



# JN0-682<sup>Q&As</sup>

Data Center Professional (JNCIP-DC)

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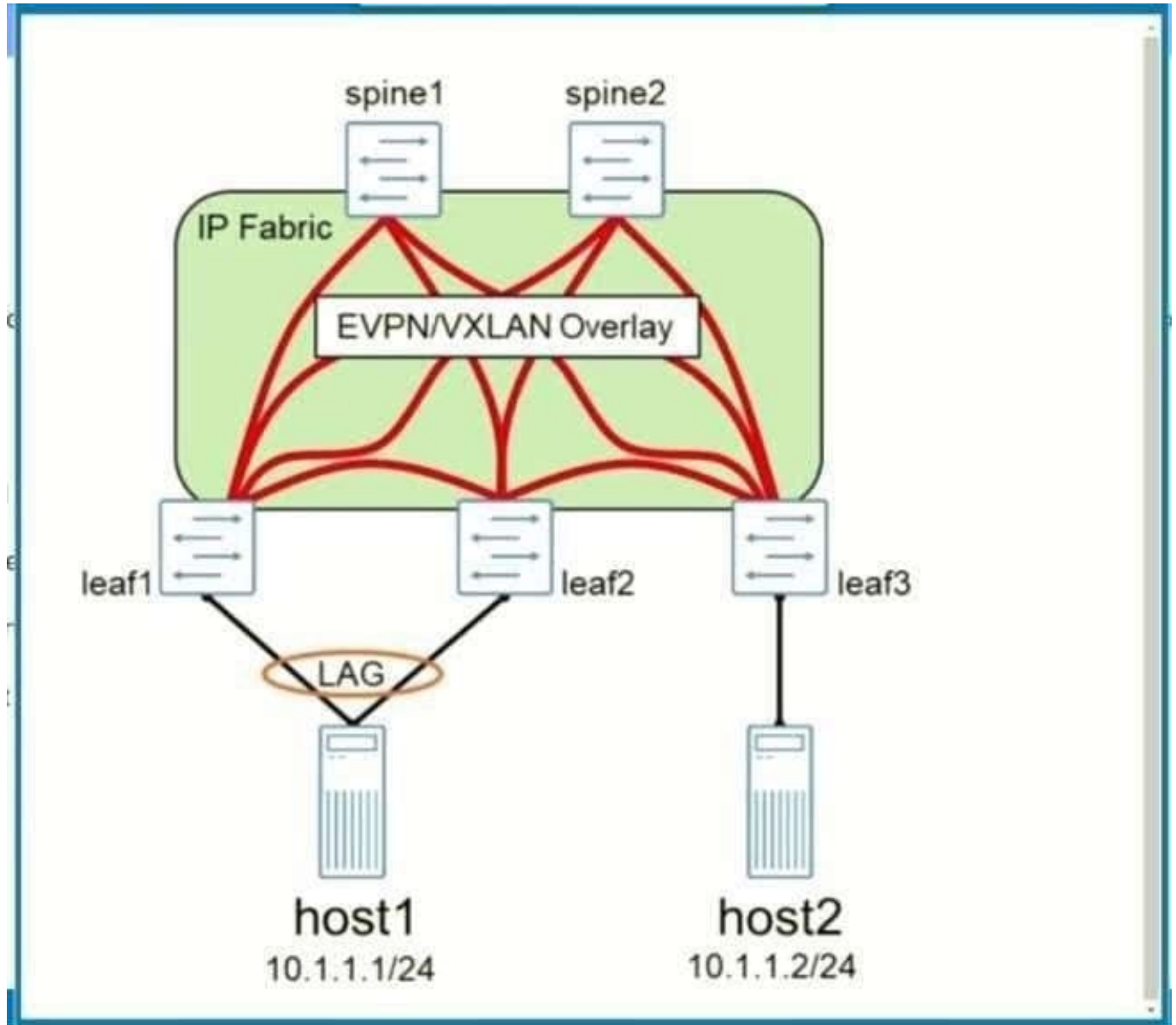
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**QUESTION 1**

An EVPN-signaled VXLAN overlay has been deployed in the network shown in the exhibit. An EVPN LAG has been configured to connect host1 to the network, and device leaf1 has been elected as the designated forwarder.



In this scenario, which statement is true?

