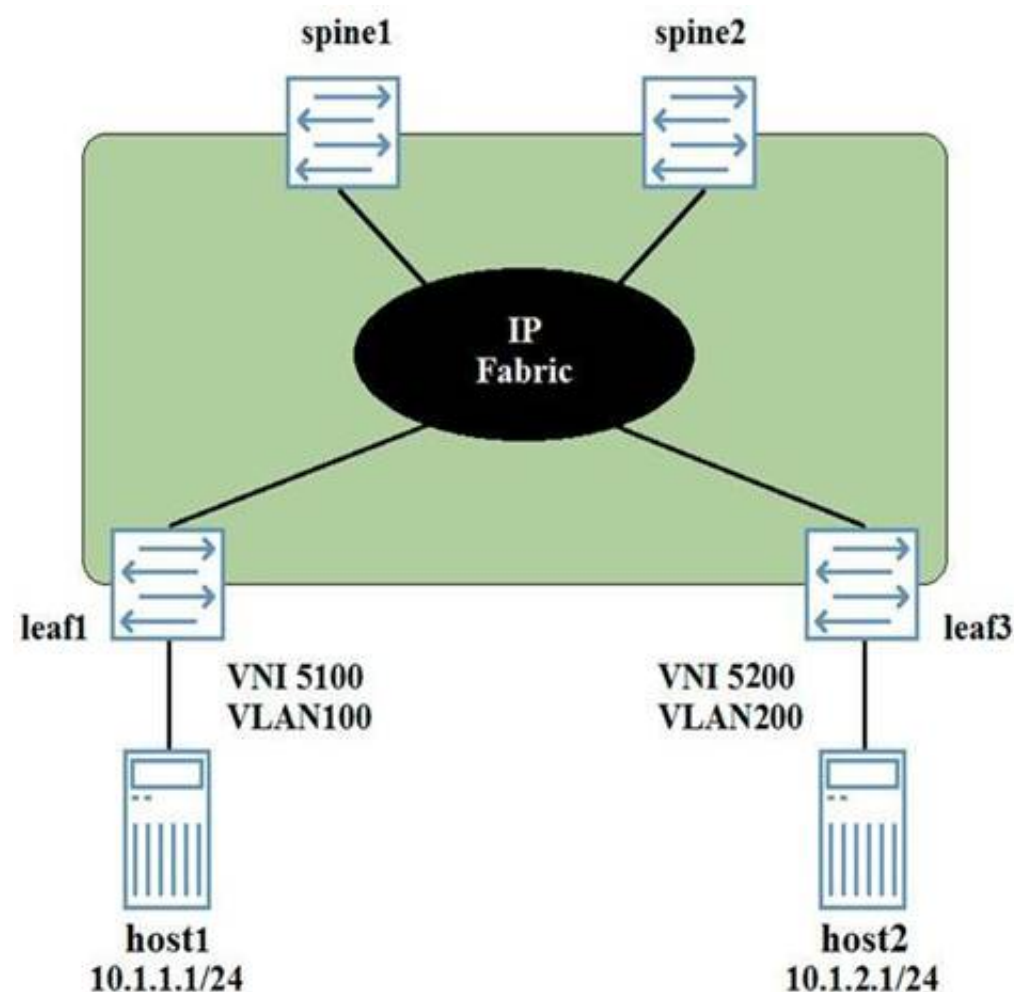
You are designing a Layer 3 fabric underlay using EBGp. You will implement an E VPN-signaled VXLAN overlay on the Layer 3 fabric. In this scenario, what must you do in the underlay to ensure that the VXLAN overlay will be able to function properly?

- A. The underlay should support the PIM protocol
- 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 advertise the host connected interlaces on all leaf device

Answer: B

NEW QUESTION 17

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

Answer: AD

NEW QUESTION 20

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

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

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

Answer: AD

NEW QUESTION 25

Which two statements describe a VXLAN network identifier (VNI)? (Choose Two)

- A. A VNI identifies the inner MAC frame.
- B. A VNI identifies a VXLAN segment ID.
- C. A VNI allows only 512 VLANs.
- D. A VNI validates the remote VTEP.

Answer: BD

NEW QUESTION 27

Which EVPN router type prevents BUM traffic from looping back to a multihued host?

- A. Ethernet segment router
- B. IP prefix route
- C. Ether auto discovery route

D. Inclusive multicast-Ethernet tag route

Answer: C

NEW QUESTION 32

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 36

Which EVPN route type would be used in DCI situation in which the IP subnets between data center are complete unique?

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

Answer: D

NEW QUESTION 41

Which statement is true about a Data center interconnect over an IP network?

