



# 642-885<sup>Q&As</sup>

Deploying Cisco Service Provider Advanced Routing

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**QUESTION 1**

What is one of the configuration errors within an AS that can stop a Cisco IOS-XR router from announcing certain prefixes to its EBGp peers?

- A. Some prefixes were mistagged with the no-export BGP community
- B. Some prefixes were set with an MED of 0
- C. The outbound BGP route policy only has set actions defined without any pass actions defined
- D. The inbound BGP route policy only has set actions defined without any pass actions defined

Correct Answer: A

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**QUESTION 2**

R1 is designated as the PIM RP within the SP core. Which two configuration parameters must be used to enable and activate R1 as the BSR and RP for the core environment? (Choose two.)

- A. ip pim send-rp-announce loopback0 scope 16
- B. ip pim bsr-candidate loopback0
- C. ip pim send-rp-discovery loopback0 scope 16
- D. ip pim rp-candidate loopback0
- E. ip pim send-RP-announce loopback0 scope 16 group-list 1

Correct Answer: BD

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**QUESTION 3**

On Cisco IOS-XR, which BGP configuration group allows you to define address-family independent commands and address-family dependent commands for each address family?

- A. neighbor-group
- B. session-group
- C. af-group
- D. peer-group

Correct Answer: A

-Commands relating to a peer group found in Cisco IOS Release 12.2 have been removed from Cisco IOS XR software. Instead, the af-group, session-group, and neighbor-group configuration commands are added to support the neighbor in Cisco IOS XR software: The af-group command is used to group address family-specific neighbor commands within an IPv4 or IPv6 address family. Neighbors that have the same address family configuration are able to use the address



family group name for their address family-specific configuration. A neighbor inherits the configuration from an address family group by way of the use command. If a neighbor is configured to use an address family group, the neighbor will (by default) inherit the entire configuration from the address family group. However, a neighbor will not inherit all of the configuration from the address family group if items are explicitly configured for the neighbor. The session-group command allows you to create a session group from which neighbors can inherit address family-independent configuration. A neighbor inherits the configuration from a session group by way of the use command. If a neighbor is configured to use a session group, the neighbor (by default) inherits the session group's entire configuration. A neighbor does not inherit all the configuration from a session group if a configuration is done directly on that neighbor. The neighbor-group command helps you apply the same configuration to one or more neighbors. Neighbor groups can include session groups and address family groups. This additional flexibility can create a complete configuration for a neighbor. Once a neighbor group is configured, each neighbor can inherit the configuration through the use command. If a neighbor is configured to use a neighbor group, the neighbor (by default) inherits the neighbor group's entire BGP configuration. However, a neighbor will not inherit all of the configuration from the neighbor group if items are explicitly configured for the neighbor. In addition, some part of the neighbor group's configuration could be hidden if a session group or address family group was also being used

#### QUESTION 4

Refer to the exhibit.

```
router bgp 64500
bfd multiplier 2
bfd minimum-interval 20
address-family ipv4 unicast
network 10.1.1.0/24
!
address-family ipv6 unicast
!
neighbor 192.168.1.1
remote-as 65001
address-family ipv4 unicast
!
end
```

Which configuration is missing to complete the configuration task of enabling BFD with the 192.168.1.1 EBGP peer?

- A. bfd fast-detect also needs to be enabled globally under router bgp 64500 RP/0/RSP0/CPU0:P1(config-bgp)#bfd fast-detect
- B. bfd fast-detect also needs to be enabled for the address-family under address-family ipv4 unicast RP/0/RSP0/CPU0:P1(config-bgp-af)#bfd fast-detect
- C. bfd fast-detect also needs to be enabled for the 192.168.1.1 neighbor under neighbor 192.168.1.1 RP/0/RSP0/CPU0:P1(config-bgp-nbr)#bfd fast-detect
- D. bfd fast-detect also needs to be enabled for the 192.168.1.1 neighbor address-family under neighbor 192.168.1.1 address-family ipv4 unicast RP/0/RSP0/CPU0:P1(config-bgp-nbr-af)#bfd fast-detect
- E. bfd fast-detect also needs to be enabled globally on the router RP/0/RSP0/CPU0:P1(config)#bfd fast-detect



Correct Answer: C

### bfd fast-detect

To enable bidirectional forwarding detection (BFD) to detect failures in the path between adjacent forwarding engines, use the **bfd fast detect** command in the appropriate configuration mode. To return the software to the default state in which BFD is not enabled, use the **no** form of this command.

