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Implementing Cisco Service Provider Advanced Routing Solutions (SPRI)

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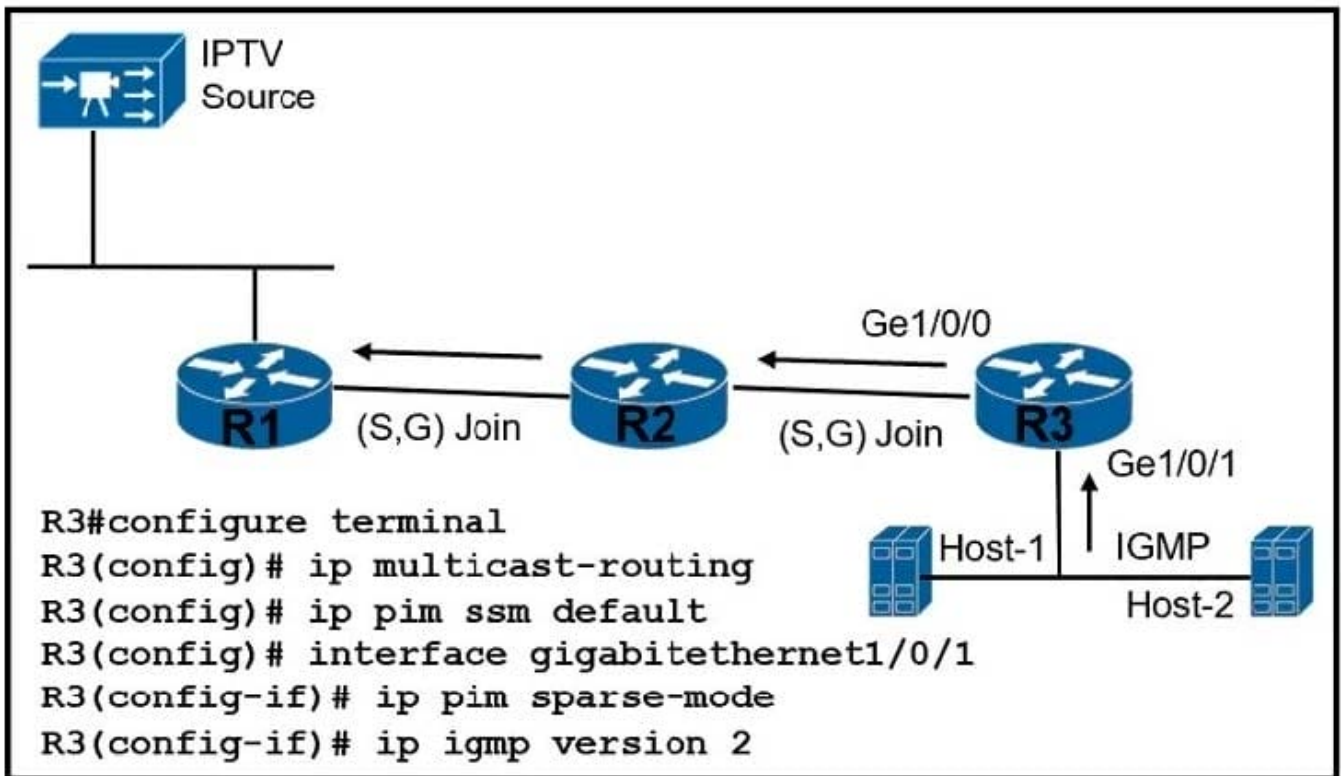
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QUESTION 1

An engineer is working to implement segment routing protocol on the customer\\'s core network. Which step should the engineer take before the segment routing is enabled and is running with BGP?

A. Segment routing must be configured with ISIS.

B. Segment routing must be configured with EIGRP.

C. Explicit-null must be configured for all neighbors.

D. MPLS must be configured.

Correct Answer: D

QUESTION 2

Refer to the exhibit.

A customer reports that Host-1 is failing to receive streaming traffic from the IPTV source. The engineer has confirmed that hosts on router R2 are receiving traffic normally and that Host-1 is correctly sending subscription messages to join the IPTV stream. Which action must the engineer take to correct the problem?

