



Vendor: Cisco

Exam Code: 642-885

Exam Name: Building Cisco Service Provider Next-
Generation Networks, Part 1 (SPNGN1)

Version: DEMO

QUESTION 1

When a BGP route reflector receives an IBGP update from a non-client IBGP peer, the route reflector will then forward the IBGP updates to which other router(s)?

- A. To the other clients only
- B. To the EBGP peers only
- C. To the EBGP peers and other clients only
- D. To the EBGP peers and other clients and non-clients

Answer: C

QUESTION 2

Which two BGP mechanisms are used to prevent routing loops when using a design with redundant route reflectors? (Choose two.)

- A. Cluster-list
- B. AS-Path
- C. Originator ID
- D. Community
- E. Origin

Answer: AC

QUESTION 3

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

Answer: AD

QUESTION 4

When implementing source-based remote-triggered black hole filtering, which two configurations are required on the edge routers that are not the signaling router? (Choose two.)

- A. A static route to a prefix that is not used in the network with a next hop set to the Null0 interface
- B. A static route pointing to the IP address of the attacker
- C. uRPF on all external facing interfaces at the edge routers
- D. Redistribution into BGP of the static route that points to the IP address of the attacker
- E. A route policy to set the redistributed static routes with the no-export BGP community

Answer: AC

QUESTION 5

In Cisco IOS-XR, the maximum-prefix command, to control the number of prefixes that can be

installed from a BGP neighbor, is configured under which configuration mode?

- A. RP/0/RSP0/CPU0:P2(config-bgp)#
- B. RP/0/RSP0/CPU0:P2(config-bgp-af)#
- C. RP/0/RSP0/CPU0:P2(config-bgp-nbr)#
- D. RP/0/RSP0/CPU0:P2(config-bgp-nbr-af)#

Answer: D

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