

# JN0-681<sup>Q&As</sup>

New Data Center, Professional

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### **QUESTION 1**

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

### **QUESTION 2**

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 Distimguisher: 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



### **QUESTION 3**

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 v15;
        }
    }
}
```

```
{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 v15;
        }
    }
```

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

### **QUESTION 4**

You are designing an EBGP IP fabric for a multi-site data center. In this scenario, which two statements are true? (Choose two.)

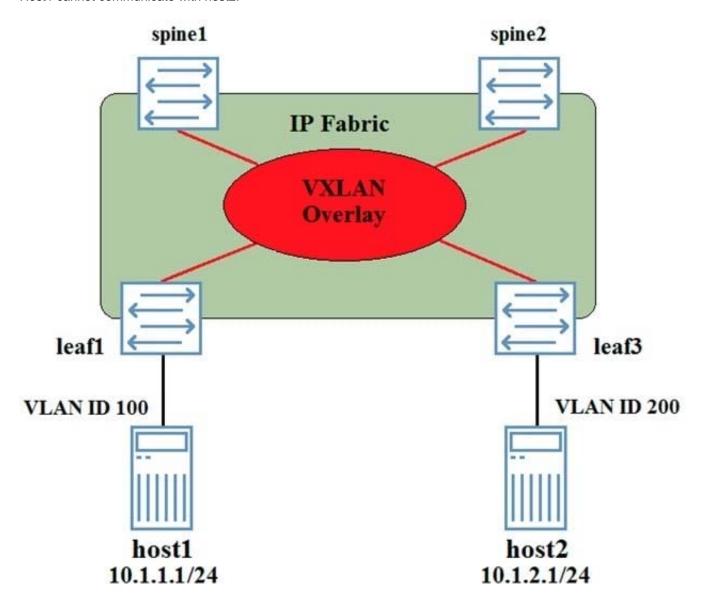
- A. Public AS numbers must be used.
- B. Different AS numbers should be used on all devices.
- C. The same AS number should be used on all devices across all data centers.
- D. Private AS numbers can be used.



Correct Answer: BD

### **QUESTION 5**

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

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### **QUESTION 6**

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

### **QUESTION 7**

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
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.
- D. Change the ESI value on the PE1 device to 00:22:44:66:88:00:22:44:66:88.

Correct Answer: BD

### **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.



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D. Layer 3 data must be encapsulated.

Correct Answer: B

### **QUESTION 9**

You are designing a Layer 3 fabric underlay using EBGP. You will implement an EVPN-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 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

### **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

### **QUESTION 11**

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



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| traffic. |  |  |
|----------|--|--|

Correct Answer: D

### **QUESTION 12**

Which protocol replicates forwarding information between MC-LAG peers?

A. VCCP

B. ICCP

C. VRRP

D. LLDP

Correct Answer: B

### **QUESTION 13**

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

### **QUESTION 14**

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.

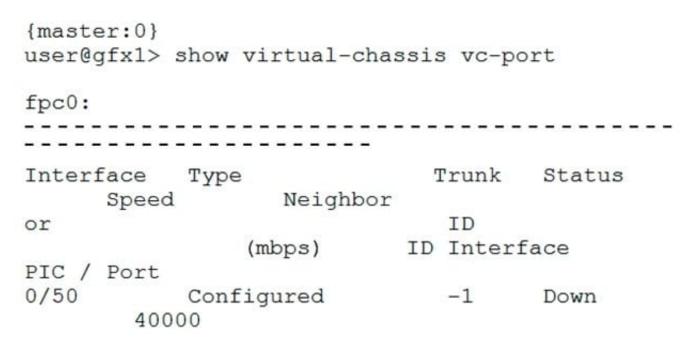
D. Reduce the number of leaf nodes in your design.

Correct Answer: BC

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### **QUESTION 15**

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



- 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

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