



# JN0-663<sup>Q&As</sup>

Service Provider Routing and Switching, Professional (JNCIP-SP)

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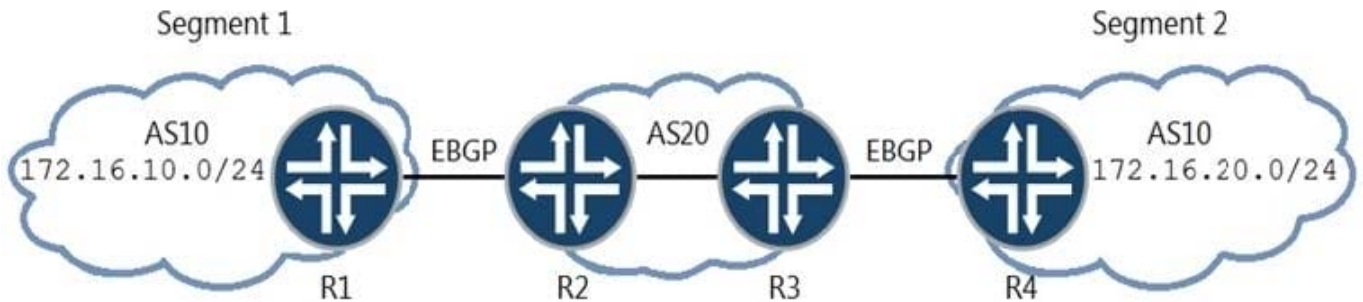
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### QUESTION 1



Your network connects two segments of your customer's network as shown in the exhibit. They need to exchange routes between Segment 1 and Segment 2 but both segments use the same AS number.

Which two steps will accomplish this task? (Choose two.)

- A. Configure the routing-options autonomous-system loops 1 parameter on routers R1 and R4.
- B. Configure the BGP group with the advertise-peer-as parameter on routers R2 and R3.
- C. Configure the routing-options autonomous-system loops 1 parameter on routers R2 and R3.
- D. Configure the BGP group with the as-override parameter on routers R1 and R4.

Correct Answer: AB

### QUESTION 2



```
user@router> show bgp neighbor 192.168.100.2
Peer: 192.168.100.2+50862 AS 65512 Local: 192.168.100.1+179 AS 65512
  Group: INT                               Routing-Instance: master
  Forwarding routing-instance: master
  Type: Internal   State: Established   Flags: <Sync>
  Last State: OpenConfirm   Last Event: RecvKeepAlive
  Last Error: None
  Options: <Preference LocalAddress Refresh>
  Options: <GracefulShutdownRcv>
  Local Address: 192.168.100.1 Holdtime: 90 Preference: 170
  Graceful Shutdown Receiver local-preference: 0
  Number of flaps: 0
  Peer ID: 192.168.100.2   Local ID: 192.168.100.1   Active Holdtime: 90
  Keepalive Interval: 30   Group index: 0   Peer index: 0   SNMP index: 3
  I/O Session Thread: bgpio-0   State: Enabled
  BFD: disabled, down
  NLRI for restart configured on peer: inet-unicast
  NLRI advertised by peer: inet-unicast inet-vpn-unicast
  NLRI for this session: inet-unicast
  Peer supports Refresh capability (2)
  Stale routes from peer are kept for: 300
  Peer does not support Restarter functionality
  Restart flag received from the peer: Notification
  NLRI that restart is negotiated for: inet-unicast
  NLRI of received end-of-rib markers: inet-unicast
  NLRI of all end-of-rib markers sent: inet-unicast
  Peer does not support LLGR Restarter functionality
  Peer supports 4 byte AS extension (peer-as 65512)
  Peer does not support Addpath
  NLRI(s) enabled for color nexthop resolution: inet-unicast
...

```

Referring to the exhibit, the local BGP router is receiving IPv4 routes from the BGP neighbor, but it is not receiving L3 VPN routes from the BGP neighbor.

Which two actions should you take to solve this problem? (Choose two.)

- A. Configure the family inet-vpn unicast statement on the BGP neighbor.
- B. Configure the family inet unicast statement on the local BGP router.
- C. Configure the family inet-vpn unicast statement on the local BGP router.
- D. Configure the family inet unicast statement on the BGP neighbor.

Correct Answer: AC

### QUESTION 3



```
[edit routing-instances]
user@PE-1# show
CE-1 {
  protocols {
    bgp {
      group CE-1 {
        type external;
        peer-as 65555;
        neighbor 10.1.1.100;
      }
    }
  }
  instance-type vrf;
  interface ge-0/0/2.0;
  route-distinguisher 65512:1;
  vrf-target target:65512:100;
}
CE-2 {
  protocols {
    bgp {
      group CE-2 {
        type external;
        peer-as 63333;
        neighbor 10.1.2.100;
      }
    }
  }
  instance-type vrf;
  interface ge-0/0/3.0;
  route-distinguisher 65512:2;
  vrf-target target:65512:100;
}
```

Two CE devices (CE-1 and CE-2) belong to the same customer and connect into a single PE device (PE1). However, the CE devices cannot communicate with each other. You want to allow the CE devices to communicate with each other.

Referring to the exhibit, which action would solve the problem?



- A. Configure both routing instances with the set routing-options autonomous-system loops 3 statement.
- B. Configure both routing instances with the as-override statement within the BGP protocol.
- C. Configure both routing instances with the vrf-table-label statement.
- D. Configure both routing instances with the set routing-options auto-export statement.

Correct Answer: D

---

#### QUESTION 4

You are asked to configure a series of interface policers and firewall filters, which include policers, on the same device. You must ensure that the two configuration methods do not conflict.

What are two considerations when performing this task? (Choose two.)

- A. On inbound traffic, firewall filters are applied before interface policers.
- B. On outbound traffic, interface policers are applied before firewall filters.
- C. On outbound traffic, firewall filters are applied before interface policers.
- D. On inbound traffic, interface policers are applied before firewall filters.

Correct Answer: CD

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#### QUESTION 5

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. The multipath parameter should be configured under protocols BGP.
- C. At least two interfaces should be connected to the same EBGP neighbor.
- D. An equal cost AS path for the route is required.
- E. The multihop parameter should be configured under protocols BGP.

Correct Answer: ABD

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