



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

Data Center Professional (JNCIP-DC)

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**QUESTION 1**

You administer an EVPN-VXLAN fabric. You notice that there is no VXLAN traffic forwarding through the network.



```
[edit]
user@router# show interfaces et-0/0/49
description facing_spine:et-0/0/0;
mtu 9216;
unit 0 {
    family inet {
        filter {
            input allow-BGP;
        }
        address 10.1.0.15/31;
    }
}

[edit]
user@router# show firewall
family inet {
    filter allow-BGP {
        term 1 {
            from {
                protocol tcp;
            }
        }
    }
}
```



```
[edit]
user@router# show firewall
family inet {
    filter allow-BGP {
        term 1 {
            from {
                protocol tcp;
                destination-port bgp;
            }
            then accept;
        }
        term 100 {
            then {
                reject;
            }
        }
    }
}
```

Referring to the exhibit, which modification will solve the problem?

- A. set firewall family inet filter allow-BGP term 1 from protocol udp set firewall family inet filter allow- BGP term 1 from destination-port 4789
- B. set interfaces et-0/0/49 unit 0 family vxlan
- C. set interfaces et-0/0/49 unit 0 family vpls
- D. set firewall family inet filter allow-BGP term 1 from protocol tcp set firewall family inet filter allow- BGP term 1 from



destination-port 4789

Correct Answer: A

---

## QUESTION 2

Which protocol replicates forwarding information between MC-LAG peers?

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

Correct Answer: B

---

## QUESTION 3

Which two statements are true about VRF routing instances? (Choose two.)

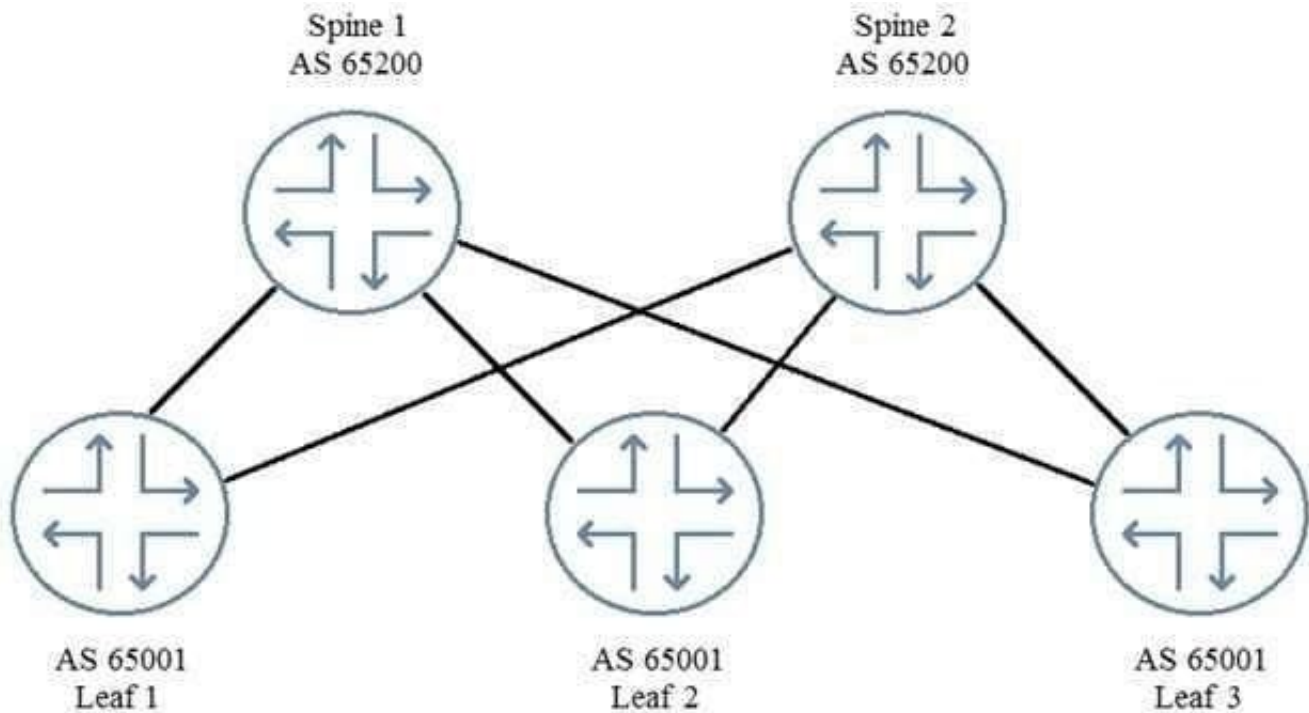
- A. VRF can be used in conjunction with Layer 3 logical interfaces.
- B. Each logical Layer 3 interface can belong to only one routing instance.
- C. Each logical Layer 3 interface can belong to multiple routing instances.
- D. VRF does not enable multitenancy.

