

# Juniper

## Exam Questions JN0-663

Service Provider Routing and Switching Professional (JNCIP-SP)



#### NEW QUESTION 1

Exhibit.

You are using EVPN to provide Layer 2 stretched VLANs between two sites. You notice that the MAC addresses in either site are not showing up on the remote site.

Referring to the exhibit, what are two ways to solve this problem? (Choose two )

- A. On R1, issue the `sec 3wicch-cpt:.cr.3 vrf-target target: 65101:22030` Command
- B. On R2 issue the `set protocols evpn vni-options vni 22030` command
- C. On R1, issue the `sec protocols evpn vni-options vni 22030 vrf-target target:65101:22030` command
- D. On R2, issue the `set switch-options vrf-target target: 65101:22030` command

**Answer:** AD

#### NEW QUESTION 2

You have a mixed vendor EVPN environment and you need to ensure VXLAN interoperability between all devices. In this scenario, which statement is correct?

- A. You should only use Type 6 and Type 2 routes
- B. You should only use pure Type 2 routes
- C. You should only use Type 2 and Type 5 routes.
- D. You should only use pure Type 5 routes

**Answer:** C

#### NEW QUESTION 3

Exhibit:

Referring to the exhibit, you want to reduce the CPU processing load on PE 2 by preventing the receipt of routes belonging to Customer B. In this scenario, which Layer 3 VPN scaling mechanism provides this functionality?

- A. route origin
- B. route reflection
- C. route target filtering
- D. route refresh

**Answer:** C

#### NEW QUESTION 4

Which two statements about wide and narrow metrics used in IS-IS are correct? (Choose two)

- A. Wide metrics are sent by default and use 24 bits in TLVs to send information
- B. Narrow metrics are enabled by default and use 8 bits in TLVs to send information
- C. Disabling narrow metrics results in external routes being leaked from L1 to L2 areas automatically
- D. Wide metrics are enabled with the `wide-metrics-or.ly` parameter under protocols IS-IS hierarchy.

**Answer:** BC

#### NEW QUESTION 5

Exhibit.

Your router should be configured with a rewrite rule which alters the default behavior of expedited forwarding as shown in the exhibit  
In this scenario which configuration is correct?

- A)
- B)
- C)
- D)

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer: C**

#### NEW QUESTION 6

Exhibit:

Referring to the exhibit, which three statements about route 10.222/16 are correct when using the default BGP advertisement rules? (Choose three)

- A. R2 will advertise 10.222/16 to R4 with itself as the next hop.
- B. R2 will prepend AS10 when advertising 10.222/16 to R7.
- C. R7 will advertise 10.222/16 to R9 with itself as the next hop.
- D. R1 will advertise 10.222/16 to R2 with itself as the next hop.
- E. R1 will prepend AS10 when advertising 10.222/16 to R2.

**Answer: ABD**

#### NEW QUESTION 7

Exhibit:

You notice an inconsistency between the routing table and the OSPF database, as shown in the exhibit. What are two reasons for this behavior? (Choose two.)

- A. The LSA is a Type 4 LSA.
- B. An OSPF export policy is being applied to the route.
- C. An OSPF import policy is being applied to the route.
- D. The LSA is a Type 5 LSA.

**Answer:** CD

**NEW QUESTION 8**

Exhibit:

Referring to the exhibit, traffic sent from CE-A2 to PE3 does not loop back to CE-A2 through PE2. Which two EVPN functions accomplish this task? (Choose two.)

- A. split horizon
- B. aliasing
- C. multicast ingress replication
- D. designated forwarder election

**Answer:** AD

**NEW QUESTION 9**

Exhibit.

A customer wants to reduce LSP flooding in their IS-IS network Which parameter should you change to accomplish this task?

- A)
- B)
- C)
- D)

- A. Option A
- B. Option B
- C. Option C

D. Option D

**Answer:** B

**NEW QUESTION 10**

Exhibit.

Referring to the exhibit, which two statements are correct for a route advertised by R1 towards R4? (Choose two )

- A. The BGP next hop is set to 192.168.2.2 by R2
- B. The BGP next hop is set to 14.1.1.1 by R2
- C. The AS path is set to null by R2
- D. The AS path is set to 150 by R2

**Answer:** B

**NEW QUESTION 10**

Exhibit:

You must configure an OSPF virtual link to facilitate communication between Area 0 and Area 20.

Referring to the exhibit, which two addresses should you use as the neighbor IDs of the virtual link endpoints? (Choose two.)

- A. The address that is associated with R2's router ID.
- B. The address that is associated with R4's router ID.
- C. The address that is associated with R2's xe-1/2/0 interface.
- D. The address that is associated with R4's xe-0/0/1 interface.

**Answer:** AB

**NEW QUESTION 11**

Why do interprovider option B VPNs scale better than interprovider option A VPNs?

