642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

Refer to the configuration exhibit, taken from a Cisco IOS-XR router.

```
!
router static
address-family ipv4 unicast
192.0.2.1/32 Null0
!
route-policy RTBH
if tag is 666 then
set next-hop 192.0.2.1
endif
end-policy
!
router bgp 65123
address-family ipv4 unicast
redistribute static route-policy RTBH
!
!When attacks are detected from 209.165.201.144/28
!
router static
address-family ipv4 unicast
209.165.201.144/28 null0 tag 666
!
```

Which configuration change is required to properly enable this router as the signaling router for implementing source-based RTBH filtering?

A. Set community (no-export) in the route policy

B. Pass in the route policy

C. Set local-preference 1000 in the route policy

D. The 192.0.2.1/32 static route should be tagged as 666 (tag 666)

Correct Answer: A

QUESTION 2

Instructions ✕

Enter the proper CLI commands and analysis 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. If a certain command or command option is not supported, please try to use a different command that is supported.

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.
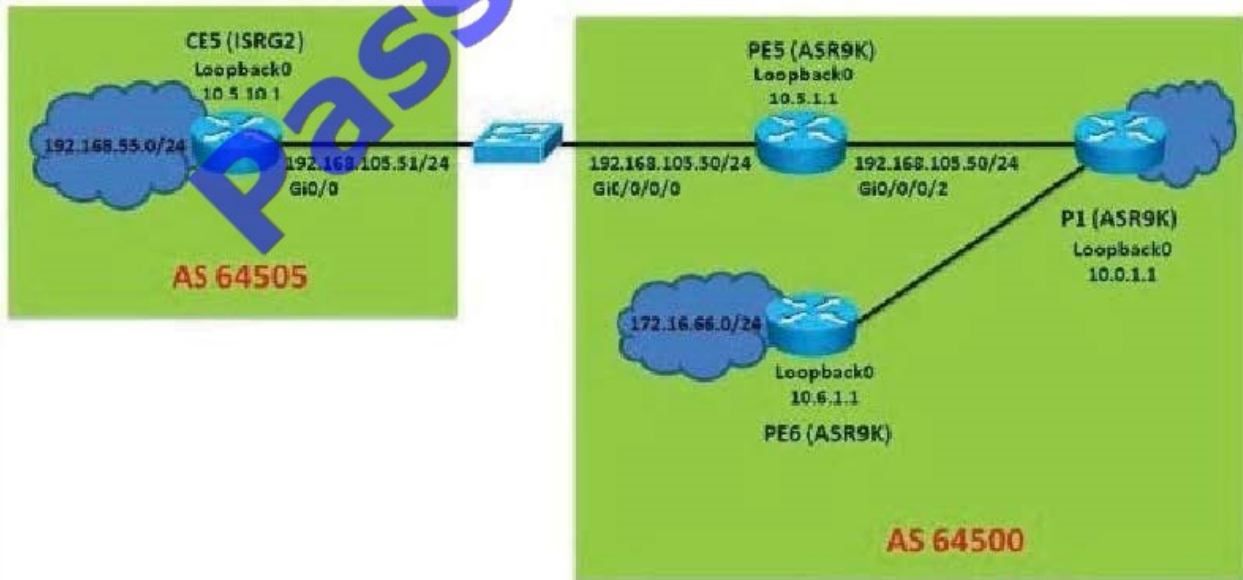
Scenario ✕

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

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

Exhibit1 ✕

In this simulation, you only have access to the CE5 and PE5 router console
Click on the CE5/PE5 icons to access the respective router console

CE5 (ISRG2)
Loopback0
10.5.10.1

192.168.55.0/24

192.168.105.51/24
Gi0/0

AS 64505

PE5 (ASR9K)
Loopback0
10.5.1.1

192.168.105.50/24
Gi0/0/0/0

192.168.105.50/24
Gi0/0/0/2

P1 (ASR9K)
Loopback0
10.0.1.1

172.16.66.0/24

Loopback0
10.6.1.1
PE6 (ASR9K)

AS 64500

CE5

CE5#

Which two statements regarding the BGP peerlngs are correct? (Choose two)

A. On PE5,the incoming prefixes received from the 192.168.105.51 EBGP peer is limited to a maximum of 10 prefixes

B. On PE5, the "rplin" inbound route policy is applied to the 192.168.105.51 EBGP peer

C. On PE5, the "pass" outbound route policy is applied to the 192.168.105.51 EBGP peer

D. PE5 has one EBGP peer (CE5) and two IBGP peers (P1 and PE6)

E. PE5 has received a total of 60 prefixes from its neighbors

Correct Answer: AE

#show ip bgp

QUESTION 3

Which types of multicast distribution tree can PIM-SM use?

