

Juniper JNO-680 Exam

Volume: 64 Questions

Question No: 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

Question No: 2

You are implementing a Virtual Chassis using QFX5100s and EX4300s in your data center. In this scenario, which two statements are correct? (Choose two.)

- A. Only 10GbE VCP connections can be used between the QFX5100s and the EX4300s.
- B. The QFX5100 devices cannot assume the line card role in the Virtual Chassis.
- C. Some hardware capabilities are limited by the capabilities of the EX4300 switches.
- D. The EX4300 devices can only assume a line card role in the Virtual Chassis.

Answer: C,D

Question No: 3

A customer notices that all traffic is traveling over a single link within their partially meshed IP Fabric using IBGP. While troubleshooting, the customer notices that the configuration is missing a configuration parameter.

Which parameter would the customer use to solve this problem?

- A. accept-remote-nexthop
- B. advertise-peer-as
- C. add-path

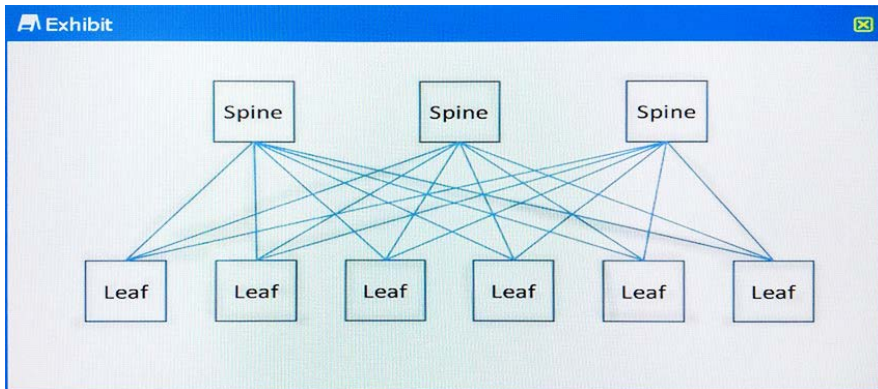
Juniper JNO-680 Exam

D. multihop

Answer: C

Question No: 4

A customer has a 3-stage Clos architecture with three spine devices as shown in the exhibit. If a single spine device fails, what percentage of the remaining bandwidth will be available from leaf node to leaf node?



A. approximately 25%

B. approximately 75%

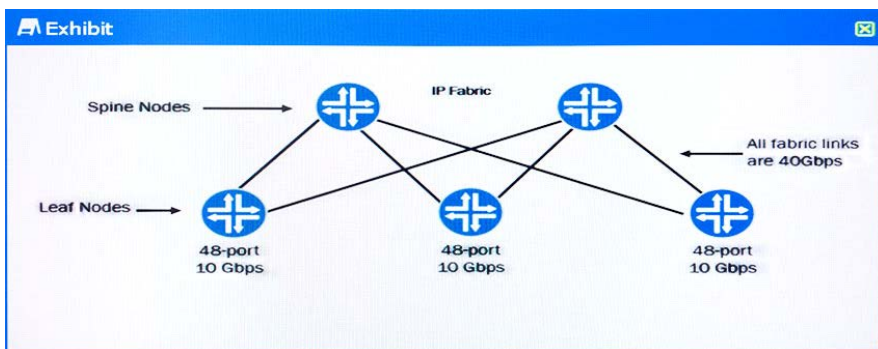
C. approximately 33%

D. approximately 66%

Answer: D

Question No: 5

Referring to the exhibit, which hardware change would be made to the IP Fabric to ensure an exact 4:1 oversubscription ratio?



A. Upgrade the fabric links to 100GbE.

Juniper JNO-680 Exam

- B. Add two leaf nodes to the IP Fabric.
- C. Add three leaf nodes to the IP Fabric.
- D. Add a spine node to the IP Fabric.

Answer: D

Question No: 6

A customer has built a VXLAN using an EVPN signaling infrastructure with remote facilities with VXLAN using EVPN signaling connected to the Internet. The customer notices that the network is completely stable with no protocol errors in the underlay or overlay. The customer, however, cannot pass any application data across the network.