- A. The leaf3 device can utilize both leaf1 and leaf2 to forward unicast packets from host2 to host1.
- B. An ICCP control link must be configured between leaf1 and leaf2.
- C. The leaf3 device will only receive an advertisement to the LAG segment from leaf1.
- D. Broadcast packets sent from host2 will not be forwarded to leaf2.

Correct Answer: C



### QUESTION 2

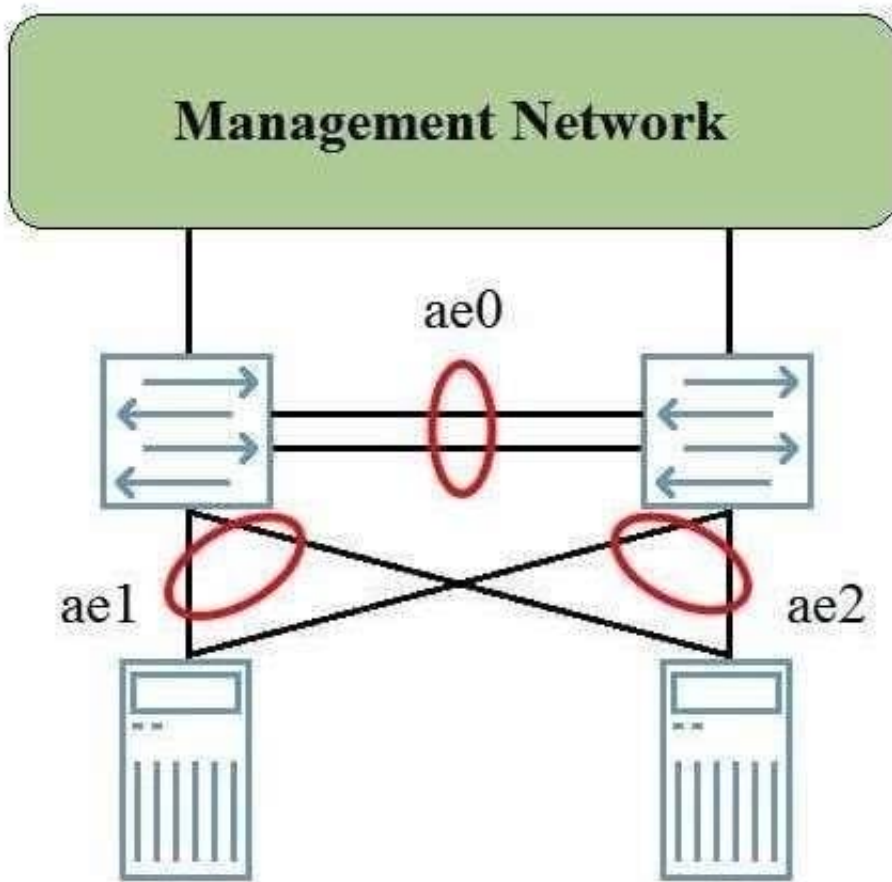
Which two combinations are supported when configuring a Virtual Chassis Fabric? (Choose two.)

- 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

Correct Answer: BC

### QUESTION 3

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

Correct Answer: A

#### QUESTION 4

Referring to the exhibit, which statement is correct?

```
Exhibit
(master:0)
user@leaf1> show mac-vrf forwarding interface vtep.32769
Routing Instance Name : mac-vfr310410-vlan-aware
Logical Interface flags (DL - disable learning, AD - packet action drop,
                        LH - MAC limit hit, DH - interface down,
                        MMAS - Mac-move action shutdown, AS - Autostate-exclude enabled,
                        SCTL - shutdown by Storm-control, MI - MAC+IP limit hit)

Logical      Vlan      TAG  MAC  MAC+IP  STP      Logical      Tagging
interface    members
vtep.32769   v410      410  0    0       Forwarding  tagged
              v310      310  0    0       Forwarding  tagged
```

- A. Leaf1 has not learned any MAC addresses
- B. Leaf3 is the remote tunnel endpoint.
- C. One tunnel is servicing multiple VLANs
- D. Spanning Tree Protocol is disabled

Correct Answer: C

#### QUESTION 5

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 1.1ratio. In this scenario, which two actions would you take to achieve this goal? (Choose two.)