A. Only shared tree rooted at the source

B. Only shared tree rooted at the RP

C. Only shortest path tree rooted at the RP

D. Shared tree rooted at the source and shortest path tree switchover

E. Shared tree rooted at the RP and shortest path tree switchover

F. Shared tree rooted at the first-hop router and shortest path tree rooted at the RP

Correct Answer: E

QUESTION 4

Refer to the Cisco IOS DHCPv6 configuration shown in the exhibit.
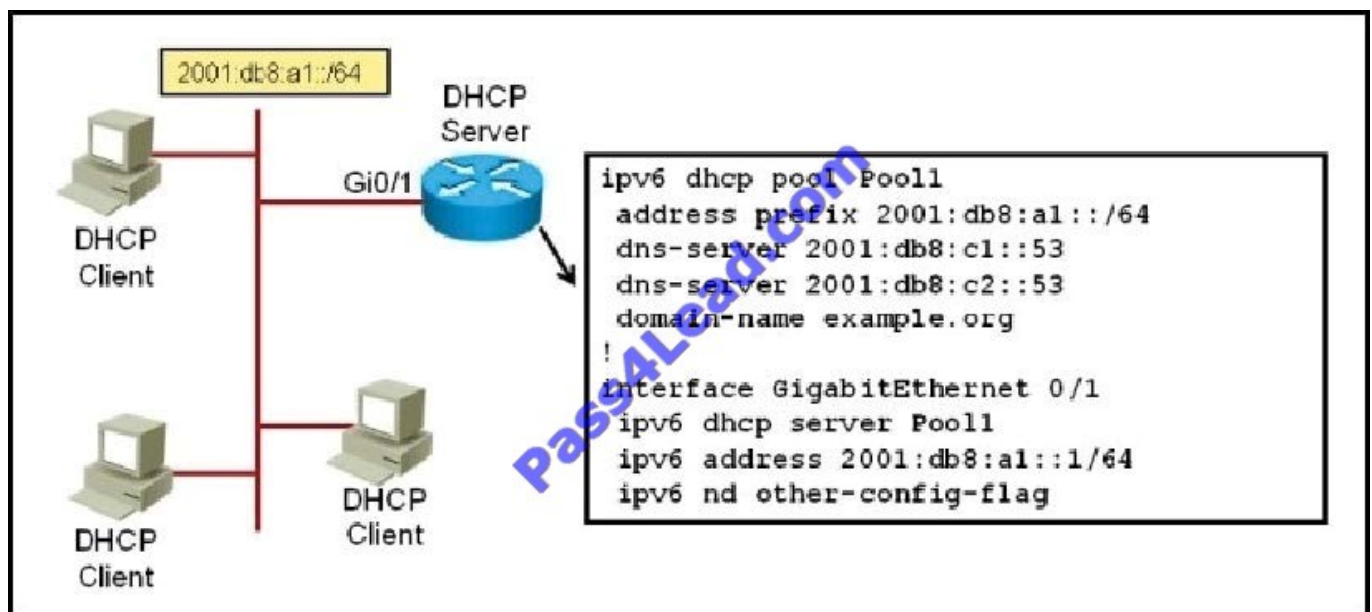
Which statement is correct?

A. The configuration is missing a command under interface Gi0/1 to indicate to the attached hosts to use stateful DHCPv6 to obtain their IPv6 addresses

B. The IPv6 router advertisements indicate to the attached hosts on the Gi0/1 interface to get other information besides their IPv6 address via stateless auto configuration

C. The IPv6 DHCPv6 server pool configuration is misconfigured

D. The DNS server address can also be imported from another upstream DHCPv6 server

Correct Answer: A

Server Configuration In Global Configuration Mode ipv6 unciast-routing ipv6 dhcp pool address prefix lifetime dns-server domain-name exit In Interface Configuration Mode ipv6 address ipv6 dhcp server rapid-commit Client Configuration In Global Configuration Mode enable configure terminal ipv6 unicast-routing In Interface Configuration Mode ipv6 address dhcp rapid commit ipv6 enable exit

