



642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

Refer to the EBGp configuration on a PE IOS-XR router exhibit.

After the EBGp configuration, no routes are accepted from the EBGp peer, nor are any routes advertised to the EBGp peer.

```
router bgp 65001
 address-family ipv4 unicast
  network 172.16.1.0/24
  network 192.168.1.0/24
 !
 neighbor 10.1.1.1
  remote-as 65002
 !
```

What could be the problem?

- A. The update-source neighbor configuration command must also be configured
- B. The next-hop-self neighbor configuration command must also be configured
- C. EBGp neighbors must have an inbound and outbound route policy configured
- D. An access list is blocking IP protocol 179 packets between the two EBGp peers
- E. The maximum-prefix neighbor configuration command must also be configured

Correct Answer: C

QUESTION 2

Which configuration would an engineer use to exchange IPv6 multicast routes via BGP with a neighbor that does not support the corresponding Multicast SAFI on Cisco IOS XE?

- A.

```
router bgp 100
  bgp router-id 209.165.201.10
  no bgp default ipv4-unicast
  neighbor 2001:DB8::10 remote-as 201
  neighbor 2001:DB8::10 update-source GigabitEthernet 0/10
  address-family ipv6 multicast
  neighbor 2001:DB8::10 activate
  network 2001:DB8:CDCD:1::/64 exit-address-family
```
- B.

```
router bgp 100
  bgp router-id 209.165.201.10
  no bgp default ipv4-unicast
  neighbor 2001:DB8::10 remote-as 201
  neighbor 2001:DB8::10 update-source GigabitEthernet 0/10
  address-family ipv6
  neighbor 2001:DB8::10 translate-update
  ipv6 multicast unicast
  neighbor 2001:DB8::10 activate
  no synchronization
  exit address-family
  address-family ipv6 multicast
  neighbor 2001:DB8::10 activate
  network 2001:DB8:CDCD:1::/64 exit-address-family
```
- C.

```
router bgp 100
  bgp router-id 209.165.201.10
  no bgp default ipv4-unicast
  neighbor 2001:DB8::10 remote-as 201
  neighbor 2001:DB8::10 update-source GigabitEthernet 0/10
  address-family ipv6
  neighbor 2001:DB8::10 activate
  address-family ipv6 multicast
  neighbor 2001:DB8::10 activate
  network 2001:DB8:CDCD:1::/64 exit-address-family
```
- D.

```
router bgp 100
  bgp router-id 209.165.201.10
  no bgp default ipv4-unicast
  neighbor 2001:DB8::10 remote-as 201
```



```
neighbor 2001:DB8::10 update-source GigabitEthernet 0/10 address-family ipv6 neighbor 2001:DB8::10 translate-
update ipv6 multicast unicast no synchronization exit address-family address-family ipv6 multicast neighbor
2001:DB8::10 activate network 2001:DB8:CDCD:1::/64 exit-address-family
```

```
E. router bgp 100 bgp router-id 209.165.201.10 no bgp default ipv4-unicast neighbor 2001:DB8::10 remote-as 201
neighbor 2001:DB8::10 update-source GigabitEthernet 0/10 address-family ipv6 neighbor 2001:DB8::10 send-label
neighbor 2001:DB8::10 override-capability-neg neighbor 2001:DB8::10 activate no synchronization exit address-family
address-family ipv6 multicast network 2001:DB8:CDCD:1::/64 exit-address-family
```

Correct Answer: B

QUESTION 3

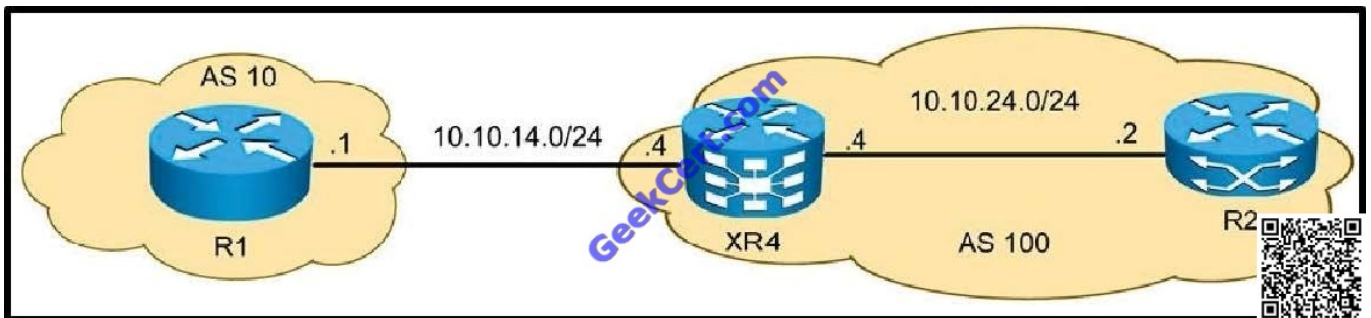
In secure multicast, which protocol is used to distribute secure keys to a multicast group?

- A. ISAKMP
- B. RSA
- C. IPsec
- D. GDOI
- E. SKIP

Correct Answer: D

QUESTION 4

Refer to the exhibit.



XR4 must protect itself from a DOS attack against its BGP process from R1 by using the TTL security feature. Which configuration achieves this goal?

- A. router bgp 100 neighbor 10.10.14.1 ttl-security
- B. router bgp 100 neighbor 10.10.14.1 ttl-security hops 1
- C. router bgp 100 neighbor 10.10.14.1 ttl-security hops 254
- D. router bgp 100 neighbor 10.10.14.1 ttl-security hops 255



Correct Answer: A

QUESTION 5

Select and Place:

Drag the IP multicast characteristic on the left to match the correct multicast service model on the right

Supports SPT switchover	<p>Any Source Multicast (ASM) service model</p> <p>Target</p> <p>Target</p> <p>Target</p>
Requires IGMPv3 support	
Uses (*,G) joins as well as (S,G) joins	
No shared trees Only (S,G) state is built between the source and the receiver	
Uses RPs as the root of the shared tree for a multicast group	
Hosts learn the multicast source address via out-of-band mechanism	
	<p>Source Specific Multicast (SSM) service model</p> <p>Target</p> <p>Target</p> <p>Target</p>

Correct Answer:

Drag the IP multicast characteristic on the left to match the correct multicast service model on the right

	<p>Any Source Multicast (ASM) service model</p> <p>Uses RPs as the root of the shared tree for a multicast group</p> <p>No shared trees Only (S,G) state is built between the source and the receiver</p> <p>Supports SPT switchover</p>
	<p>Source Specific Multicast (SSM) service model</p> <p>Uses (*,G) joins as well as (S,G) joins</p> <p>Requires IGMPv3 support</p> <p>Hosts learn the multicast source address via out-of-band mechanism</p>



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