



642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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**QUESTION 1**

A CRS router that runs Cisco IOS XR has dual routing processors installed. Which solution should be implemented to prevent OSPF adjacency flapping if the primary routing processor fails?

- A. NSR
- B. OSPF Fast Timers
- C. OSPF RE Sync
- D. router msdp
- E. NSF

Correct Answer: A

QUESTION 2

When implementing high-availability stateful switchover BGP routing, in which situation would Cisco NSR be required?

- A. On the PE routers connecting to the CE routers which are not NSF aware or are not NSF capable
- B. On the PE routers connecting to the CE routers which support graceful restart
- C. On the PE routers connecting to the CE routers which are incapable of performing stateful switchover operations because the CE routers are only NSF aware but not NSF capable
- D. On the PE routers connecting to the CE routers which are incapable of performing stateful switchover operations because the CE routers are only NSF capable but not NSF aware
- E. On the service provider core P routers which are also NSF aware
- F. On the service provider core P routers which are also NSF capable

Correct Answer: A

QUESTION 3

Select and Place:



Drag the IP multicast characteristic on the left to match the correct multicast service model on the right

Supports SPT switchover	Any Source Multicast (ASM) service model
Requires IGMPv3 support	Target
Uses (*,G) joins as well as (S,G) joins	Target
No shared trees Only (S,G) state is built between the source and the receiver	Target
Uses RPs as the root of the shared tree for a multicast group	Source Specific Multicast (SSM) service model
Hosts learn the multicast source address via out-of-band mechanism	Target
	Target
	Target

Correct Answer:

Drag the IP multicast characteristic on the left to match the correct multicast service model on the right

	Any Source Multicast (ASM) service model
	Uses RPs as the root of the shared tree for a multicast group
	No shared trees Only (S,G) state is built between the source and the receiver
	Supports SPT switchover
	Source Specific Multicast (SSM) service model
	Uses (*,G) joins as well as (S,G) joins
	Requires IGMPv3 support
	Hosts learn the multicast source address via out-of-band mechanism

QUESTION 4



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.

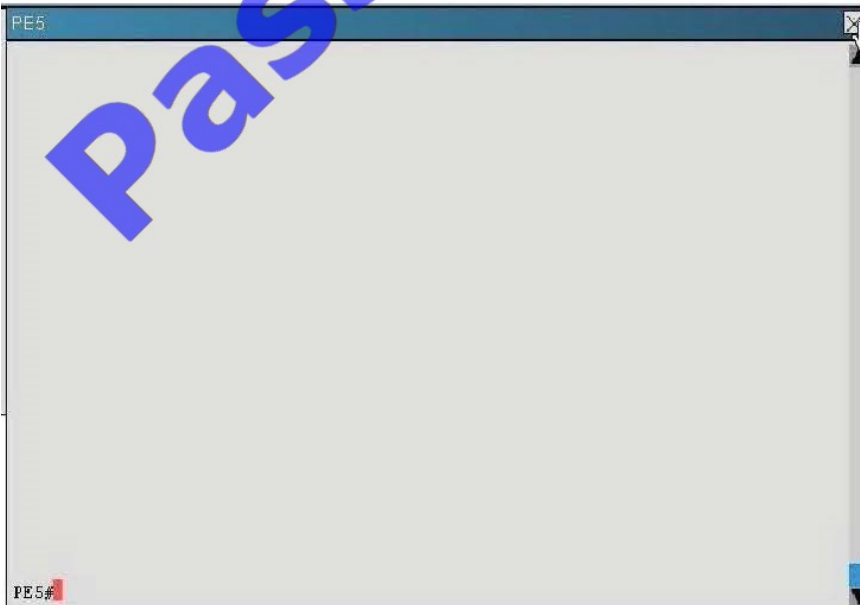
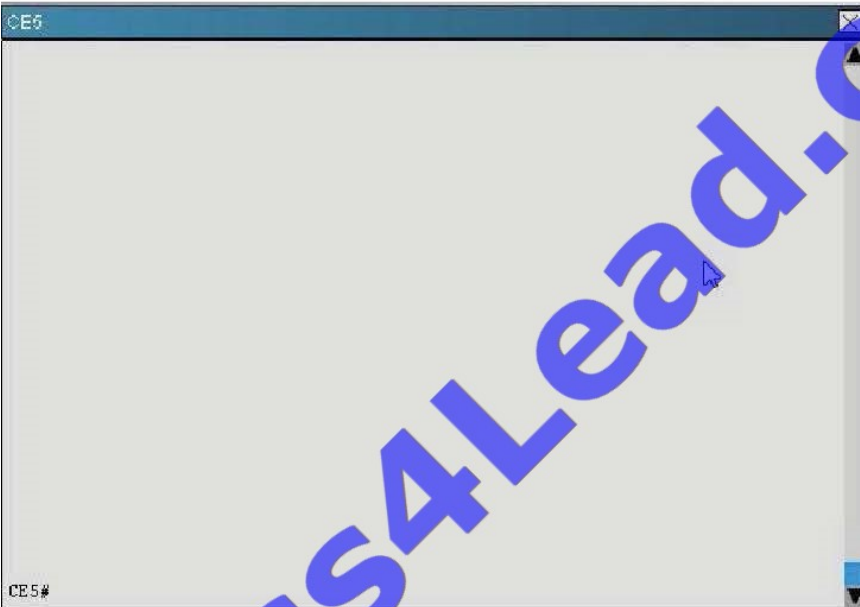
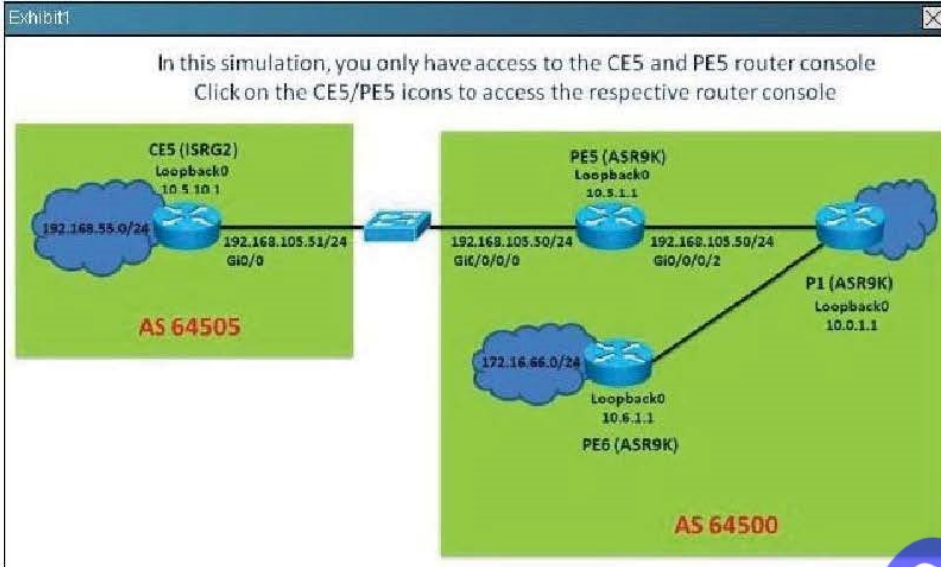
For example, the show running-config and the ping commands are **NOT** supported in this simulation.

