



# 300-510<sup>Q&As</sup>

Implementing Cisco Service Provider Advanced Routing Solutions  
(SPRI)

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### QUESTION 1

Which cost is the default when redistributing routes from BGP to OSPF?

- A. 20
- B. 1
- C. infinite
- D. automatic

Correct Answer: B

Reference: <http://www.ciscopress.com/articles/article.asp?p=27573>

### QUESTION 2

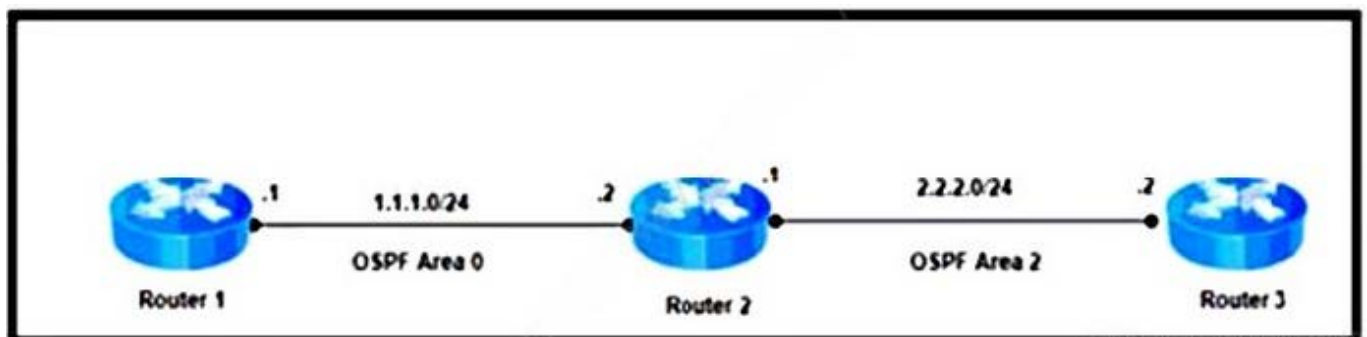
What is the role of a segment routing mapping server?

- A. It advertises a local SID mapping policy to all of the mapping clients
- B. It works with IGP instances to calculate the prefix-SIDs in the absence of a mapping policy
- C. It selects multiple mapping entries to create overlapping active mapping policies
- D. It reads and translates remotely received SIDs from other mapping servers to create SID mapping entries

Correct Answer: A

### QUESTION 3

Refer to the exhibit



A network engineer installed a new router (router 3) at the regional hub running MPLS services for scalability Router 3 is connected to the 10.44.4.0/24, 10.44.5.0/24, 10.44.6.0/24, and 10.44.7.0/24 subnets

The new router has been configured for OSPF area 2, and it is advertising the four connected networks.



The engineer noticed that the same networks are listed as interarea summary routes, and they are being flooded into each area on the area borders

Which action resolves the issue?

- A. On router 3, configure an access list to filter the networks.
- B. On router 2, configure a route map to filter the networks.
- C. Under the OSPF configuration on router 3, add area 2 range 10.44.4.0 255.255.252.0.
- D. Under the OSPF configuration on router 2, add area 2 range 10.44.4.0 255.255.252.0.

Correct Answer: D

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#### QUESTION 4

You have configured MSDP peering between two autonomous systems that pass traffic between two sites, but the peering has failed to come up. Which task do you perform to begin troubleshooting the problem?

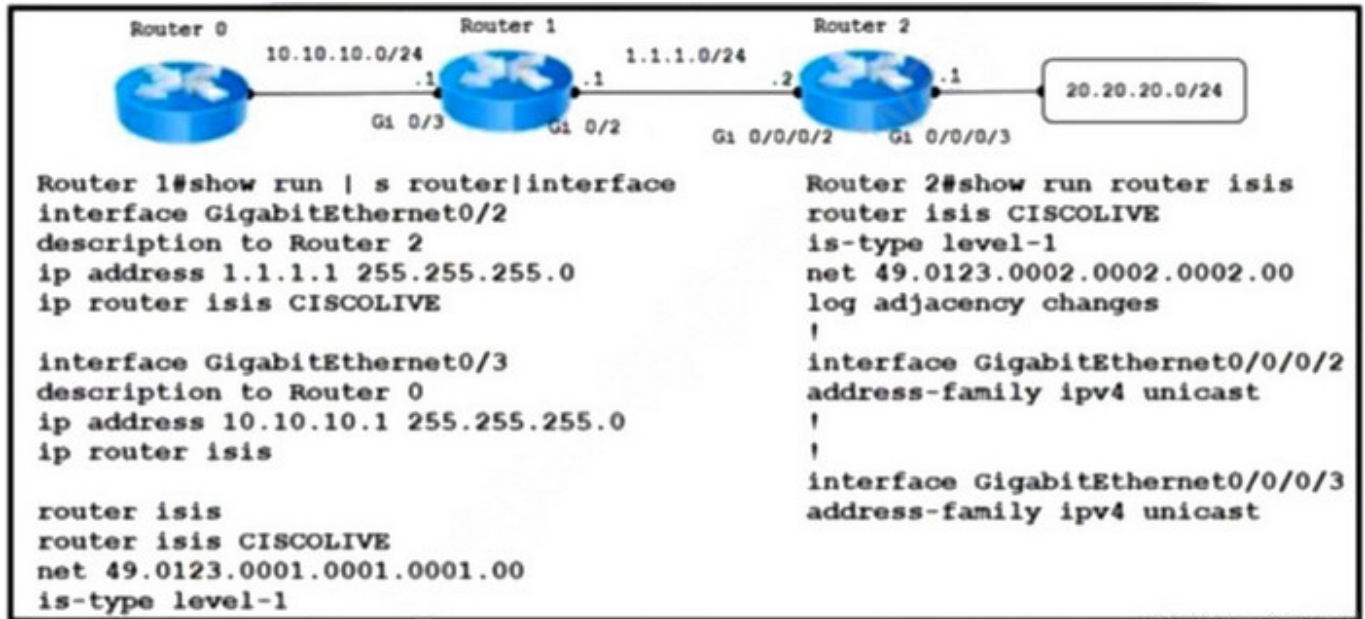
- A. Verify that multicast has been disabled globally
- B. Verify that PIM-DM is configured on the source interface
- C. Verify that both source interfaces are reachable from both peers
- D. Verify that the two MSDP peers allow asymmetric routing

Correct Answer: C

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#### QUESTION 5

Refer to the exhibit.



An engineer is troubleshooting a network routing issue on this IS-IS network situated at the customer's regional hub. Router 2 that runs Cisco IOS XR Software cannot see the network 10.10.10.0/24 on router 1. The Layer 2 encapsulations are correct. The ARP connectivity for the Ethernet interface that runs IS-IS is working. Which action resolves the issue?

- A. On router 1, remove the CISCOLIVE keyword after the ip router isis command under interface GigabitEthernet0/2.
- B. Under the router isis command on router 2, change is-type level-1 to is-type level-2.
- C. Under the router isis command on router 1, change is-type level-1 to is-type level-2.
- D. On router 1, add the CISCOLIVE keyword after the ip router isis command under interface GigabitEthernet0/3.

Correct Answer: D

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