



642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

Which two features are used to provide high availability multicast? (Choose two.)

- A. BFD
- B. NSF/SSO
- C. PIM NSR
- D. PIM triggered join
- E. IGMP triggered report
- F. MSDP

Correct Answer: BD

Triggered joins are sent when the primary or the secondary RPF information changes. No RPF change prunes are sent for MoFRR streams.

mofrr

To perform a fast convergence (multicast-only fast reroute, or MoFRR) of specified routes/flows when a failure is detected on one of multiple equal-cost paths

between the router and the source, use the mofrr command under PIM configuration mode.

mofrr rib acl_name

no rib acl_name

QUESTION 2

A junior network engineer has just configured a new IBGP peering between two Cisco ASR9K PE routers in the network using the loopback interface of the router, but the IBGP neighborhood is not able to be established. Which two verification steps will be helpful in troubleshooting this problem? (Choose two.)

- A. Verify that the network command under router BGP is configured correct on each router for announcing the router's loopback interface in BGP
- B. Verify that the ibgp-multihop command under the BGP neighbor is configured correctly on each router
- C. Verify that the loopback interfaces are reachable over the IGP
- D. Verify that the update-source loopback command under the BGP neighbor is configured correctly on each router
- E. Verify that the ttl-security command under the BGP neighbor is configured correctly on each router to enable the router to send the BGP packets using a proper TTL value
- F. Verify that the UDP port 179 traffic is not being blocked by an ACL or firewall between the two IBGP peers

Correct Answer: CD



QUESTION 3

What is enabled by default on Cisco IOS-XR routers and cannot be disabled?

- A. SSH server
- B. Multicast routing
- C. IPv4 and IPv6 CEF
- D. IPv6 routing
- E. CDP
- F. BFD

Correct Answer: C

Before using the BGP policy accounting feature, you must enable BGP on the router (CEF is enabled by default).

QUESTION 4

Which two statements correctly describe the BGP ttl-security feature? (Choose two.)

- A. This feature protects the BGP processes from CPU utilization-based attacks from EBGP neighbors which can be multiple hops away
- B. This feature prevents IBGP sessions with non-directly connected IBGP neighbors
- C. This feature will cause the EBGP updates from the router to be sent using a TTL of 1
- D. This feature needs to be configured on each participating BGP router
- E. This feature is used together with the ebgp-multihop command

Correct Answer: AD

<http://packetlife.net/blog/2009/nov/23/understanding-bgp-ttl-security/>

QUESTION 5

Which command configures a Source Specific Multicast on a Cisco IOS XR router?

- A. `configure multicast-routing address-family ipv4 interface all enable exit router igmp version 3 commit`
- B. `configure multicast-routing address-family ipv4 interface all enable exit router igmp version 2 commit`
- C. `configure multicast-routing address-family ipv4 interface all enable exit router igmp version 1 commit`
- D. `configure interface all enable exit router igmp version 3 commit`



Correct Answer: A

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