Correct Answer: AB

---

## QUESTION 4

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



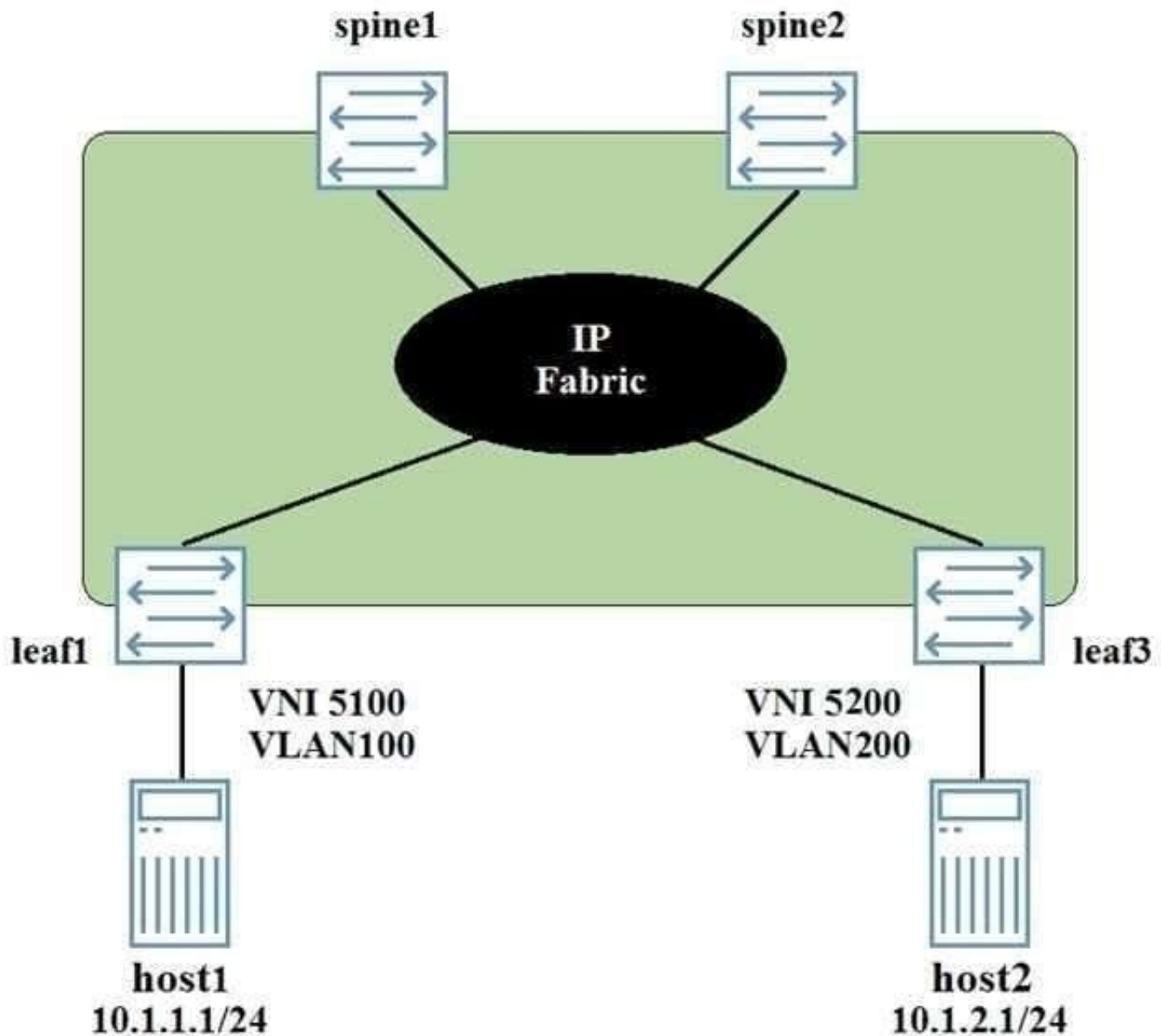
In this scenario, which BGP parameter would solve this problem?

- A. mulcihop
- B. mulcipach
- C. mulcipach multiple-as
- D. as-override

Correct Answer: D

### QUESTION 5

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.

Correct Answer: AD

## QUESTION 6

Referring to the exhibit,



```
[user@server ~]$ cat /etc/dhcp/dhcpd.conf
***
host qfx1 {
    hardware ethernet dc:12:el:5e:48:00;
    fixed-address 172.25.10.111;
    option option-159 172.25.10.1;
    option SUNW.server-image "/var/ftp/pub/install-host-qfx-5e-x86-64-21.3R1.9-secure-signed.tgz";
    option SUNW.server-file "/var/ftp/pub/qfx1-ZTP.config";
}
```

what happens when you initiate ZTP on a QFX5120 switch running Junos 21.3R1.9?

- A. ZTP skips both the Junos installation and the configuration.
- B. ZTP performs the Junos installation but skips the configuration.
- C. ZTP performs both the Junos installation and the configuration.
- D. ZTP skips the Junos installation but applies the configuration.

Correct Answer: C

## QUESTION 7

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

Correct Answer: B

## QUESTION 8



Which two characteristics would you consider when selecting spine devices in an IP fabric? (Choose two.)

- A. scaling limitations
- B. spanning tree limitations
- C. port density
- D. data center location

Correct Answer: BD

---

### QUESTION 9

You are designing a network for a small data center. In this scenario, which underlay protocol allows for the simplest implementation?

- A. EBGp
- B. OSPF
- C. IGMP
- D. MPLS

Correct Answer: B

---

### QUESTION 10

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

Correct Answer: BCD

---

### QUESTION 11

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. 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 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

Correct Answer: AD

---

#### QUESTION 13

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?





```
Exhibit
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

#### QUESTION 14

Referring to the exhibit, which statement is correct?



Exhibit							
<pre>(master:0) user@leaf1&gt; show mac-vrf forwarding interface vtep.32769 Routing Instance Name : mac-vrf310410-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)</pre>							
Logical interface	Vlan members	TAG	MAC limit	MAC+IP limit	STP state	Logical interface flags	Tagging
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 15

You manage a data center with a 5-stage EVPN-VXLAN IP fabric. You notice that there are suboptimal paths used between the leaf and spine as well as the spine and super spine. What is one way to solve this issue?

- A. Configure the super spine and spine layers to all use the same ASN.
- B. Configure the spine layer for EBGp and the leaf layer for IBGP
- C. Configure the spine layer so that all spines in a POD share the same ASN.
- D. Configure the leaf layer so that all leaf devices share the same ASN.

Correct Answer: B