



300-510^{Q&As}

Implementing Cisco Service Provider Advanced Routing Solutions
(SPRI)

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QUESTION 1

Refer to the exhibit.



```
RP/0/0/CPU/0:P1#  
!  
key chain BGP  
key 1  
accept-lifetime 13:14:06 february 14 1993 infinitive  
send-lifetime 13:14:06 february 14 1993 infinitive  
key-string password cisco123  
cryptographic-algorithm MD5  
!  
!  
router bgp 1  
address-family ipv4 unicast  
!  
neighbor 192.168.13.3  
    remote-as 1  
    keychain BGP  
    address-family ipv4 unicast
```

```
RP/0/0/CPU/0:PE3#  
!  
key chain BGP  
key 1  
accept-lifetime 13:14:06 february 14 1993 infinitive  
send-lifetime 13:14:06 february 14 1993 infinitive  
key-string password cisco123  
cryptographic-algorithm MD5  
!  
!  
router bgp 1  
address-family ipv4 unicast  
!  
neighbor 192.168.13.1  
    remote-as 1  
    keychain BGP  
    address-family ipv4 unicast
```

P1 and PE3 Cisco IOS XR routers are directly connected and have this configuration applied. The BGP session is not



coming up. Assume that there is no IP reachability problem and both routers can open tcp port 179 to each other. Which two actions fix the issue? (Choose two.)

- A. Change MD5 to HMAC-SHA1-12
- B. Change MD5 to HMAC-ESP
- C. Change MD5 to SHA-1
- D. Change MD5 to HMAC-MD5
- E. Remove the send and accept lifetime under key 1

Correct Answer: AD

Reference: https://www.cisco.com/c/en/us/td/docs/routers/crs/software/crs_r4-0/security/configuration/guide/sc40crsbook_chapter5.html

QUESTION 2

DRAG DROP

Drag and drop the features about multicast from the left onto the multicast protocols on the right. Not all options are used.

Select and Place:



Its mroute entry is (*,G) in most environments.

Its mroute entry is (S,G).

The receiver becomes aware of the sender only when it receives a message.

The receiver specifies the multicast addresses from which it wants to receive traffic.

It uses IGMPv3.

It uses IGMPv2.

SSM

ASM

Correct Answer:



The receiver becomes aware of the sender only when it receives a message.

SSM

Its mroute entry is (S,G).

It uses IGMPv3.

The receiver specifies the multicast addresses from which it wants to receive traffic.

ASM

Its mroute entry is (*,G) in most environments.

It uses IGMPv2.



QUESTION 3

Which two methods represent IPv6 tunneling implementations? (Choose two.)

- A. IPv6 over GRE tunneling
- B. manually configured tunnels
- C. automatic tunnels
- D. 6to4 tunneling
- E. IPv6 over an IPv4 tunnel over MPLS

Correct Answer: BC

QUESTION 4

Which difference must an engineer consider when Implementing Inter-domain and Intra- domain multicast routing on the network?

- A. Intra-domain routing allows the service provider to control incoming and outgoing multicast data streams on its network, but inter-domain routing limits the service provider's control.
- B. Intra-domain routing uses the PIM and MBGP protocols for multicast routing, but inter- domain routing must use PIM.SSM or MSDP.
- C. Intra-domain routing is dependent on the RP router within the same SP network, but inter-domain routing reduces the dependency on the other SP network.
- D. Inter-domain routing supports policy routing to connect different multicast domains using PIM.SM, but intra-domain routing supports policy routing using PIM-SM only within a single domain.

Correct Answer: C

QUESTION 5

Which two routing protocols have extensions capable of running SRv6? (Choose two.)

- A. OSPF
- B. BGP
- C. RIP
- D. IGRP
- E. EIGRP

Correct Answer: AB



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