



**Vendor:** Juniper

**Exam Code:** JN0-680

**Exam Name:** Data Center, Professional (JNCIP-DC)

**Version:** DEMO

### QUESTION 1

Which EVPN service consists of a single broadcast domain per EVPN instance?

- A. a VLAN bundle service interface
- B. a VLAN-based service interface
- C. a port-based VLAN-aware service interface
- D. a port-based service interface

**Answer: B**

**Explanation:**

<https://tools.ietf.org/html/draft-ietf-l2vpn-evpn-08#section-6.1>

### QUESTION 2

Which two statements are correct when performing a unified ISSU? (Choose two.)

- A. The master Routing Engine and backup Routing Engine must be running the same software version before you can perform a unified ISSU.
- B. Unicast RPF-related statistics are not saved across a unified ISSU, and the unicast RPF counters are reset to zero during a unified ISSU.
- C. Unicast RPF-related statistics are saved across a unified ISSU, and the unicast RPF counters are not reset to zero during a unified ISSU.
- D. The backup Routing Engine must be running the most recent software version before you can perform a unified ISSU.

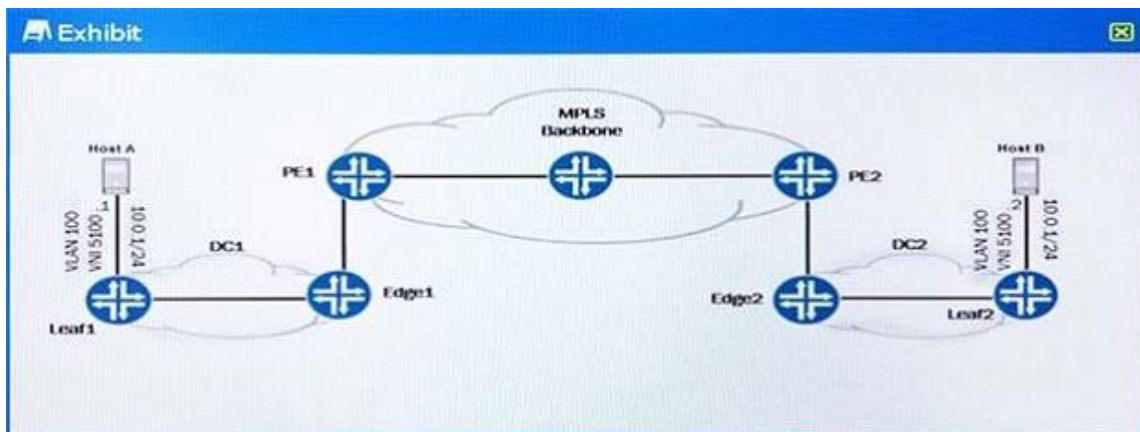
**Answer: AB**

**Explanation:**

[https://www.juniper.net/documentation/en\\_US/junos/topics/reference/requirements/issu-system-requirements.html](https://www.juniper.net/documentation/en_US/junos/topics/reference/requirements/issu-system-requirements.html)

### QUESTION 3

Referring to the exhibit, PE1 and PE2 are acting as MPLS Layer 3 VPN PEs to provide the DCI between DC1 and DC2, which are IP Fabrics. Leaf 1 and Leaf 2 are QFX5100 Series devices acting as VXLAN Layer 2 Gateways using EVPN signaling for the same VXLAN segment.



Which statement is correct about the Edge1 device in this scenario?

- A. Edge1 must be configured for MP-BGP using EVPN signaling.

- B. Edge1 must be configured for MP-BGP using L3VPN signaling.
- C. Edge1 must be configured for BGP labeled unicast on its PE1-facing interface.
- D. Edge1's routing table must contain an IP route to both Leaf1 and Leaf2.

**Answer: A**

**Explanation:**

Assumption here that the MPLS backbone network offers EVPN; this is the most fully-featured solution.

This could also be achieved via C; BGP-LU shared with the provider, basically extending MPLS down to the Edge1+2 routers; this is less 'risky' for the MPLS backbone operator. B and D are ignoring EVPN/ VXLAN components and refer to traditional Layer 3 IP routing.