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.





Which three statements regarding the BGP operations are correct? (Choose three)

- A. PE5 will set the local preferences 200 on all the prefixes sent to CE5
- B. PE5 will set the local preference to 200 on all the prefixes learned from CE5
- C. CE5 has received 5 prefixes from the PE5 EBGP peer
- D. CE5 has the BGP scan interval set to 30 seconds
- E. CE5 is announcing the 192.168.55.0/24 prefix via EBGP to the PE5 EBGP peer
- F. The AS-Path to reach the 209.165.202.128/27 prefix from CE5 is: 64500 64497 64498

Correct Answer: CEF

```
# sh ip bgp | be Network #sh ip bgp # show ip bgp neighbors
```

QUESTION 5

Refer to the exhibit.

```
RP/0/0/CPU0:R1# sh ip bgp nei | i time
Thu Jun 26 17:55:20.919 UTC
  Hold time is 90, keepalive interval is 30 seconds
  Configured hold time: 180, keepalive: 30, min acceptable hold time: 3
  Minimum time between advertisement runs is 30 secs
!
RP/0/0/CPU0:R3# sh ip bgp nei | i time
Thu Jun 26 17:55:34.109 UTC
  Hold time is 90, keepalive interval is 30 seconds
  Configured hold time: 90, keepalive: 30, min acceptable hold time: 3
  Minimum time between advertisement runs is 30 secs
```

Based on the output of two eBGP adjacent neighbors, which command can be used to set up the default BGP timers?

- A. RP/0/0/CPU0:R1(config-bgp)#timers bgp 60 30
- B. RP/0/0/CPU0:R2(config-bgp)#timers bgp 30 60
- C. RP/0/0/CPU0:R2(config-bgp-nbr)#timers bgp 180 60
- D. RP/0/0/CPU0:R2(config-bgp)#timers bgp 60 180
- E. RP/0/0/CPU0:R1(config-bgp)#timers bgp 60 180

Correct Answer: D



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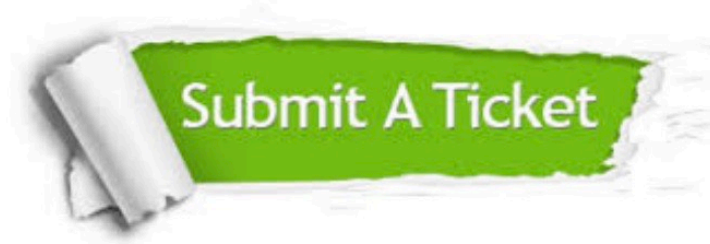
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