



642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

Which two commands can be used to implement a valid Cisco IOS XE IPv6 static tunnel configuration? (Choose two.)

- A. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel destination 209.165.201.2 tunnel mode ipv6ip 6to4
- B. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode gre ip
- C. interface Tunnel 100 ipv6 enable ip address 209.165.201.2 tunnel source Loopback 0 tunnel mode ipv6ip 6to4
- D. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode isatap
- E. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode auto-tunnel
- F. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode ipv6ip

Correct Answer: BF

QUESTION 2

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 3

Which difference occurs between intradomain and interdomain routing technology?

- A. PIM is used in intradomain routing technology and uses reverse path forwarding mechanism to implement optimize multicast data forwarding.
- B. MSDP is used in intradomain routing technology to discover the multicast source.
- C. Interdomain routing technology uses MSDP and M-BGP for exchanging multicast routing information.
- D. RP is not needed in intradomain routing technology, but RP is needed in interdomain routing technology to receive multicast traffic.

Correct Answer: A

QUESTION 4

When configuring BFD, the multiplier configuration option is used to determine which value?

- A. The retry interval
- B. The number of BFD packets that can be lost before the BFD peer is declared "down"
- C. The minimum interval between packets accepted from the BFD peers
- D. The number of BFD echo packets that will be originated by the router
- E. The number of routing protocols that will use BFD for fast peer failure detection

Correct Answer: B



bfd multiplier

To set the bidirectional forwarding detection (BFD) multiplier, use the **bfd multiplier** command in the appropriate configuration mode. To return the router to the default setting, use the **no** form of this command.

```
bfd multiplier multiplier
```

```
no bfd multiplier
```

Syntax	Description
<i>multiplier</i>	Number of times a packets is missed before BFD declares the neighbor down. On the Cisco CRS-1, the ranges are: <ul style="list-style-type: none">• BGP—2 to 16• IS-IS—2 to 50• MPLS-TE—2 to 10• OSPF—2 to 50 One the Cisco XR 12000 Series Router, the ranges are: <ul style="list-style-type: none">• BGP—3 to 16• IS-IS—3 to 50• MPLS-TE—3 to 10• OSPF—3 to 50



QUESTION 5

What is determined by running the same hash algorithm on all PIMv2 routers?

- A. The SPT from the RP to the multicast source
- B. The SPT from the last hop router to the multicast source
- C. Auto RP election
- D. Which BSR to use for a particular multicast group
- E. Which RP to use from a set of candidate RPs in the RP set

Correct Answer: E



bsr candidate-bsr

To configure the router to announce its candidacy as a bootstrap router (BSR), use the **bsr candidate-bsr** command in router pim configuration mode. To return to the default behavior, use the no form of this command.

```
bsr candidate-bsr ip-address [hash-mask-len length] [priority value]
no bsr candidate-bsr ip-address [hash-mask-len length] [priority value]
```

Syntax Description

<i>ip-address</i>	IP address of the BSR router for the domain. For IPv4, this is an IP address in four-part dotted-decimal notation. For IPv6, the IP address is specified in hexadecimal format using 16-bit values between colons.
<i>hash-mask-len length</i>	(Optional) Length of a mask that is to be used in the hash function. <ul style="list-style-type: none"> • All groups with the same seed hash (correspond) to the same RP. For example, if this value is 24, only the first 24 bits of the group addresses matter. This fact allows you to get one RP for multiple groups. • For IPv4 addresses, a value of 30 is recommended. The range is 0 to 32. • For IPv6 addresses, a value of 126 is recommended. The range is 0 to 128.
<i>priority value</i>	(Optional) Priority of the candidate BSR. Range is 1 to 255. The BSR with the higher priority is recommended. If the priority values are the same, the router with the higher IP address is the BSR.





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