



# JN0-351<sup>Q&As</sup>

Enterprise Routing and Switching Specialist (JNCIS-ENT)

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### QUESTION 1

Given the exhibit, which two statements are correct regarding the graceful-restart state for the BGP groups? (Choose two.)



```
[edit]
user@host# show protocols bgp group IBGP
type internal;
local-address 7.7.7.7;
export no-routes-filter;
graceful-restart {
    restart-time 100;
}
neighbor 1.1.1.1 {
    accept-remote-nexthop;
    import fix-nexthop;
    family inet {
        unicast;
    }
    family inet6 {
        unicast;
    }
}
neighbor 2.2.2.2;
[edit]
user@host# show protocols bgp group EBGP
type external;
multipath;
neighbor 198.168.4.2 {
    family inet {
        unicast;
    }
    peer-as 100;
    local-as 15169;
    multipath;
}
neighbor 198.168.5.2 {
    family inet {
        unicast;
    }
    peer-as 100;
    local-as 15169;
    multipath;
}
neighbor 198.168.6.2 {
    family inet {
        unicast;
    }
    peer-as 100;
    local-as 15169;
    multipath;
}
[edit]
user@host# show routing-options graceful-restart
disable;
```



- A. The graceful-restart capability will be enabled for group IBGP.
- B. The graceful-restart capability will be disabled for group IBGP.
- C. The graceful-restart capability will be disabled for group EBGp.
- D. The graceful-restart capability will be enabled for group EBGp.

Correct Answer: AC

## QUESTION 2

Exhibit

```
user@switch> show spanning-tree bridge
STP bridge parameters
Context ID                : 0
Enabled protocol          : RSTP
  Root ID                 : 4096.00:19:e2:55:36:1e
  Root cost                : 40000
  Root port               : ge-0/0/13.0
  Hello time              : 2 seconds
  Maximum age             : 20 seconds
  Forward delay           : 15 seconds
  Message age             : 2
  Number of topology changes : 2
  Time since last topology change : 72 seconds
Local parameters
  Bridge ID               : 32768.00:19:e2:55:1d:30
  Extended system ID      : 0
  Internal instance ID    : 0
```

Referring to the exhibit, which statement is correct?

- A. The local device is using a bridge priority of 4k.
- B. The root bridge is using a bridge priority of 4k.
- C. The root bridge has not been elected for this RSTP topology.
- D. The local device is the root bridge for this RSTP topology.

Correct Answer: D



Explanation: In a Rapid Spanning Tree Protocol (RSTP) topology, the root bridge is determined by the switch with the lowest bridge priority value<sup>12</sup>. If all switches have the same priority, then the root bridge is assigned to the switch whose MAC address's hex value is the lowest<sup>2</sup>. The default bridge priority value is 32768<sup>32</sup>. However, without the actual exhibit, it's difficult to definitively determine which device is the root bridge. But based on the options provided, if we assume that the local device has a lower bridge priority or a lower MAC address than other devices in the network, then it could be considered as the root bridge for this RSTP topology<sup>45</sup>.

### QUESTION 3

Click the Exhibit button.

You are implementing the network shown in the exhibit. You must ensure that all users can communicate with each other.

What are three steps that should be taken in this scenario? (Choose three.)

- A. You must specify the appropriate Layer 3 IRB interface under each VLAN.
- B. You must define all ports as trunk ports and include all VLANs as members.
- C. You must define all ports as access ports and include the appropriate VLAN as a member.
- D. You must configure a single logical IRB interface with an IP address for each of the three networks.
- E. You must create a unique logical IRB interface for each network and assign an IP address within the appropriate network.

Correct Answer: ACE

### QUESTION 4

You are a network operator who wants to add a second ISP connection and remove the default route to the existing ISP. You decide to deploy the BGP protocol in the network.

What two statements are correct in this scenario? (Choose two.)

- A. IBGP updates the next-hop attribute to ensure reachability within an AS.
- B. IBGP peers advertise routes received from EBGP peers to other IBGP peers.
- C. IBGP peers advertise routes received from IBGP peers to other IBGP peers.
- D. EBGP peers advertise routes received from IBGP peers to other EBGP peers.

Correct Answer: AB

A is correct because IBGP updates the next-hop attribute to ensure reachability within an AS. This is because the next-hop attribute is the IP address of the router that advertises the route to a BGP peer. If the next-hop attribute is not changed by IBGP, it would be the IP address of an external router, which may not be reachable by all routers within the AS. Therefore, IBGP updates the next-hop attribute to the IP address of the router that received the route from an EBGP peer<sup>1</sup>. B is correct because IBGP peers advertise routes received from EBGP peers to other IBGP peers. This is because BGP follows the rule of advertising only the best route to a destination, and EBGP routes have a higher preference than IBGP routes. Therefore, IBGP peers advertise routes learned from an EBGP peer to all BGP peers,



including both EBGP and IBGP peers1.

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#### QUESTION 5

Router-1 and Router-2 must connect through the Internet using a tunneling technology. Hosts that are connected to Router-1 and Router-2 will be sending traffic up to 1500 bytes. The maximum segment size that is supported across the path is 1520 bytes.

Which tunneling technology will allow this communication to take place?

- A. IP-IP tunnel
- B. GRE tunnel
- C. IPsec VPN tunnel mode
- D. IPsec VPN transport mode

Correct Answer: A

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