- A. Reduce the number of leaf nodes on your design.
- B. Increase the number of spine nodes in your design.



- C. Increase the number of server facing ports that each leaf node uses to carry traffic.
- D. Reduce the number of server facing that each leaf node uses to carry traffic.

Correct Answer: BD

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#### QUESTION 6

You are evaluating which method to use for learning MAC addresses in your VXLAN network. Which statement is true in this scenario?

- A. Multicast exchanges MAC addresses through data plane learning and is more reliable than EVPN.
- B. EVPN exchanges MAC addresses through control plane learning and is more reliable than multicast.
- C. EVPN exchanges MAC addresses through data plane learning and is more reliable than multicast.
- D. Multicast exchanges MAC addresses through control plane learning and is not more reliable than EVPN.

Correct Answer: B

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#### QUESTION 7

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: BC

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#### QUESTION 8

What are two types of EVPN routes? (Choose two.)

- A. ES-Import route target
- B. Ethernet segment
- C. MAC mobility
- D. MAC advertisement



Correct Answer: BD

### QUESTION 9

You are troubleshooting a traditional Clos Layer 3 IP fabric in your data center. You are reviewing the BGP configuration for one of your spine devices.

```
Exhibit
protocols {
  bgp {
    group Clos_Fabric {
      type external;
      local-as 65001;
      multipath {
        multiple-as;
      }
      neighbor 172.16.1.6 {
        peer-as 65003;
      }
      neighbor 172.16.1.10 {
        peer-as 65004;
      }
      neighbor 172.16.1.14 {
        peer-as 65005;
      }
    }
  }
}
```

Referring to the exhibit, which statement is correct?

- A. This spine device will not install multiple next hops for remote destinations in its routing table.
- B. This spine device will not install any routes for remote destinations in its routing table.
- C. This spine device has three neighboring leaf devices.
- D. This spine device has three neighboring spine devices.

Correct Answer: C

### QUESTION 10

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 subscription combination would be used to accomplish this task?

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



D. DHCP option 43 a suboption of 01.

Correct Answer: D

### QUESTION 11

When considering VRF routing-instances for network segmentation, which two statements are true? (Choose two.)

- A. A logical interface can participate in multiple VRFs.
- B. Multiple VRFs on a single device consolidate routing information to a single table.
- C. VRFs have independent routing tables.
- D. VRFs support overlapping subnets.

Correct Answer: CD

### QUESTION 12

The configuration shown in the exhibit is intended to set up assisted replication but will not commit. Which action will create a valid configuration in this situation?

```
192.168.100.1;
  vxlan-encapsulation-source-ip ingress-replication-ip;
}
extended-vni-list All;
}
(master:0)(edit)
user@spine1# show interfaces lo0
unit 0 {
  family inet {
    address 192.168.100.1/32;
    address 192.168.100.51/32;
  }
}
unit 1 {
  family inet {
    address 192.168.100.101/32;
  }
}
```

- A. Change the 10.0 address to 192.168.100.1 primary.
- B. Change the replicator inet address to 192.168.100.101.
- C. Delete replicator inet 192.168.100.1.



D. Change the replicator inet address to 192.168.100. 51.

Correct Answer: B

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### QUESTION 13

You are deploying a 3-stage Clos IP fabric in your data center. In this scenario, which statement is correct?

- A. Each server-facing interface on a leaf node is always three hops away from other server-facing interfaces.
- B. Each spine node must be physically connected to all other spine nodes.
- C. There is an eight-spine node limitation.
- D. No direct physical connections exist between leaf nodes.

Correct Answer: A

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### QUESTION 14

You are deploying a switch using ZTP.

Which two statements are true in this scenario? (Choose two.)

- A. If the switch is already running the referenced image, no action is performed and the switch moves to the next ZTP step in the ZTP process.
- B. Using DHCP Option 150, the DHCP server informs the switch of a software image name.
- C. Using DHCP Option 43 sub option 01, the DHCP server informs the switch of the configuration file name.
- D. If no configuration file is referenced in DHCP Options, the switch downloads a default configuration file from the storage server.