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

Answer: C

NEW QUESTION 46

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

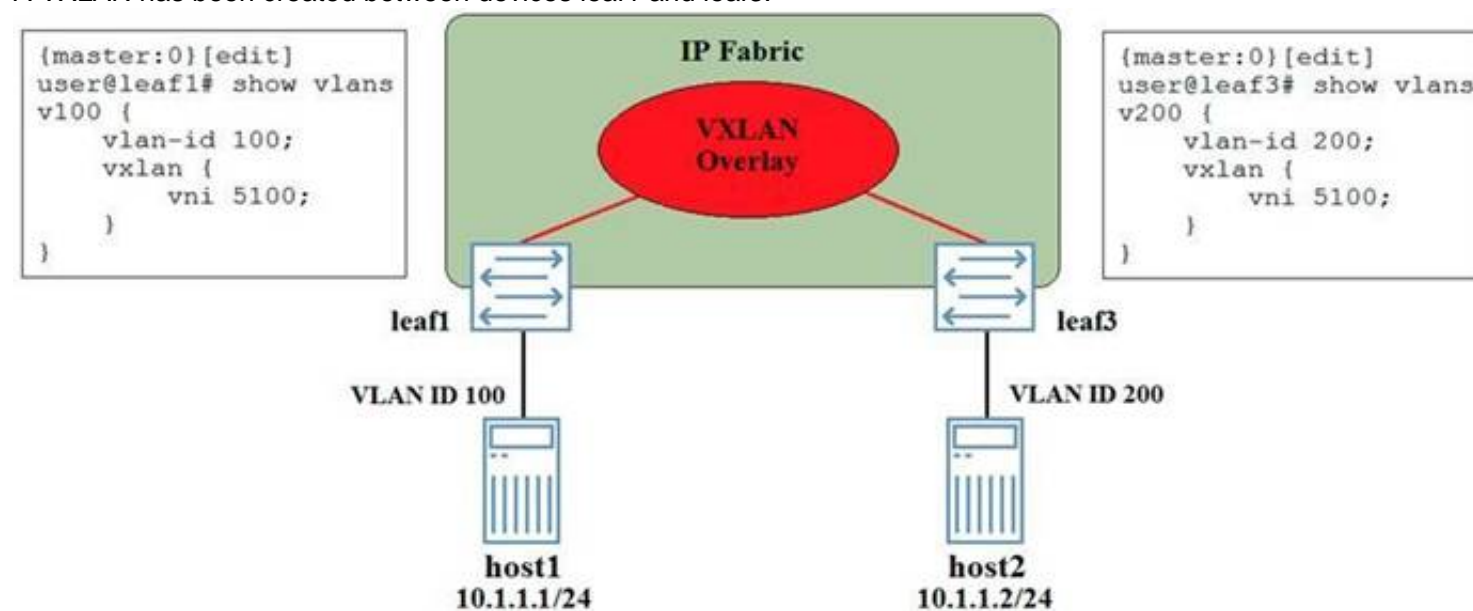
What will satisfy the customer's requirements?

- A. Bridge domains
- B. Tenant systems
- C. Logical systems
- D. Routing instances

Answer: C

NEW QUESTION 50

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

Answer: A

NEW QUESTION 55

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

Answer: A

NEW QUESTION 59

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

Answer: BC

NEW QUESTION 64

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 68

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

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

Answer: BC

NEW QUESTION 73

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
```

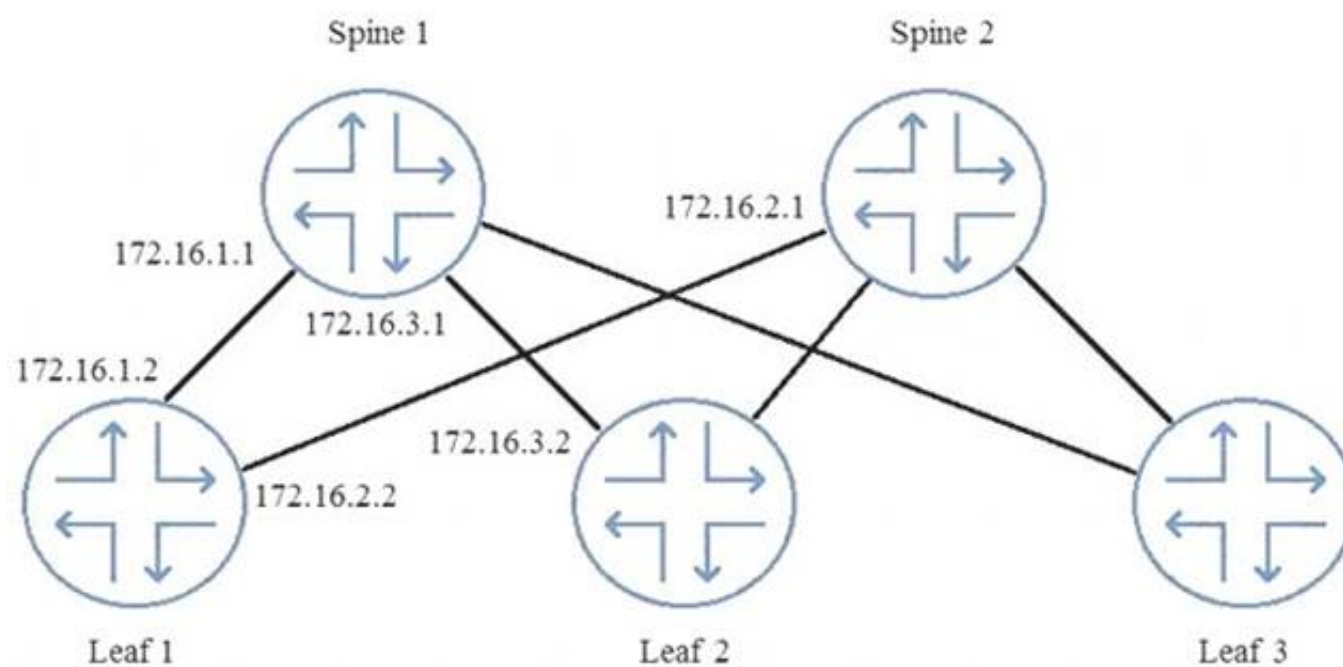
Vlan	MAC	MAC
Logical	Active	
name	address	flags
interface	source	
v15	52:54:00:2c:4b:a2	D
vtep.32771	192.168.100.13	
v15	52:54:00:5e:88:6a	D
xe-0/0/0.0		

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

Answer: AC

NEW QUESTION 77

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 79

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

Answer: B

NEW QUESTION 81

You are creating a new EVPN and are asked to selectively accept certain MAC advertisement routers from your EVPN peers using VXLAN Encapsulation. Which statements is correct in this scenario?

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

Answer: B

NEW QUESTION 82

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