



# JN0-649<sup>Q&As</sup>

Enterprise Routing and Switching Professional (JNCIP-ENT)

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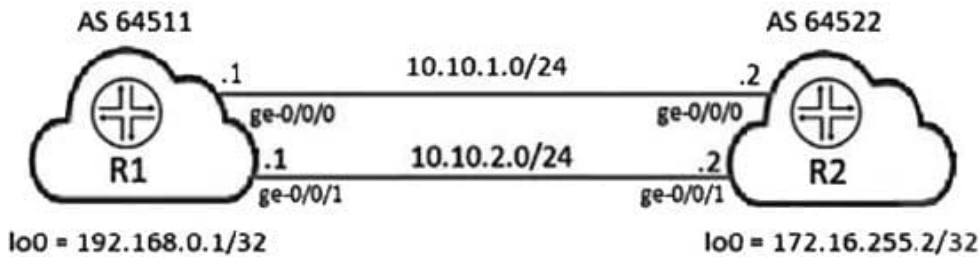




**QUESTION 1**

A BGP network has been designed to provide resiliency and redundancy to a multihomed customer network.

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



```
user@R1# show protocols bgp group ext-peers
type external;
local-address 192.168.0.1;
peer-as 64522;
neighbor 172.16.255.2 {
  multihop {
    ttl 1;
  }
}
```

```
user@R1# show routing-options
autonomous-system 65411;
static {
  route 172.16.255.2/32 next-hop [ 10.10.1.2 10.10.2.2 ];
}
```

```
user@R1> show route 172.16.255.2/32 terse
```

inet.0: 14 destinations, 14 routes (14 active, 0 holddown, 0 hidden)  
+ = Active Route, - = Last Active, \* = Both

| A | V | Destination     | P | Prf | Metric 1 | Metric 2 | Next hop                | AS path |
|---|---|-----------------|---|-----|----------|----------|-------------------------|---------|
| * | ? | 172.16.255.2/32 | S | 5   |          |          | >10.10.1.2<br>10.10.2.2 |         |

```
user@R1> show route forwarding-table matching 172.16.255.2/32
```

```
Routing table: default.inet
Internet:
```

| Destination     | Type | RtRef | Next hop  | Type | Index | NhRef | Netif      |
|-----------------|------|-------|-----------|------|-------|-------|------------|
| 172.16.255.2/32 | user | 1     | 10.10.1.2 | ucst | 590   | 5     | ge-0/0/0.0 |

- A. Both the next hops will be used to forward traffic to R2.
- B. A routing policy will be required to forward traffic to both next hops.
- C. The TTL value of 1 is set to limit the scope of the EBGP session.
- D. The ttl statement must be configured to accommodate peering to a loopback address of a directly connected peer.

Correct Answer: BD



## QUESTION 2

Which address range is used for source-specific multicast?

- A. 239.0.0.0/8
- B. 233.0.0.0/8
- C. 232.0.0.0/8
- D. 224.2.0.0/16

Correct Answer: C

PIM SSM introduces new terms for many of the concepts in PIM sparse mode. PIM SSM can technically be used in the entire 224/4 multicast address range, although PIM SSM operation is guaranteed only in the 232/8 range (232.0.0/24 is reserved).

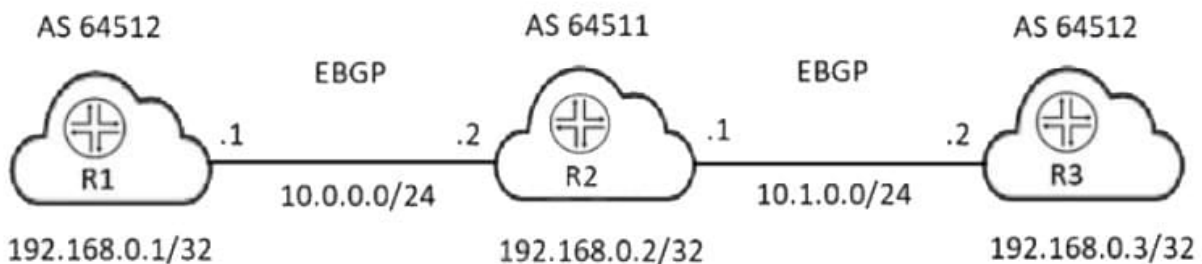
The new SSM terms are appropriate for Internet video applications and are summarized in Table 1.

<https://www.juniper.net/documentation/us/en/software/junos/multicast/topics/concept/multicast-pim-ssm.html>

## QUESTION 3

You are asked to establish full connectivity between all devices in the BGP network.

Referring to the exhibit, which two configuration changes will allow BGP route advertisements? (Choose two.)



- A. On R2, include the loops 2 statement at the [edit protocols bgp family inet unicast] hierarchy.
- B. On R1 and R3, include the loops 2 statement at the [edit protocols bgp family inet unicast] hierarchy.
- C. On R1 and R3, include the advertise-peer-as statement at the [edit protocols bgp group external] hierarchy.
- D. On R2, include the advertise-peer-as statement at the [edit protocols bgp group external] hierarchy.

Correct Answer: BD



<https://www.juniper.net/documentation/us/en/software/junos/bgp/topics/ref/statement/advert-ise-peer-as-edit-protocols-bgp.html>

#### QUESTION 4

Referring to the exhibit, which statement is correct?

```
user@router> show route protocol bgp
inet.0: 562 destinations, 565 routes (558 active, 0 holddown, 5 hidden)
+ = Active Route, - = Last Active, * = Both
203.0.113.0/24      *[BGP/170] 1w3d 05:14:15, localpref 100, from 192.168.10.36
                   AS path: I, validation-state: unverified
                   > to 10.23.23.2 via ae8.0
                   to 10.1.23.2 via ae7.0
                   *[BGP/170] 1w3d 05:14:15, localpref 100, from 192.168.10.36
                   AS path: I, validation-state: unverified
                   > to 10.23.23.2 via ae8.0
...

```

- A. The route is learned from a multihop BGP session.
- B. The route is learned from only one neighbor.
- C. The route is learned from a multipath BGP session.
- D. The route is learned from three different neighbors.

Correct Answer: B

#### QUESTION 5

Which three MSTP parameters must match on all switches in the same MST region? (Choose three.)

- A. forwarding delay
- B. bridge priority
- C. revision number
- D. MSTI-to-VLAN mapping
- E. configuration name

Correct Answer: CDE

<https://www.juniper.net/documentation/us/en/software/junos/stp-l2/topics/topic-map/spanning-tree-configuring-mstp.html>