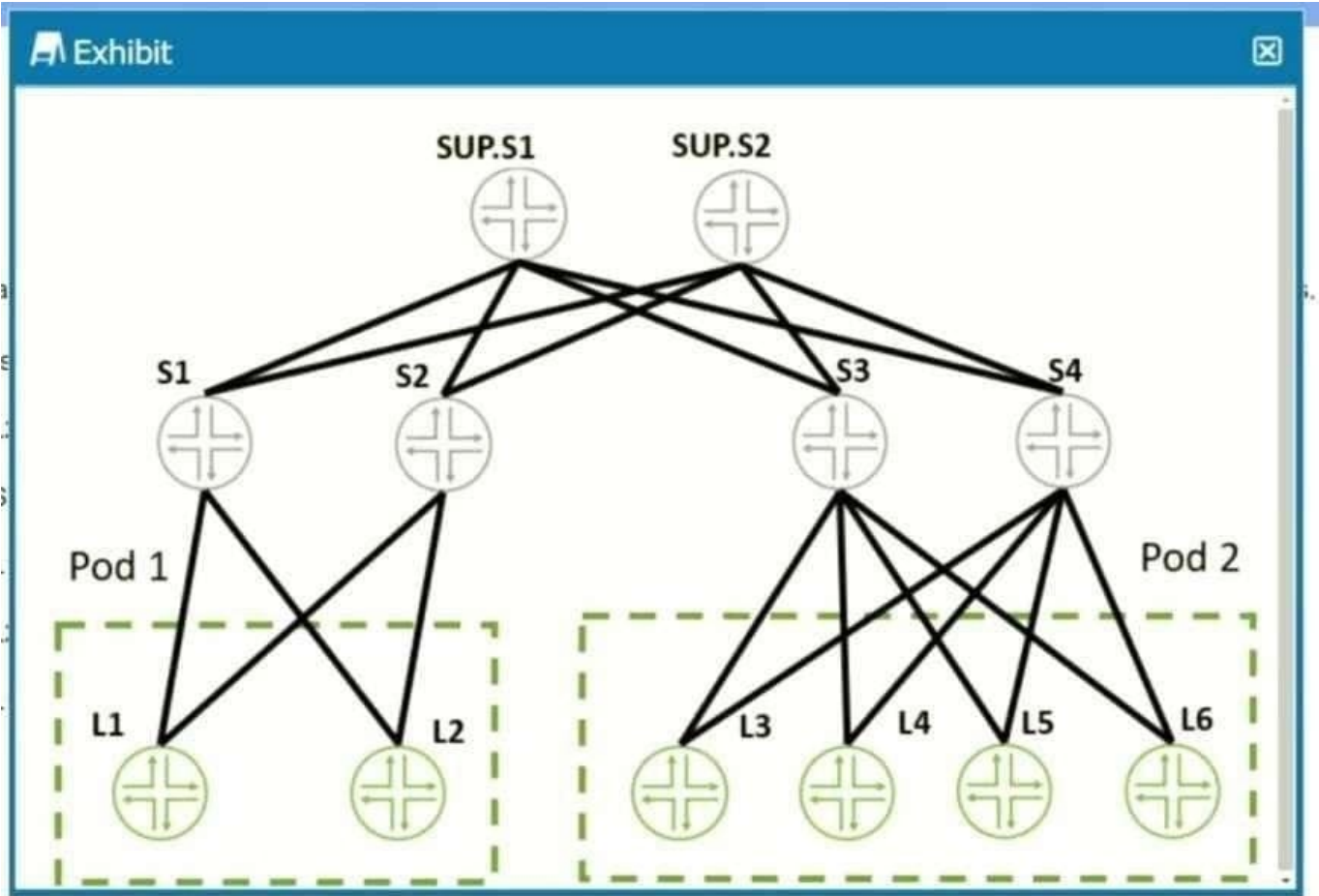
Correct Answer: AD

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### QUESTION 15

Referring to the exhibit, you have a data center with two PODs. Seamless EVPN-VXLAN stitching is used to facilitate communication between the PODs.





Which three statements are true in this scenario? (Choose three.)

- A. AVXLAN tunnel can form between L2 and S1.
- B. A VXLAN tunnel can form between S1 and S2.
- C. AVXLAN tunnel can form between L1 and L2.
- D. AVXLAN tunnel can form between L2 and S3.
- E. AVXLAN tunnel can form between L1 and L4.

Correct Answer: ABD

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