- A. The ASBRs in interprovider option B VPNs only carry internal routes.
- B. The ASBRs in interprovider option A VPNs do not need per-VPN VRF tables.
- C. The ASBRs in interprovider option A VPNs only carry internal routes.
- D. The ASBRs in interprovider option B VPNs do not need per-VPN VRF tables.

**Answer:** D

**NEW QUESTION 16**

Exhibit:

All networks shown in the exhibit contain more than one BGP speaker. You operate ISP A and must ensure that Customer Y sends their traffic to you over the directly connected link. Customer Y is not to be used for transit into your network.

What would you do to accomplish this task?

- A. Advertise routes to Customer Y with the custom defined 65535:65535 community.
- B. Advertise routes to Customer Y with the well-known no-export community.
- C. Advertise routes to Customer X with the well-known no-advertise community.
- D. Advertise routes to Customer X with the custom defined 0:0 community.

**Answer:** B

### NEW QUESTION 21

Exhibit:

Referring to the exhibit, which two statements about route reflectors are correct? (Choose two.)

- A. RR2 adds its cluster ID when advertising routes from CHent4 to Client3.
- B. RR2 advertises routes learned from Client3 to EBG2 with itself as the next hop.
- C. RR1 advertises routes learned from Client1 to RR2 with itself as the next hop.
- D. RR1 and RR2 need the same cluster ID to exchange routes learned from their clients.

**Answer:** AB

### NEW QUESTION 25

Exhibit:

Which three statements are true about the show pim join output shown in the exhibit? (Choose three.)

- A. This is a source-specific multicast stream.
- B. The multicast receiver is still using the RP to receive the stream.
- C. The multicast stream does not have an RP.
- D. The multicast stream has been configured with a backup path to allow for fast reroute.
- E. The shortest path to the source is through the RP.

**Answer:** BCD

### NEW QUESTION 28

Exhibit:

A network designer wants to ensure that traffic from R2 destined for 2001::db9:ffff:ff00::62 always traverses the R2-R1 link if that link is available. Referring to the exhibit, which configuration change will satisfy this requirement?

- A)
- B)
- C)
- D)

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer:** C

**NEW QUESTION 30**

Which two statements about virtual links are correct? (Choose two.)

- A. Virtual links are used for control plane traffic.
- B. Virtual links are point-to-point.
- C. Virtual links are excluded from SPF calculations.
- D. Virtual links are bidirectional.

**Answer:** AB

**NEW QUESTION 31**

Exhibit:

CE-1, CE-2, and CE-3 are part of a single VPLS VPN. An Ethernet frame has just arrived at PE-3 from CE-3. It has a source MAC address of CE-3 and a destination MAC address of CE-1. You want to know what PE-3 does with the Ethernet frame. Referring to the exhibit, which statement is correct?

- A. It forwards the packet to PE-1 only.
- B. It drops the packet because the destination MAC address is not for PE-3.
- C. It forwards the packet to PE-1 and PE-2.
- D. It drops the packet because the destination MAC address is not in PE-3's MAC table.

**Answer:** C

**NEW QUESTION 35**

You recently deployed CoS-based forwarding in your network, which uses OSPF as its IGP. You notice that the forwarding of traffic has not changed and is not following the path indicated within your configuration. In this scenario, which statement explains this behavior?

- A. The defined policy has not been applied under [edit class-of-service forwarding-policy].
- B. The defined policy references interface names as the next-hops instead of IP addresses.
- C. Load balancing has not been enabled under [edit forwarding-options].
- D. The defined policy references IP addresses as the next-hops instead of interface names.

**Answer:** D

**NEW QUESTION 37**

Click the Exhibit button.

A network administrator is investigating why traffic from R2 is not being forwarded to R1. Referring to the show isis database command output shown in the exhibit, what is causing this problem on the network?

- A. R1 and R2 are in different IS-IS areas.
- B. The preferred interface between R1 and R2 is experiencing errors.
- C. R1 is configured to drop all incoming traffic.
- D. R2 is ignoring specific LSPs from R1 in its SPF calculations.

**Answer:** D

**NEW QUESTION 38**

Exhibit:

A Layer 3 VPN exists in the provider network and the CE devices are connecting to the PE devices using BGP. The PE devices are receiving BGP routes from the CE devices and the PE devices have the CE BGP routes in their respective routing tables. However, the remote CE devices are not receiving the BGP routes. Referring to the exhibit, what is the problem?

- A. The CE devices are detecting an AS loop.
- B. A VRF target community mismatch exists.

- C. A route distinguisher mismatch exists.
- D. The PE devices are detecting an AS loop.

**Answer:** A

#### **NEW QUESTION 42**

Exhibit:

Referring to the exhibit, hosts in Site 1 and Site 2 are unable to communicate with each other through the Layer 3 VPN. What is the problem?

- A. The two sites are using the same route distinguishers.
- B. The two sites are in the same AS.
- C. The two sites are using the same instance type.
- D. The two sites are using the same route target.

