



644-906^{Q&As}

Implementing and Maintaining Cisco Technologies Using IOS XR

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QUESTION 1

Which CLI command can be used to display interfaces statistics?

- A. RP/0/RSP1/CPU0:ASR9006#monitor interface
- B. RP/0/RSP1/CPU0:ASR9006#show interfaces summary
- C. RP/0/RSP1/CPU0:ASR9006#show interfaces statistics | inc errors
- D. RP/0/RSP1/CPU0:ASR9006#show interfaces accounting | inc errors
- E. RP/0/RSP1/CPU0:ASR9006(admin)#show flow platform producer statistics location 0/0/CPU0
- F. RP/0/RSP1/CPU0:ASR9006(admin)##show interfaces statistics

Correct Answer: A

QUESTION 2

In order to determine the hardware and firmware revision of a linecard, what is the correct command that should be invoked?

- A. RP/0/RP0/CPU0:CRS-MC#show version
- B. RP/0/RP0/CPU0:CRS-MC#show platform
- C. RP/0/RP0/CPU0:CRS-MC(admin)#show platform
- D. RP/0/RP0/CPU0:CRS-MC#show diagnostic summary
- E. RP/0/RP0/CPU0:CRS-MC(admin)#show diag details

Correct Answer: E

QUESTION 3



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.

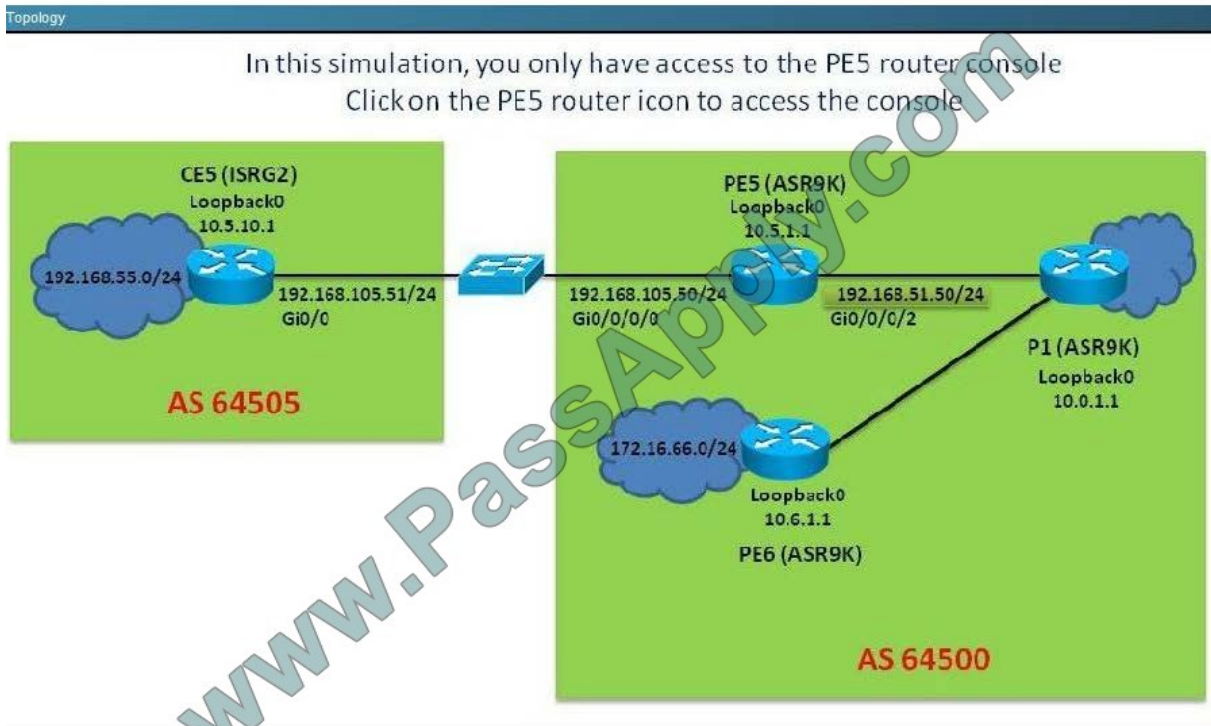
For example, the show running-config command is **NOT** supported in this simulation.

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

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 operations on PE5 are correct? (Choose two)

2 PE5 will set the local preference to 200 on all the prefixes sent to CE5

3 PE5 will set the local preference to 200 on all the prefixes learned from CE5

PE5 is using the IS-IS route to reach the BGP next-hop for the 172.16.66.0/24 prefix

The BGP session between PE5 and CE5 is established using the loopback interface

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Correct Answer:

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The BGP session between PE5 and CE5 is established using the loopback interface

QUESTION 4



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.