Which statement would explain the intermittent loss?

- A. There is an LACP key mismatch.
- B. The MTU is exceeded.
- C. The routing protocol authentication has failed.
- D. The BPDU protection is invoked.

Answer: D

Question No: 7

You have deployed a multicast server attached to a QFXS100 Series device serving as a VTEP. Which two statements are correct in this scenario? (Choose two.)

- A. By default, the QFXS100 will send copies of the multicast packets to all locally attached devices in the same VLAN.
- B. By default, the QFX5100 will send copies of the multicast packets to locally attached devices in the same VLAN that are interested receivers only.
- C. By default, the QFXS100 will encapsulate the multicast packets in VXLAN and forward them to all remotely connected VTEPs.
- D. By default, the QFXS100 will encapsulate the multicast packets in VXLAN and forward them to remotely connected VTEPs with interested receives only.

Juniper JNO-680 Exam

Answer: A,C

Question No: 8

Which protocol is used between VCF member devices to create a loop-free topology?

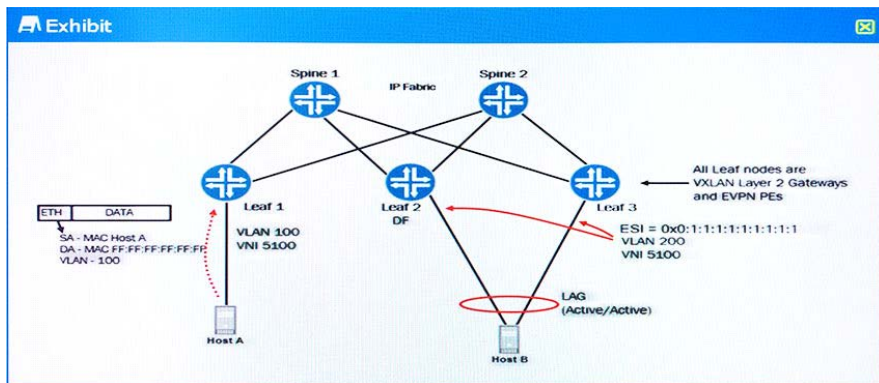
- A. LLDP
- B. MSTP
- C. RSTP
- D. VCCP

Answer: D

Question No: 9

Referring to the exhibit, each leaf node is a QFX5100 acting as a VXLAN Layer 2 Gateway using EVPN signaling. Leaf 2 and Leaf 3 are both attached to the same EVPN Ethernet segment. Leaf 2 has been elected the designated forwarder for VLAN 200 on that Ethernet segment.

In this scenario, which two actions will Leaf 1 perform with the broadcast Ethernet frame received from Host A? (Choose two.)



- A. Leaf 1 will strip the VLAN tag from the Ethernet frame before encapsulating it in VXLAN.
- B. Leaf 1 will send a VXLAN encapsulated copy of the Ethernet frame to both Leaf 2 and Leaf 3.
- C. Leaf 1 will change the VLAN tag of the Ethernet frame to 200 before encapsulating it in VXLAN.
- D. Leaf 1 will send a VXLAN encapsulated copy of the Ethernet frame to Leaf 2 only.

Answer: A,D

Juniper JNO-680 Exam

Question No: 10

You have built a mixed-mode VCF consisting of two QFX5100-24Qs as spines, two QFX5100-48S as leaf nodes, and one EX4300 as a leaf node. The VCF is working for all devices, except the EX4300 40GbE fabric links will not join the VCF.

In this scenario, what must be corrected to solve the connectivity problem?

- A. Reboot all of the VCF members.
- B. Power off all of the VCF members and power up the spines before powering up the leafs.
- C. Zeroize the EX4300, clear all the tables with the clear ethernet-switching tables command on all members, and reissue the request virtual-chassis mixed-mode command.
- D. Turn off authnegotiation on the EX4300 and the attached spine interfaces, and then use the request virtual-chassis vc-port set command on the spine ports connected to the EX4300.

Answer: A

Question No: 11

Your server administrator asks you to preserve the inner VLAN tags of the frames coming from a Layer 2 VXLAN Gateway of the EVPN-enabled segment.