**bfd fast-detect** [**disable** | **ipv4**]

**no bfd fast-detect**

### Syntax Description

<b>disable</b>	Prevents BFD settings from being inherited from the parent.
<b>ipv4</b>	Enables Intermediate System-to-Intermediate System (IS-IS) BFD detection of failures in the path between adjacent forwarding engines. <b>Note</b> The <b>ipv4</b> keyword is available in IS-IS router configuration mode only.

### Defaults

BFD is not enabled.

### Command Modes

**BGP configuration mode**

- Neighbor configuration
- Session group configuration
- Neighbor group configuration

**IS-IS router configuration mode**

Interface configuration

**MPLS-TE configuration mode**

Interface configuration

**OSPF router configuration mode**

- Router configuration
- Area configuration
- Area Interface configuration

### QUESTION 5



**Instructions**

Enter the proper CLI commands and analyze the outputs on the Cisco routers to answer the multiple-choice questions.

From the network topology diagram, click on each of the router icon to gain access to the console of each router.

No console or enable passwords are required.

There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

Not all the CLI commands or commands options are supported or required for this simulation.

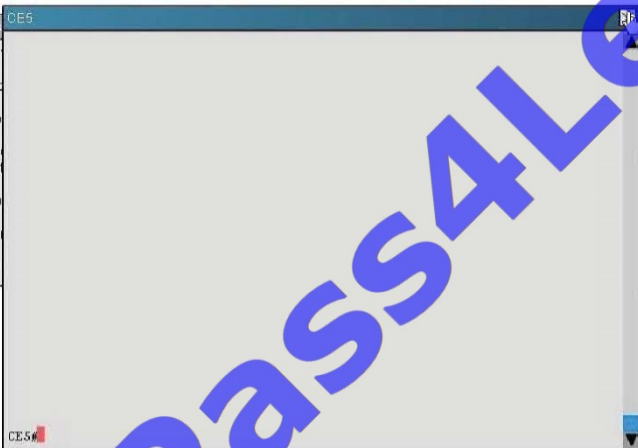
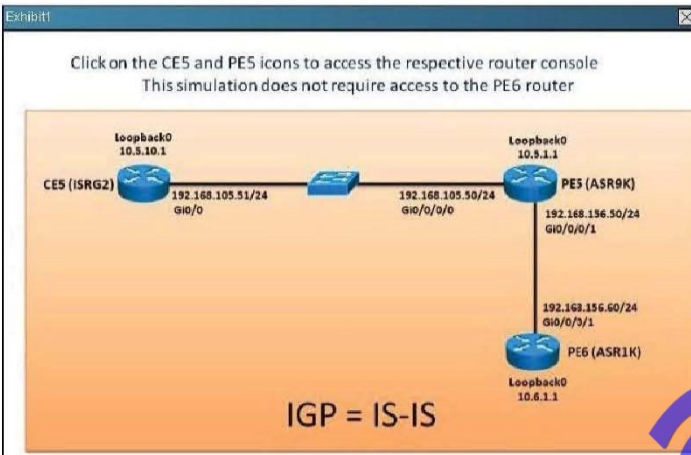
For example, the show running-config and the ping commands are **NOT** supported in this simulation.

All the devices in this simulation have been pre-configured and you are not required to enter in any configurations.

**Scenario**

Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on the CE5, PE5 and PE6 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.

Note: The CE5 router is an IOS router, the PE5 router is an IOS-XR router, and the PE6 router is an IOS-XE router.





On the PE, which two statements are correct regarding the(192.168.156.60,224.1.1.1) entry? (Choose two,)

- A. The RPF neighbor points towards the RP
- B. The RPF neighbor is reachable overthe Gi0/0/0/1 interface
- C. The OIL contains the GiO/0/0/0 interface
- D. The IIL is Null

Correct Answer: AC

#show ip mroute

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