



642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

The bsr-border router PIM interface configuration command is used for what purpose?

- A. To enable the router as the candidate RP
- B. To enable the router as the candidate BSR
- C. To enable the router as the BSR mapping agent
- D. To set up an administrative boundary to prevent BSR messages from being sent out through an interface
- E. To define a boundary to restrict the RP discovery and announcement messages from being sent outside the PIM-SM domain

Correct Answer: D

<pre>bar-border Example: RP/0/RP0/CPU0:router (config-pim-ipv4-if)# bar-border</pre>	<p>Stops the forwarding of bootstrap router (BSR) messages on a Protocol Independent Multicast (PIM) router interface.</p>
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QUESTION 2

A network engineer is working for an ISP and a current eBGP customer requests to enable the BGP TTL security feature. The engineer sees from the current established BGP session that the eBGP peer is directly connected and the ebgp-multihop feature is already in use with a value of one. Which two actions are needed on the Cisco IOS XR router to accomplish the task? (Choose two.)

- A. Configure the neighbor with the command ttl-security.
- B. Disable the eBGP-multihop feature.
- C. Clear the BGP session for the configuration change to take effect.
- D. Enable the BGP TTL security and the BGP peer resets automatically for the change to take effect.
- E. Configure the neighbor with the command ttl-security 254.

Correct Answer: AC

QUESTION 3

Which information does the multicast supported router need to forward the multicast traffic over the source or shared tree?



- A. source address
- B. multicast address
- C. destination address
- D. mGRE headers
- E. MDT Data

Correct Answer: C

QUESTION 4

Refer to the Cisco IOS-XR show output exhibit.

```
RP/0/RSP0/CPU0:PE1#show mrib route
Thu Dec 1 19:14:38.044 UTCIP Multicast Routing Information Base
Entry flags: L - Domain-Local Source, E - External Source to the Domain,
C - Directly-Connected Check, S - Signal, IA - Inherit Accept,
IF - Inherit From, D - Drop, MA - MDT Address, ME - MDT Encap,
MD - MDT Decap, MT - MDT Threshold Crossed, MH - MDT interface handle
CD - Conditional Decap, MPLS - MPLS Decap, MF - MPLS Encap, EX - Extranet
MoFE - MoFRR Enabled, MoFS - MoFRR State
Interface flags: F - Forward, A - Accept, IC - Internal Copy,
NS - Negate Signal, DP - Don't Preserve, SP - Signal Present,
II - Internal Interest, ID - Internal Disinterest, LI - Local Interest,
LD - Local Disinterest, DI - Decapsulation Interface
EI - Encapsulation Interface, MI - MDT Interface, LVIF - MPLS Encap,
EX - Extranet, A2 - Secondary Accept

<output omitted>

(*,224.1.1.1) RPF nbr: 192.168.11.1 Flags: C
Up: 14:34:53
Incoming Interface List
  GigabitEthernet0/0/0/2 Flags: A NS, Up: 14:34:53
Outgoing Interface List
  Loopback0 Flags: F IC NS II LI, Up: 14:34:53
  GigabitEthernet0/0/0/0 Flags: F NS, Up: 14:34:33
```

Which two statements are correct? (Choose two.)

- A. The RPF neighbor 192.168.11.1 is the path towards the RP for the 224.1.1.1 multicast group



- B. The RP for the 224.1.1.1 multicast group is reachable over the Gi0/0/0/0 interface
- C. This router is the RP for the 224.1.1.1 multicast group
- D. Incoming 224.1.1.1 multicast group traffic will be sent out through the Gi0/0/0/0 interface
- E. Incoming 224.1.1.1 multicast group traffic will be sent out through the Gi0/0/0/2 interface

Correct Answer: AD

QUESTION 5

Which two functions are supported for BGP extension MP-BGP for IP multicasting? (Choose two.)

- A. A network can support incongruent unicast and multicast topologies.
- B. A network can support congruent unicast and multicast topologies.
- C. MP-BGP is an enhanced BGP that carries routing information for multiple network layer protocols and IP multicast routes.
- D. MP-BGP carries single sets of routes for unicast routing and multicast routing.
- E. MP-BGP is useful when a link dedicated to multicast and unicast traffic is desired.

Correct Answer: AC

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