Which two parameters must you add to the configuration to allow the VLAN tag to be passed? (Choose two.)

- A. layer2-protocol-tunneling
- B. decapsulate-accept-inner-vlan
- C. dot1q-tunneling
- D. encapsulate-inner-vlan

Answer: B,D

Question No: 12

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

Juniper JNO-680 Exam

counters are reset to zero during a unified ISSU.

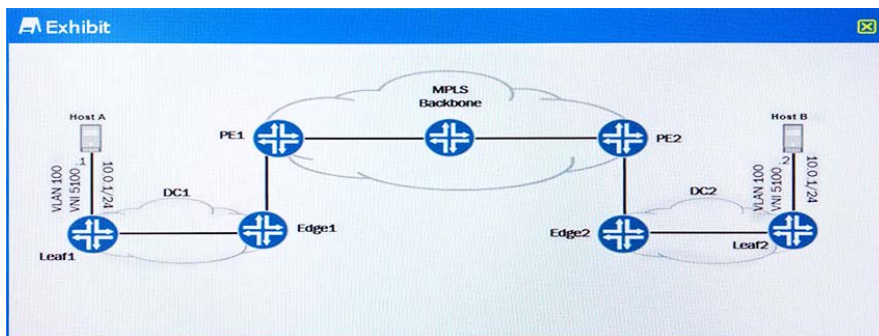
C. Unicast RPF-related statistics are saved across a unified ISSU, and the unicast RPF counters are not reset to zero during a unified ISSU.

D. The backup Routing Engine must be running the most recent software version before you can perform a unified ISSU.

Answer: A,B

Question No: 13

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

Question No: 14

You are deploying a VXLAN using EVPN signaling overlay network. PE1 and PE2 are multihomed to the connected CE device. You notice that the traffic is not load-balancing as expected. Referring to the exhibit, which two actions will solve this problem? (Choose two.)

Juniper JNO-680 Exam

```
user@PE1# show interfaces
interfaces {
  ae0 {
    flexible-vlan-tagging;
    mtu 9192;
    encapsulation flexible-ethernet-services;
    esi {
      00:11:11:11:11:11:11:11:11:11;
      all-active;
    }
    aggregated-ether-options {
      lacp {
        system-id 00:00:00:00:00:01;
      }
    }
  }
  ...
}
```

```
user@PE1# show routing-instances
routing-instances {
  evpn-instance {
    instance-type virtual-switch;
    interface ae0.100;
    route-distinguisher 11.11.11.11:100;
    vrf-target target:65000:1;
  }
  ...
}
```

```
user@PE2# show interfaces
interfaces {
  ae0 {
    flexible-vlan-tagging;
    mtu 9192;
    encapsulation flexible-ethernet-services;
    esi {
      00:22:22:22:22:22:22:22:22:22;
      all-active;
    }
    aggregated-ether-options {
      lacp {
        system-id 00:00:00:00:00:02;
      }
    }
  }
  ...
}
```

```
user@PE2# show routing-instances
routing-instances {
  evpn-instance {
    instance-type virtual-switch;
    interface ae0.100;
    route-distinguisher 22.22.22.22:100;
    vrf-target target:65000:1;
  }
  ...
}
```

- A. Set the route distinguisher on PE2 to 11.11.11.11:100.
- B. Set the LACP system ID on PE2 to 00:00:00:00:00:01.
- C. Set the ESI on both devices to 00:00:00:00:00:00:00:00:00:00.

Juniper JNO-680 Exam

D. Set the ESI on PE2 to 00:11:11:11:11:11:11:11:11:11.

Answer: B,D

Question No: 15

In a preprovisioned mixed Virtual Chassis, which statement is correct about converting a 40Gbps QSFP+ to a Virtual Chassis port in an EX4300?

- A. LLDP is enabled on that interface.
- B. LLDP is disabled on that interface.
- C. One end of the link is configured as a Virtual Chassis port.
- D. Both ends of the link have the default configuration.

