



# 642-883<sup>Q&As</sup>

Deploying Cisco Service Provider Network Routing

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**QUESTION 1**

Drag and drop the terms on the left onto the appropriate definition on the right.

Select and Place:

<b>NSP</b>	Is a network that solely purchases transit from other networks to reach the Internet
<b>Tier 1 ISP</b>	peers with some networks, but purchases IP transit or pays settlements to reach some portion of the Internet
<b>Tier 2 ISP</b>	peers with other ISPs of the same Tier level to form the backbone of the Internet
<b>Tier 3 ISP</b>	provides or sells access and bandwidth into its backbone infrastructure and network access points
<b>NAP</b>	interconnects network service providers

Correct Answer:

	<b>Tier 3 ISP</b>	ses transit from ernet
	<b>Tier 2 ISP</b>	purchases IP each some
	<b>Tier 1 ISP</b>	me Tier level ernet
	<b>NSP</b>	ndwidth into its twork access
	<b>NAP</b>	providers

Is a network that solely purchases transit from other networks to reach the Internet

**QUESTION 2**



Which BGP attribute is a set of generic tags that can be used to signal various routing policies between BGP routers?

- A. AS path
- B. MED
- C. weight
- D. communities
- E. route tags

Correct Answer: D

[http://www.cisco.com/en/US/tech/tk365/technologies\\_configuration\\_example09186a00801\\_475b2.shtml](http://www.cisco.com/en/US/tech/tk365/technologies_configuration_example09186a00801_475b2.shtml)

### QUESTION 3

Drag the BGP attributes on the left to the boxes on the right in the correct order. The attribute that is used first during the BGP route selection process should be the top box on the right, and attribute that is used last should be the bottom box on the right.

Select and Place:

Drag the BGP attributes on the left to the boxes on the right in the correct order. The attribute that is used first during the BGP route selection process should be the top box on the right, and the attribute that is used last should be the bottom box on the right.

MED	Target
Weight	Target
AS-Path Length	Target
Local Preference	Target

Correct Answer:

Drag the BGP attributes on the left to the boxes on the right in the correct order. The attribute that is used first during the BGP route selection process should be the top box on the right, and the attribute that is used last should be the bottom box on the right.

	Weight
	Local Preference
	AS-Path Length
	MED

### QUESTION 4



Drag the BGP attributes on the left to match the correct description on the right.

Select and Place:

Drag the BGP attributes on the left to match the correct description on the right.

Weight	Only used within an AS and has a default value of 100.
MED	Can use the prepending feature to influence inbound traffic flow.
Local Preference	The lower of this value is the more desirable value. Used to influence the incoming traffic flow from the neighbor autonomous systems.
AS-Path	Proprietary to Cisco and not sent to any BGP peers. It is local to the router only.

Correct Answer:

Drag the BGP attributes on the left to match the correct description on the right.

	Local Preference
	AS-Path
	MED
	Weight

## 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.

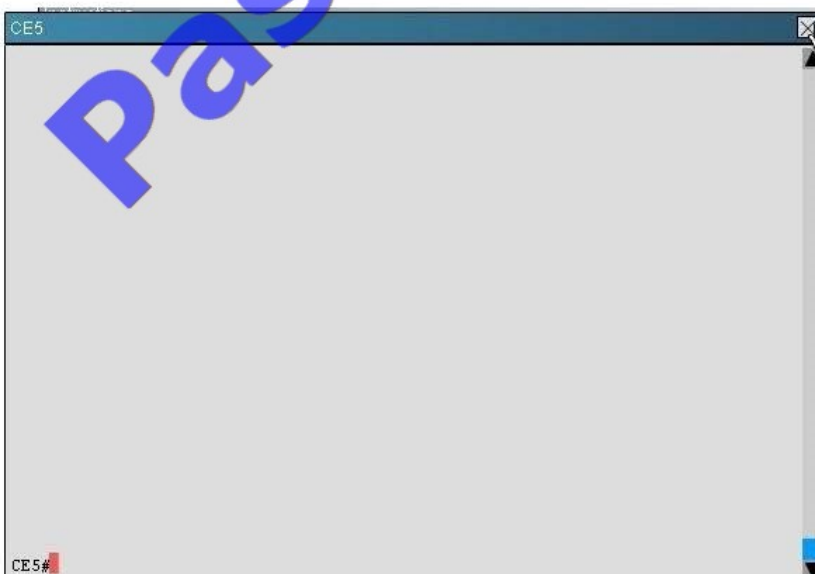
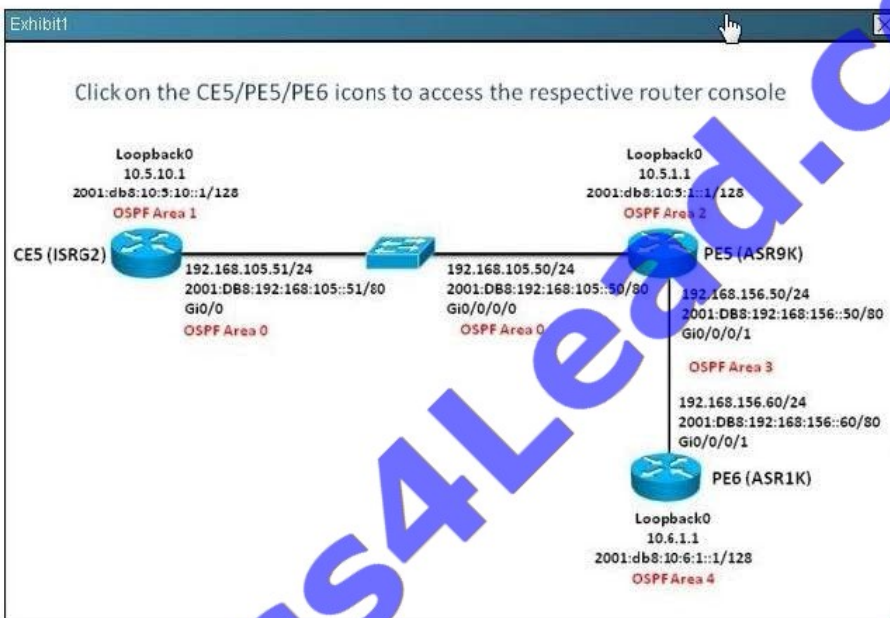
For example, the show running-config and the ping commands are **NOT** supported in this simulation.

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.









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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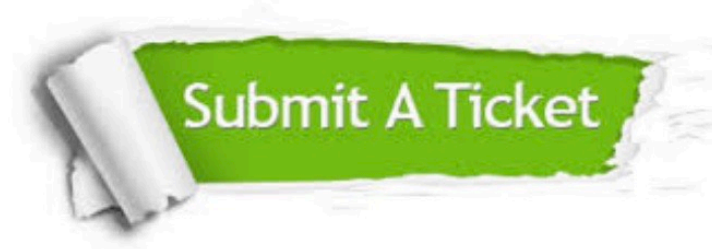
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