[https://www.juniper.net/documentation/en\\_US/junos/topics/concept/evpns-overview.html](https://www.juniper.net/documentation/en_US/junos/topics/concept/evpns-overview.html)

#### QUESTION 4

Referring to the exhibit, which two MAC addresses are learned from the local side of the MC-LAG link?

```
Ethernet switching table : 3 entries, 3 learned
Routing instance : default-switch
```

Vlan name	MAC address	MAC flags	Age	Logical interface
v15	4c:96:14:e8:c6:fd	DR	-	ae0.0
v15	4c:96:14:e8:c6:fe	DL	-	et-0/0/51.0
v15	4c:96:14:e8:f0:21	DR	-	ae0.0
v15	4c:96:14:e8:a6:16	DL	-	et-0/0/51.0

- A. 4c:96:14:e8:c6:fe and 4c:96:14:e8:a6:16
- B. 4c:96:14:e8:c6:fd and 4c:96:14:e8:f0:21
- C. 4c:96:14:e8:c6:fd and 4c:96:14:e8:a6:16
- D. 4c:96:14:e8:f0:21 and 4c:96:14:e8:a6:16

**Answer: A**

**Explanation:**

Flag 'DL' means Dynamic, Locally-learned (DR means Dynamic, Remote PE MAC)

#### QUESTION 5

An EX9200 switch is acting as a Layer 3 VXLAN gateway.

In this scenario, which action will allow you to communicate between two VLANs?

- A. Configure L3 physical interfaces to connect the VXLANs.
- B. Configure IRB interfaces to connect the VXLANs.
- C. Configure LAG interfaces to connect the VXLANs.
- D. Configure a VPLS instance.

**Answer: B**

**Explanation:**

(loosely) [https://www.juniper.net/documentation/en\\_US/junos/topics/example/sdn-vxlan-ovsdb-inter-vxlan-routing-data-center-configuring.html](https://www.juniper.net/documentation/en_US/junos/topics/example/sdn-vxlan-ovsdb-inter-vxlan-routing-data-center-configuring.html)

### QUESTION 6

You are deploying a spine-and-leaf IP Fabric in your data center using EBGP. In this scenario, which three statements are true? (Choose three.)

- A. Each device should you use a different autonomous system number.
- B. Each leaf must peer to each spine.
- C. Each device should also run an IGP to advertise loopback interfaces.
- D. EBGP does not require a next-hop self-policy.
- E. Each leaf must peer to every other leaf.

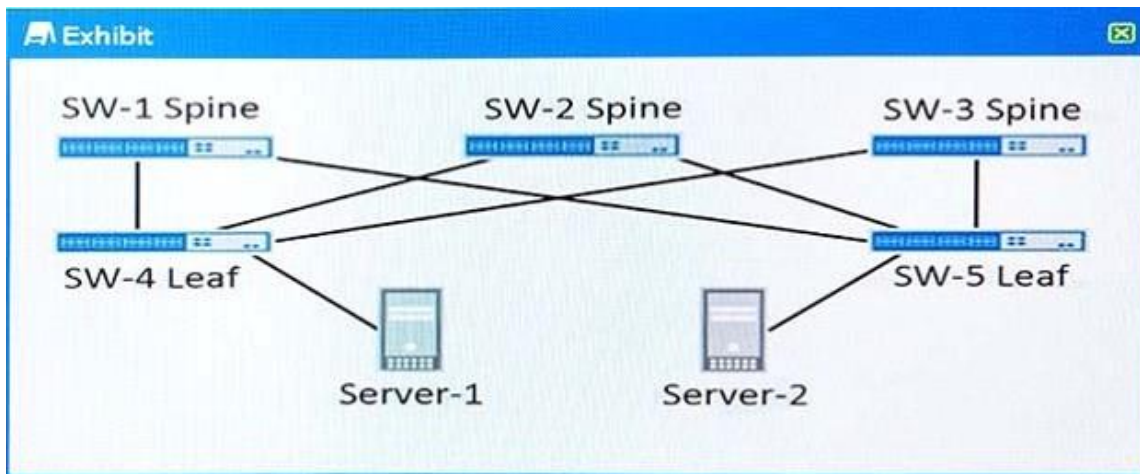
**Answer:** ABD

**Explanation:**

<http://www.juniper.net/us/en/local/pdf/whitepapers/2000565-en.pdf>

### QUESTION 7

VMs on Server-1 and Server-2 are on the same Layer 2 domain within a VCF and are sending traffic to each other.



Referring to the exhibit, which three criteria are used when load-balancing traffic? (Choose three.)

- A. EtherType
- B. source MAC
- C. incoming port ID
- D. Layer 4 source port
- E. destination IP

**Answer:** ABC

**Explanation:**

<http://nextheder.net/2016/10/28/virtual-chassis-fabric-part-ii-control-and-forwarding-plane/> Layer 2 load-balancing hashing does not involve Layer 3 or Layer 4 header information.

IE: Layer 2: source MAC, destination MAC, EtherType, Vlan ID, Incoming Port ID, source member ID

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