Answer: D

Question No: 16

You are implementing a Virtual Chassis using QFX5100s and EX4300s in your data center. In this scenario, which three hardware capabilities are affected? (Choose three.)

- A. usable VCP connections limited to 10GbE
- B. MAC table size
- C. number of usable ports per member
- D. number of supported routing instances
- E. maximum number of firewall filters

Answer: B,D,E

Question No: 17

You are developing an EVPN service between your data centers to enable Layer 2 stretch and Virtual Machine Traffic Optimization (VMTO) operations.

In this scenario, which action must be performed on the IRB interface to accomplish this task?

- A. Configure the same IP address and let the MAC address be dynamically assigned on each PE.

Juniper JNO-680 Exam

- B. Configure the same IP address and the same MAC address on each PE.
- C. Configure different IP addresses but the same MAC address on each PE.
- D. Configure different IP addresses and different MAC addresses on each PE.

Answer: B

Question No: 18

What are two methods used to scale an IBGP IP Fabric? (Choose two.)

- A. spanning tree
- B. redundant trunk groups
- C. route reflection
- D. confederations

Answer: C,D

Question No: 19

You are building a mixed-mode Virtual Chassis with two QFX5100-24Qs, four QFX3500-48s, two EX4600-40Fs and two EX4300-48Ts. The Virtual Chassis will not provision. In this scenario, which statement is correct?

- A. QFX3500s are not allowed in mixed mode.
- B. EX4600s are only allowed with EX4300s.
- C. EX4600s must be preprovisioned as the master and backup.
- D. Mixed-mode Virtual Chassis only allows for eight members.

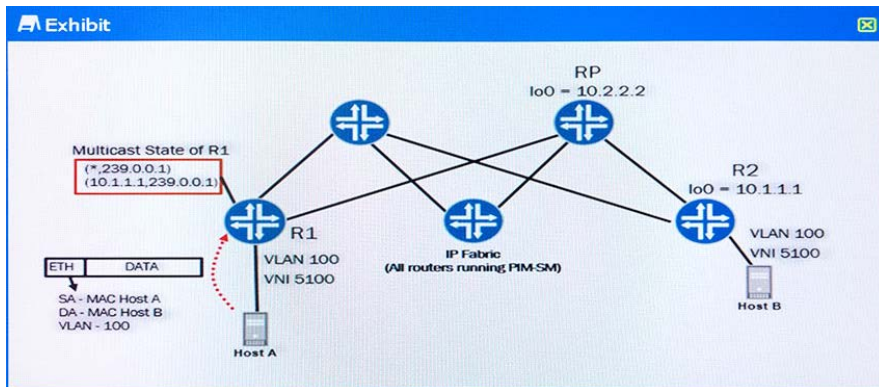
Answer: B

Question No: 20

Referring to the exhibit, R1 and R2 are QFX5100 Series devices acting as VXLAN Layer 2 Gateways using PIM-SM signaling for the same VXLAN segment (VNI 5100). The multicast group assigned to VNI 5100 is 239.0.0.1. R1 currently has an entry in its MAC table for Host B.

Juniper JNO-680 Exam

In this scenario, how will R1 react to receiving the Ethernet frame from Host A?



- A. R1 will send a VXLAN encapsulated Ethernet frame using 10.1.1.1 as the destination address.
- B. R1 will send a VXLAN encapsulated Ethernet frame along the source-based multicast tree using 239.0.0.1 as the destination address.
- C. R1 will send a VXLAN encapsulated Ethernet frame using 10.2.2.2 as the destination address.
- D. R1 will send a VXLAN encapsulated Ethernet frame along the RP-based multicast tree using 239.0.0.1 as the destination address.

Answer: A

Question No: 21

You are deploying 50 QFX5100 switches in your data center. You are asked to explain the benefits of using ZTP during your deployment of these devices.

What is a benefit of this deployment?

- A. You must use DHCP options to provide Junos installation packages to all devices.
- B. You must use DHCP options to provide the transfer mode used for pulling files from a storage server.
- C. You can use DHCP options to push the configuration files to all devices.
- D. You can use DHCP options to indicate which Junos version the switches should be running.

Answer: C

Question No: 22