



642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

Which protocol can be used to secure multicast in a group multicast solution where group key management is needed for secure key exchange?


- A. DOI
- B. ISAKMP
- C. GDOI
- D. IPsec

Correct Answer: C

QUESTION 2

Refer to the exhibit.

```
interface loopback 0
  ipv4 address 10.0.0.1/24
  no shutdown
!
interface loopback 1
  ipv4 address 10.2.0.1/24
  no shutdown
!
ipv4 access-list acl1
  10 permit 224.11.11.11 0.0.0.0 any
!
ipv4 access-list acl2
  10 permit 224.99.99.99 0.0.0.0 any
!
multicast-routing
  interface all enable
!
router pim
  auto-rp mapping-agent loopback 0 scope 15 interval 60
  auto-rp candidate-rp loopback 0 scope 15 group-list acl1 interval 60 bidir
  auto-rp candidate-rp loopback 1 scope 15 group-list acl2 interval 60
!
end
```



Which three statements are correct regarding the Cisco IOS-XR configuration? (Choose three.)



- A. This router, acting as the RP mapping agent, will send RP announcement messages to the 224.0.1.40 group
- B. This router, acting as the RP mapping agent, will send RP discovery messages to the 224.0.1.39 group
- C. This router is the RP mapping agent only for the 224.11.11.11 and 224.99.99.99 multicast groups
- D. This router is a candidate PIM-SM RP for the 224.99.99.99 multicast group
- E. This router is a candidate PIM-BIDIR RP for the 224.11.11.11 multicast group
- F. IGMPv3 is enabled on all interfaces
- G. Other routers will recognize this router as the RP for all multicast groups with this router loopback 0 IP address

Correct Answer: DEF

QUESTION 3

Select and Place:

Referring to the **bgp dampening** command shown below.

Drag the BGP route dampening configuration parameter on the left to match the correct description on the right.

Note: One of the description on the right is a distractor and has no matching value.

RP/0/RP0/CPU0:router(config-bgp-af)# **bgp dampening 60 600 2400 240**

60	The penalty for each flap
600	Suppress a route when its penalty exceeds this value
2400	The amount of time for the penalty to decrease to one-half of its current value
240	If a flapping route penalty decreases and falls below this value, the route is unsuppressed.
	The maximum time a route can be suppressed

Correct Answer:



Referring to the **bgp dampening** command shown below.

Drag the BGP route dampening configuration parameter on the left to match the correct description on the right.

Note: One of the description on the right is a distractor and has no matching value.

```
RP/0/RP0/CPU0:router(config-bgp-af)# bgp dampening 60 600 2400 240
```

	The penalty for each flap
	2400
	60
	600
	240

QUESTION 4

Which two commands can be used to implement a valid Cisco IOS XE IPv6 static tunnel configuration? (Choose two.)

- A. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel destination 209.165.201.2 tunnel mode ipv6ip 6to4
- B. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode gre ip
- C. interface Tunnel 100 ipv6 enable ip address 209.165.201.2 tunnel source Loopback 0 tunnel mode ipv6ip 6to4
- D. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode isatap
- E. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode auto-tunnel
- F. interface Tunnel100 ipv6 enable ipv6 address 2001:DB8::1/128 tunnel source Ethernet 0/1 tunnel destination 209.165.201.2 tunnel mode ipv6ip

Correct Answer: BF

QUESTION 5

When implementing Anycast RP, the RPs are also required to establish which kind of peering with each other?

- A. BGP
- B. Multiprotocol BGP



C. MSDP

D. Bidirectional PIM

E. PIM SSM

Correct Answer: C

http://www.cisco.com/en/US/docs/ios/solutions_docs/ip_multicast/White_papers/anycast.html

Using Anycast RP is an implementation strategy that provides load sharing and redundancy in Protocol Independent Multicast sparse mode (PIM-SM) networks. Anycast RP allows two or more rendezvous points (RPs) to share the load for source registration and the ability to act as hot backup routers for each other. Multicast Source Discovery Protocol (MSDP) is the key protocol that makes Anycast RP possible.

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