QUESTION 5

Refer to the exhibit.
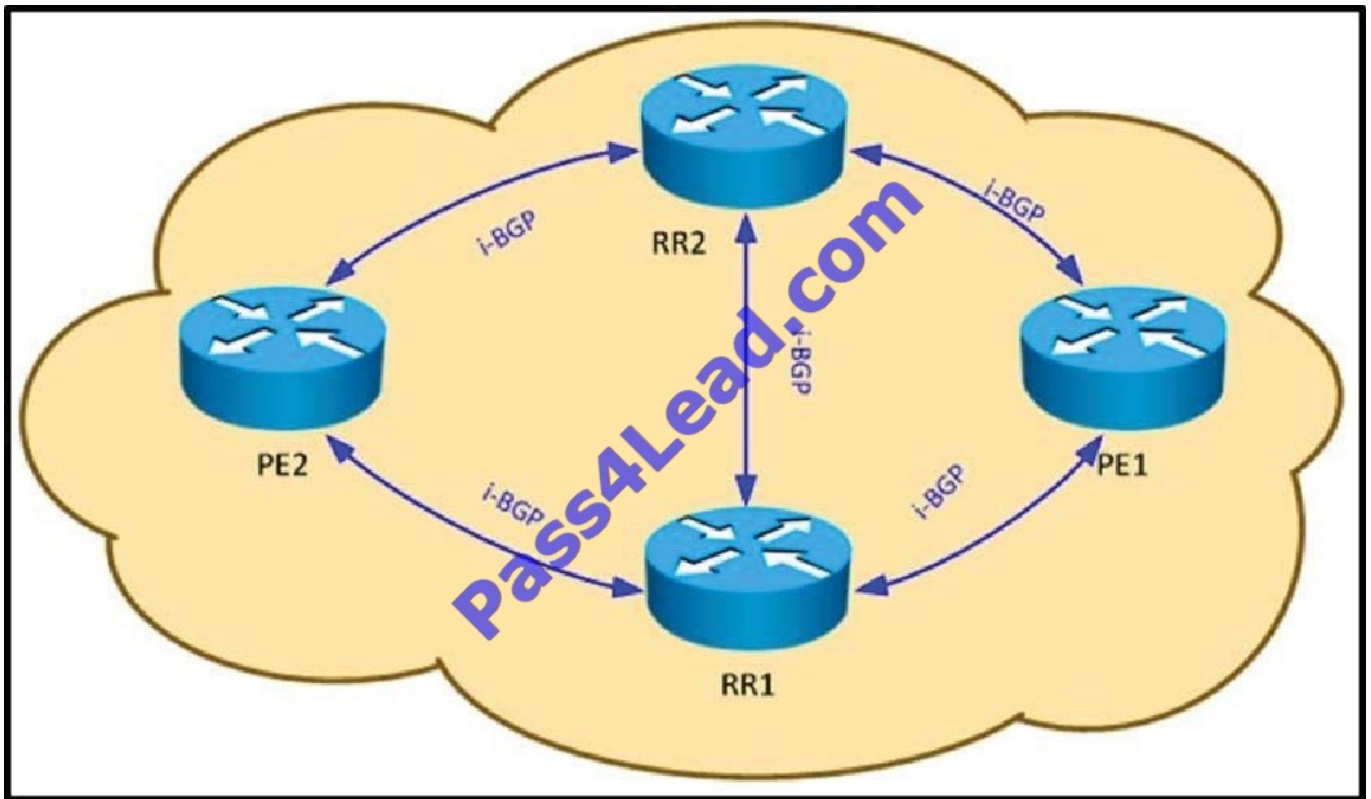
Which configuration ensures that RR2 does not send the same updates to PE2 that RR1 learns via PE1?

A. RR1 and RR2 should have different router IDs.

B. RR1 and RR2 should have different originator IDs.

C. RR1 and RR2 should have the same router IDs.

D. RR1 and RR2 should have the same cluster IDs.

Correct Answer: D

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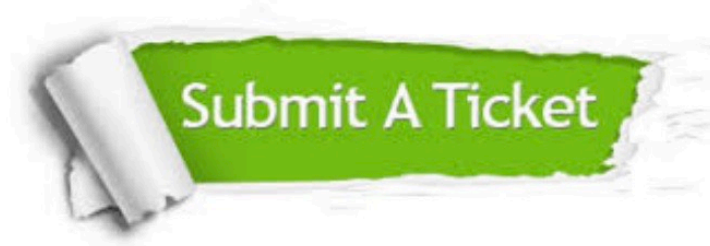Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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