**Answer:** B

#### **NEW QUESTION 44**

Exhibit.

Referring to the exhibit, which statement is true?

- A. The BGP session between R1 and R2 will fail to establish correctly due to an NLRI mismatch
- B. The BGP session between R1 and R2 will establish correctly and the met unicast and the met6 unicast NLRIs will pass routing information
- C. The BGP session between R1 and R2 will establish correctly and only the inet6 unicast NLRI will pass routing information
- D. The BGP session between R1 and R2 will establish correctly and only the met unicast NLRI will pass routing information

**Answer:** B

#### **NEW QUESTION 47**

Exhibit.

You manage an MX Series device which includes the configuration shown in the exhibit Traffic marked with DSCP 000011 is entering the ge-1/0/4 interface at 102 Mbps The traffic exits the device on the ge-1/0/5 interface No other traffic is transiting the router In this scenario what happens to traffic exceeding 100 Mbps?

- A. Traffic exceeding 100 Mbps is redirected to a rate limiter.
- B. Traffic exceeding 100 Mbps is buffered
- C. Traffic exceeding 100 Mbps is forwarded.
- D. Traffic exceeding 100 Mbps is dropped

**Answer:** C

#### **NEW QUESTION 49**

Which two types of LSAs have an area scope? (Choose two)

- A. Type 5
- B. Type 2
- C. Type 7
- D. Type 11

**Answer:** BD

#### NEW QUESTION 50

Exhibit.

You have a Layer 3 VPN established between PE-1 and PE-2 to allow communication between CE-1 and CE-2. You want to establish communication between CE-1 and CE-2.

Referring to the exhibit, which statement is correct?

- A. You will need a VRF import policy on PE-2 to advertise the OSPF routes learned from CE-2 through the Layer 3 VPN
- B. You will need a VRF export policy on PE-2 to redistribute the OSPF routes learned from CE-2. through the Layer 3 VPN
- C. You will need a BGP export policy on PE-1 to redistribute the OSPF routes learned from PE-2 to the CE1 BGP neighbor
- D. You will need a VRF import policy on PE-1 to receive the OSPF routes learned from PE-2. through the Layer 3 VPN

**Answer: B**

#### NEW QUESTION 51

Exhibit:

Referring to the exhibit, external routes are being received at R1. These routes must appear on R5. Which action will produce this result?

- A. Turn on wide metrics on R1 and R2 and write an export policy on R4 from level 2 to level 1 matching the external routes.
- B. Turn on wide metrics on R4 and R5 and write an export policy on R2 from level 1 to level 2 matching the external routes.
- C. Write an export policy on R4 from level 2 to level 1 matching the external routes.
- D. Write an export policy on R2 from level 1 to level 2 matching the external routes.

**Answer: A**

#### NEW QUESTION 52

You want to allow the load balancing of traffic for an EBGP route from two different peers in the same AS. Which three actions are needed to accomplish this task? (Choose three.)

- A. A policy to load-balance traffic should be applied to the forwarding table
- B. At least two interfaces should be connected to the same EBGP neighbor
- C. The multihop parameter should be configured under protocols BGP
- D. The multipath parameter should be configured under protocols BGP
- E. An equal cost AS path for the route is required.

**Answer: ADE**

#### NEW QUESTION 57

Exhibit:

You have the Layer 2 VPN configuration shown in the exhibit. You are asked to determine the remote site ID for ge-1/0/1.512. In this scenario, what is the remote site ID?

- A. 5
- B. 3
- C. 1
- D. 4

**Answer:** C

**NEW QUESTION 58**

Exhibit:

Referring to the exhibit, which two statements are true? (Choose two.)

- A. The vrf-target configuration stops routes from being shared between CE-1 and CE-2.
- B. The route-distinguisher configuration allows routes to be shared between CE-1 and CE-2.
- C. The vrf-target configuration allows routes to be shared between CE-1 and CE-2.
- D. The route-distinguisher configuration stops routes from being shared between CE-1 and CE-2.

**Answer:** AB

**NEW QUESTION 59**

Exhibit:

Referring to the exhibit, which two statements are correct? (Choose two.)

- A. R1 will never forward transit traffic through R2.
- B. Transit traffic from R1 to R4 will traverse R3.
- C. The OSPF interface metrics on R2 are all set to 65535.
- D. R2 stops sending LSAs into the network.

**Answer:** BC

**NEW QUESTION 61**

Exhibit:

R2 is receiving the same route from R1 and R3. You must ensure that you can load balance traffic for that route. Referring to the exhibit, which two configuration changes will allow load balancing? (Choose two.)

- A. Configure multipath under group R1.
- B. Configure multipath under the global BGP configuration.
- C. Apply the prepend policy as an import policy under group R3.
- D. Apply the prepend policy as an import policy under group R1.

**Answer:** BD

**NEW QUESTION 64**

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