A. Remove IP PIM SSM and IGMP from interface GigabitEthernet 1/0/1 on R3 and configure under global configuration

B. Configure IGMP version 3 under interface GigabitEthernet 1/0/1 on R3

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C. Configure IP PIM SSM and IGMP version 2 under interface GigabitEthernet 1/0/1 on R3

D. Remove IP PIM SSM from the global configuration on R3 and configure it under the GigabitEthernet 1/0/1 interface

Correct Answer: B

QUESTION 3

What Is a characteristic of a segment routing mapping server?

A. It must be placed in the core of the network.

B. It serves multiple VRFs.

C. It must have an IGP adjacency.

D. It applies SID mappings from one IGP instance to another IGP instance.

Correct Answer: C

QUESTION 4

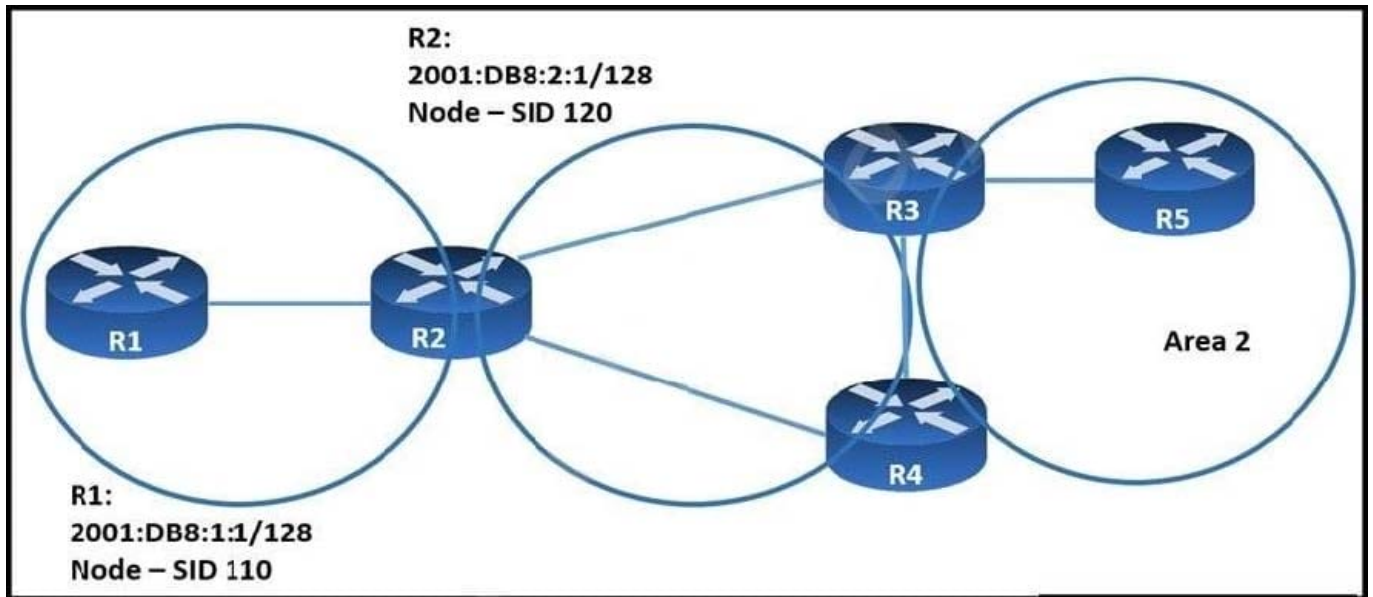In a PIM-SM environment, which mechanism determines the traffic that a receiver receives?

A. The receiver explicitly requests its desired traffic from the RP on the shared tree.

B. The receiver explicitly requests traffic from a single source, which responds by forwarding all traffic.

C. The RP on the shared tree floods traffic out of all PIM configured interfaces.

D. The receiver explicitly requests traffic from each desired source, which responds by sending all traffic.

Correct Answer: A

A shared tree is built first between receiver and the RP. The receiver is then able to switch to a Source tree as needed.

QUESTION 5

Refer to the exhibit.

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When implementing SRv6, which SID does R2 propagate into area 0 for the prefix 2001:DB8:1:1/128?

A. 120

B. 230

C. 110

D. 10

Correct Answer: A