



# 644-906<sup>Q&As</sup>

Implementing and Maintaining Cisco Technologies Using IOS XR

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## QUESTION 1

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 the router icon to gain access to the console of the 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 command is **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 CE7 and PE7 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.

The CE7 router is an ISR-G2 router and the PE7 router is an ASR9K router.

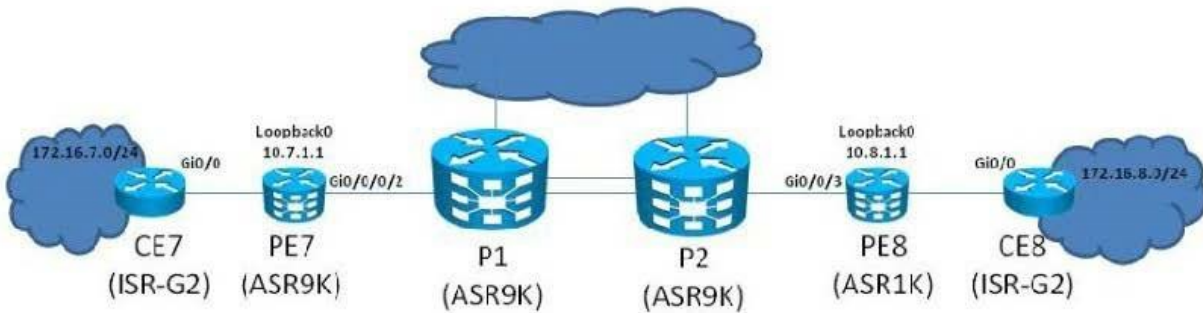
OSPF is the IGP running between all the PE and P routers.

LDP is running between all the PE and P routers.

CE7 and CE8 connectivity has been successfully established over the layer 3 MPLS VPN configurations on the PE7 and PE8 routers.



Topology



In this simulation, you will only have access to the PE7 and CE7 consoles  
Click on the PE7 and CE8 router icon to access the respective console

CE7

CE7#

RP/0/RSP0/CPU0:PE7

RP/0/RSP0/CPU0:PE7#

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Point and Shoot:

1 OnPE7, which customer's prefixes have been learned from PE8 over M<sup>2</sup>-BGP?

2  10.8.1.1/32

3  192.168.108.0/24

4  172.16.7.0/24 and 192.168.107.0/24

172.16.8.0/24 and 192.168.108.0/24

172.16.7.0/24 and 192.168.107.0/24 and 172.16.8.0/24 and 192.168.108.0/24

Hot Area:

1 OnPE7, which customer's prefixes have been learned from PE8 over M<sup>2</sup>-BGP?

2  10.8.1.1/32

3  192.168.108.0/24

4  172.16.7.0/24 and 192.168.107.0/24

172.16.8.0/24 and 192.168.108.0/24

172.16.7.0/24 and 192.168.107.0/24 and 172.16.8.0/24 and 192.168.108.0/24

Correct Answer:

1 OnPE7, which customer's prefixes have been learned from PE8 over M<sup>2</sup>-BGP?

2  10.8.1.1/32

3  192.168.108.0/24

4  172.16.7.0/24 and 192.168.107.0/24

172.16.8.0/24 and 192.168.108.0/24

172.16.7.0/24 and 192.168.107.0/24 and 172.16.8.0/24 and 192.168.108.0/24

QUESTION 2



**Instructions**

Enter the proper CLI commands and analysis the outputs on the PE5 Cisco router to answer the **three** multiple-choice questions.

From the network topology diagram, click on the PE5 router icon to gain access to the console of the router.

No console or enable passwords are required.

There are three multiple-choice questions with this task. Be sure to answer all three 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 or command option that is supported.

For example, the show running-config command is **NOT** supported in this simulation.

