



642-883^{Q&As}

Deploying Cisco Service Provider Network Routing

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QUESTION 1

Which statement best describes the function of a BGP af-group?

- A. Use templates in different neighbors so it makes the BGP implementation easier.
- B. Group different address family neighbors inside BGP.
- C. Create a group of neighbors that can inherit address family configuration inside BGP.
- D. Substitute the class maps inside BGP on Cisco IOS XR devices.

Correct Answer: B

QUESTION 2

An EIGRP domain is redistributed into an OSPF NSSA area. On which router would this redistribution occur?

- A. stub border router
- B. summary router
- C. autonomous system boundary router
- D. backbone router

Correct Answer: C

QUESTION 3

When configuring BGP on Cisco IOS XR Software, which address-family is enabled by default?

- A. IPv4 unicast
- B. IPv6 unicast
- C. VPNv4
- D. IPv4 unicast and IPv6 unicast
- E. IPv4 unicast and IPv6 unicast and VPNv4
- F. No address-family is enabled by default.

Correct Answer: F

http://www.cisco.com/en/US/docs/ios_xr_sw/iosxr_r3.8/routing/command/reference/rr38bgp.pdf

An address family must be explicitly configured in the router configuration mode for the address family to be active in BGP. Similarly, an address family must be configured under the neighbor for the BGP session to be established for that address family. An address family must be configured in router configuration mode before it can be configured under a



neighbor.

QUESTION 4

Which option describes the configuration for a Cisco IOS XR OSPF router to give it the highest chances of becoming DR?

- A. ip ospf priority 0 under the OSPF interface statement
- B. ip ospf priority 0 under the OSPF area statement
- C. ip ospf priority 255 under the OSPF interface statement
- D. ip ospf priority 255 under the OSPF area statement
- E. Leave priority unchanged, but assign a high-numbered IP address on a loopback interface.
- F. Leave priority unchanged, but assign a high-numbered IP address on any physical interface.

Correct Answer: C

QUESTION 5



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.

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.

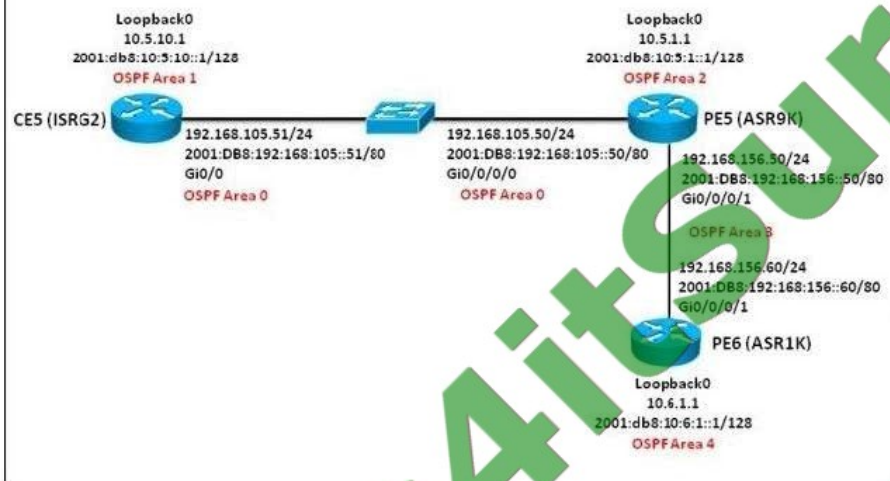
Scenario

Referring to the multiarea IPv4 and IPv6 OSPF 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.

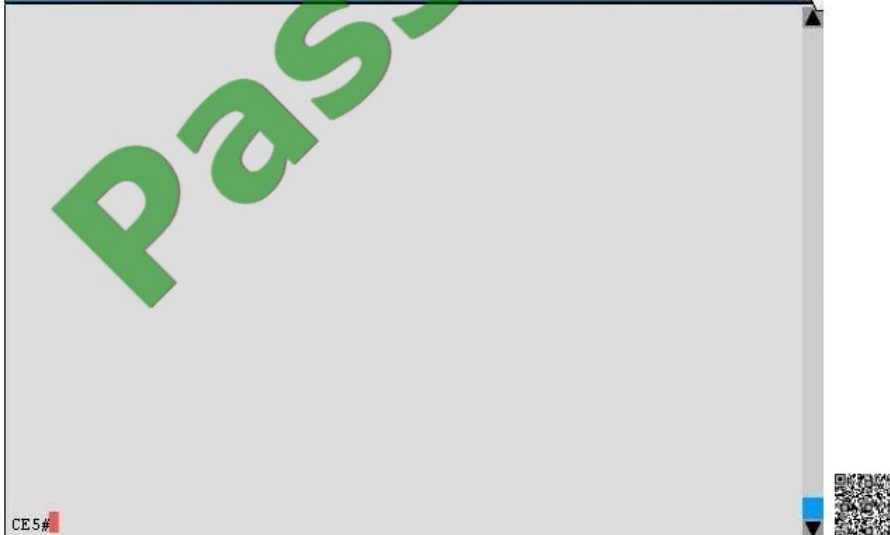
Note: The CE5 router is an IOS router, the PE5 router is an IOS-XR router, and the PE6 router is an IOS-XE router.

Exhibit1

Click on the CE5/PE5/PE6 icons to access the respective router console



CE5







Which statement is correct regarding the DR election process In this OSPF implementation?

- A. Both the CE5 and PE6 routers are DROTHERs
- B. PE5 is the OSPFv2 DR for the GigabitEthernet link between PE5 and PE6
- C. PE6 is the OSPFv2 and OSPFv3 DR for the GigabitEthernet link between PE5 and PE6
- D. PE6 is the DR for the GigabitEthernet link between PE5 and PE6 because it has a higher OSPF priority

Correct Answer: A

Explanation: # show ip ospf neighbor # show ipv6 ospf neighbor

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