



# 642-883<sup>Q&As</sup>

Deploying Cisco Service Provider Network Routing

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### QUESTION 1

When configuring BGP on Cisco IOS XR Software, which address-family is enabled by default?

- A. IPv4 unicast
- B. IPv6 unicast
- C. VPNv4
- D. IPv4 unicast and IPv6 unicast
- E. IPv4 unicast and IPv6 unicast and VPNv4
- F. No address-family is enabled by default.

Correct Answer: F

[http://www.cisco.com/en/US/docs/ios\\_xr\\_sw/iosxr\\_r3.8/routing/command/reference/rr38bgp.pdf](http://www.cisco.com/en/US/docs/ios_xr_sw/iosxr_r3.8/routing/command/reference/rr38bgp.pdf)

An address family must be explicitly configured in the router configuration mode for the address family to be active in BGP. Similarly, an address family must be configured under the neighbor for the BGP session to be established for that address family. An address family must be configured in router configuration mode before it can be configured under a neighbor.

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### QUESTION 2

An engineer is working on routers within AS 100. Which regular expression can be used in an AS path access list to match locally originated routes from AS 100?

- A. ^100\$
- B. ^\$
- C. \_100\$
- D. ^[0-9]\*\$

Correct Answer: B

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### QUESTION 3

Which configuration is used when matching a prefix-list in a route map?

- A. match ip address prefix-list mylist
- B. match ip address mylist
- C. match ip next-hop mylist
- D. ip local-policy route-map mylist



E. ip-policy route-map mylist

Correct Answer: A

#### QUESTION 4

A Network Operation Center requires support to understand OSPFv3 neighborship operations. During a migration, two OSPFv3 routers became adjacent even though no common subnets were configured on the link interfaces. Which statement explains this problem?

- A. This problem is a bug in Cisco IOS XE, which requires a case to be open with Cisco TAC and an immediate Cisco IOS upgrade to avoid security breaches and rerouting attacks.
- B. IPv6 needs only the link-local address to form an OSPFv3 neighborship.
- C. The Network Operation Center Engineers did not notice a supernet configured on one end of the IPv6 link.
- D. The Network Operation Center Engineers did not add the secondary keyword after the IPv6 address, which causes the router to overwrite the main address.

Correct Answer: B

#### QUESTION 5

Refer to the exhibit.

```
router ospf 100
bfd minimum-interval 2
bfd multiplier 20
area 0
interface gigabitEthernet 0/3/0/1
interface gigabitEthernet 0/3/0/2
end
```

Which Cisco IOS XR configuration is missing to complete the configuration task of enabling BFD with only the OSPF peer over the gi0/3/0/1 interface in area 0?

- A. bfd fast-detect also needs to be enabled globally under router ospf 100. RP/0/RSP0/CPU0:P1(config-ospf)#bfd fast-detect
- B. bfd fast-detect also needs to be enabled for the OSPF area under area 0. RP/0/RSP0/CPU0:P1(config-ospf-ar)#bfd fast-detect
- C. bfd fast-detect also needs to be enabled for the OSPF interface under area 0 interface gi0/3/0/1. RP/0/RSP0/CPU0:P1(config-ospf-ar-if)#bfd fast-detect
- D. bfd fast-detect also needs to be enabled globally on the router. RP/0/RSP0/CPU0:P1(config)#bfd fast-detect
- E. bfd fast-detect also needs to be enabled on the gi0/3/0/1 interface under interface gi0/3/0/1. RP/0/RSP0/CPU0:P1(config-if)#bfd fast-detect



Correct Answer: C

bfd fast-detect

To enable Bidirectional Forwarding Detection (BFD) to detect failures in the path between adjacent forwarding engines, use the bfd fast-detect command in the appropriate configuration mode. To return the software to the default state in which BFD is not enabled, use the no form of this command.

bfd fast-detect [disable | ipv4] no bfd fast-detect

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