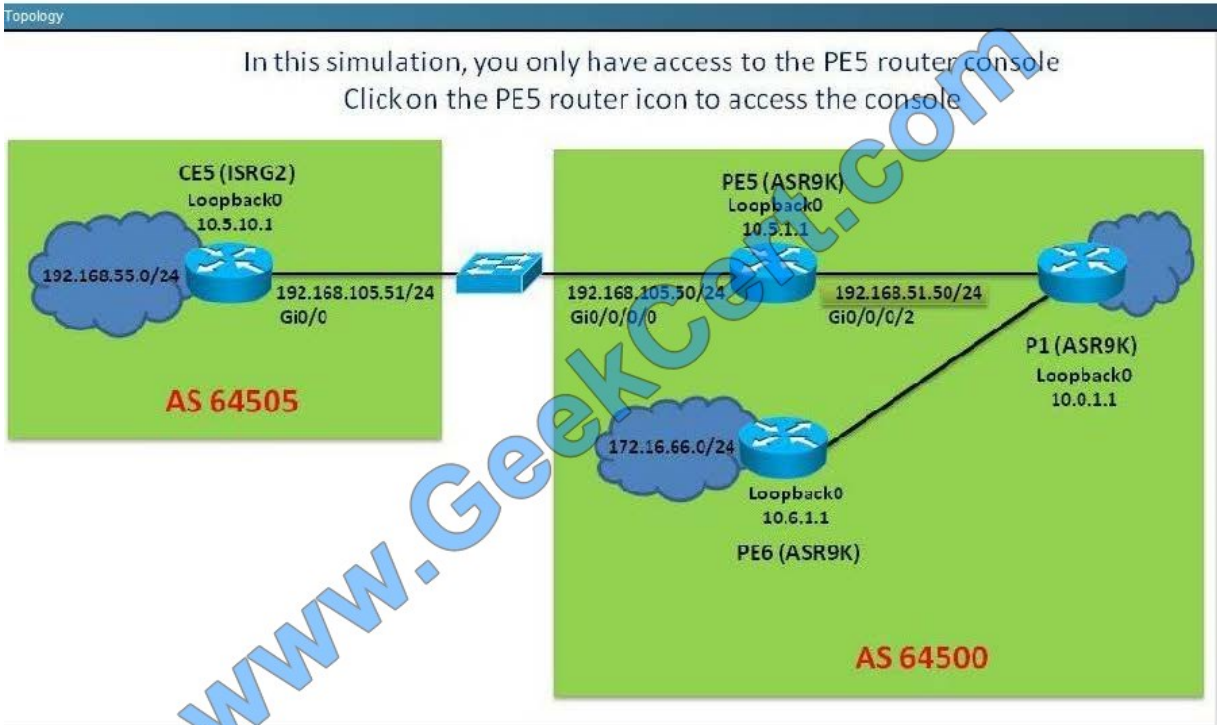
All the devices in this simulation have been pre-configured and you are not required to enter in any configurations.

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**Scenario**

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

Note: The PE5 router is a Cisco ASR9K router



**PE5**

```
PE5#
```



Hot Area:

1 Which two statements regarding the BGP peerings on PE5 are correct? (Choose two)

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

3  On PE5, the "rpln" inbound route policy is applied to the 192.168.105.51 EBGP peer

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

PE5 has one EBGP peer and two IBGP peers

PE5 has received a total of 60 prefixes from all its neighbors

Hot Area:

1 Which two statements regarding the BGP peerings on PE5 are correct? (Choose two)

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

3  On PE5, the "rpln" inbound route policy is applied to the 192.168.105.51 EBGP peer

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

PE5 has one EBGP peer and two IBGP peers

PE5 has received a total of 60 prefixes from all its neighbors

Correct Answer:

1 Which two statements regarding the BGP peerings on PE5 are correct? (Choose two)

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

3  On PE5, the "rpln" inbound route policy is applied to the 192.168.105.51 EBGP peer

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

PE5 has one EBGP peer and two IBGP peers

PE5 has received a total of 60 prefixes from all its neighbors

### QUESTION 3

How would you configure IS-IS process TEST to support MPLS Traffic Engineering extensions on level 1 and 2 that are intending to run a tunnel across TenGigE 0/0/0/0?

A. `mpls ldp traffic-eng level-1-2 mpls traffic-eng router-id 1.1.1.1 router isis TEST interface Ten 0/0/0/0 address-family ipv4 unicast`

B. `router isis TEST net 49.0001.0001.0001.0001.00 address-family ipv4 unicast metric-style wide mpls traffic-eng router-id 1.1.1.1 mpls traffic-eng level-1-2 interface Ten 0/0/0/0 address-family ipv4 unicast`



C. router isis TESTnet 49.0001.0001.0001.0001.00address-family ipv4 unimetric-style wideinterface Ten 0/0/0/0 address-family ipv4 unicastmpls traffic-eng router-id 1.1.1.1mpls traffic-eng level-1-2

D. mpls ldrouter isis TESTinterface Ten 0/0/0/0address-family ipv4 unicastmpls traffic-eng level-1- 2mpls traffic-eng router-id 1.1.1.1

Correct Answer: B

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#### QUESTION 4

Which answer best summarizes the difference between p and px images, hfr-mini-p.vm-4.1.1 and hfr- mini- px.vm-4.1.1, respectively?

- A. P images can only support legacy hardware, while px images can only support new CRS-3 hardware.
- B. P images can use an SMU to operate as x86 images.
- C. P images can only support Power PC hardware, while px images can support both Power PC and Intel hardware in the same chassis.
- D. P and px images can both be installed on the same ROMMON version.
- E. P and px images are roughly the same because they are built to operate on the same system.

Correct Answer: C

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#### QUESTION 5

Where is the LPTS policer applied?

- A. egress line-card egress queue
- B. egress line-card CPU
- C. route processor CPU
- D. distributed RP CPU
- E. ingress line card

Correct Answer: E

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