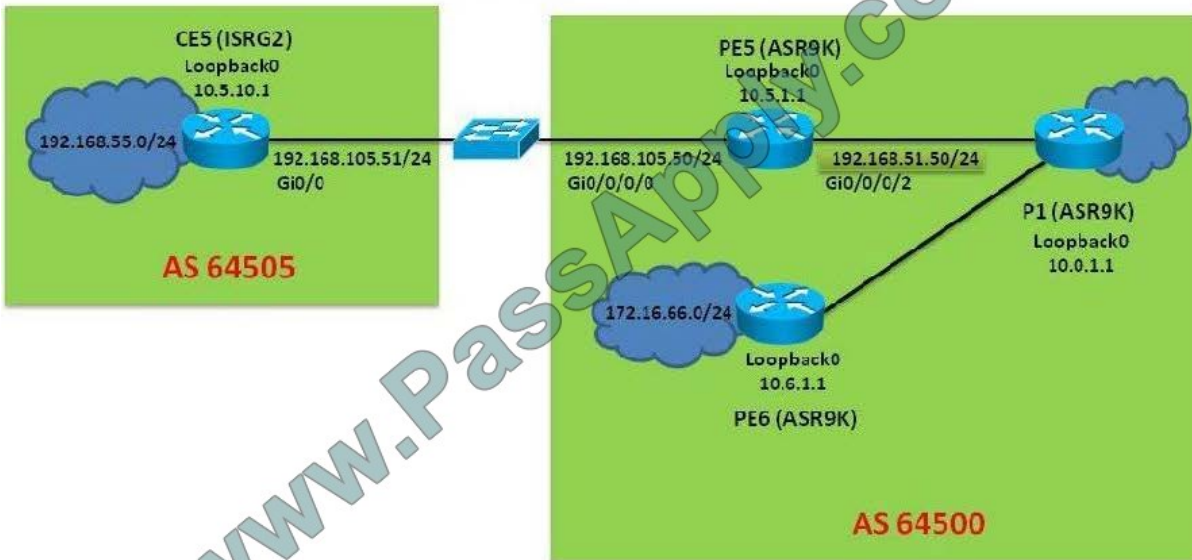
Scenario

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

Topology

In this simulation, you only have access to the PE5 router console
Click on the PE5 router icon to access the console





Hot Area:

1 Which two statements regarding the BGP peerings or 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

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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 or 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 5

What is the size of the packets that traverse the Cisco CRS-3 switch fabric?

- A. variable packets that are dependent on packets being sent through the client interfaces
- B. 64 bytes
- C. 1500 bytes
- D. not applicable, as the Cisco CRS-3 uses a fixed cell in the switch fabric



Correct Answer: D

QUESTION 6

Which of the following configurations adds a community to routes that are matched on AS criteria?

- A. route-policy policy1 if as-path in set1 then set community (356:1000) end if end-policy
- B. route-policy policy1 if community in set1 then set community (356:1000) additive end if end-policy
- C. route-policy policy1 if as-path in set1 then set community (356:1000) additive end if end-policy
- D. route-policy policy1 if as-path neighbor-is set1 then set community (356:1000) additive end if end-policy

Correct Answer: C

QUESTION 7

What is the main function of LPTS?

- A. filter routing updates
- B. maintain the Internal Forwarding Information Base (IFIB)
- C. classify transit packets
- D. guarantee reliable transport service for network management requests

Correct Answer: B

QUESTION 8

What is the correct Cisco IOS XR CLI command to assign a cost of 20 to interface TenGigE 0/1/0/1 for Area 0?

- A. config mode, router ospf 1, area 0, interface tengige 0/1/0/1, cost 20
- B. config mode, router ospf 1, area 0, interface tengige 0/1/0/1, auto-cost 20
- C. config mode, interface tengige 0/1/0/1, ip ospf cost 20
- D. config mode, router ospf 1, interface tengige 0/1/0/1, ip ospf cost 20

Correct Answer: A

QUESTION 9

In order to retrieve information from the temperature sensors on the system, what are the two commands that should be invoked? (Choose two.)



- A. RP/0/RP0/CPU0:CRS-MC#show version
- B. RP/0/RP0/CPU0:CRS-MC#show platform
- C. RP/0/RP0/CPU0:CRS-MC(admin)#show environment all
- D. RP/0/RP0/CPU0:CRS-MC(admin)#show environment temperature
- E. RP/0/RP0/CPU0:CRS-MC(admin)#show platform

Correct Answer: CD

QUESTION 10

Which two of the following are correct commands to activate the PIE file ? (Choose two.)

- A. install add tftp://172.20.165.36/hfr-mgbl-p.pie-4.0.1 activate
- B. install activate tftp://172.20.165.36/hfr-mgbl-p.pie-4.0.1
- C. install add disk0:hfr-mgbl-p-4.0.1 activate
- D. install activate disk0:hfr-mgbl-p.pie-4.0.1

Correct Answer: AD

QUESTION 11



Instructions

Enter the proper CLI commands and analyze 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

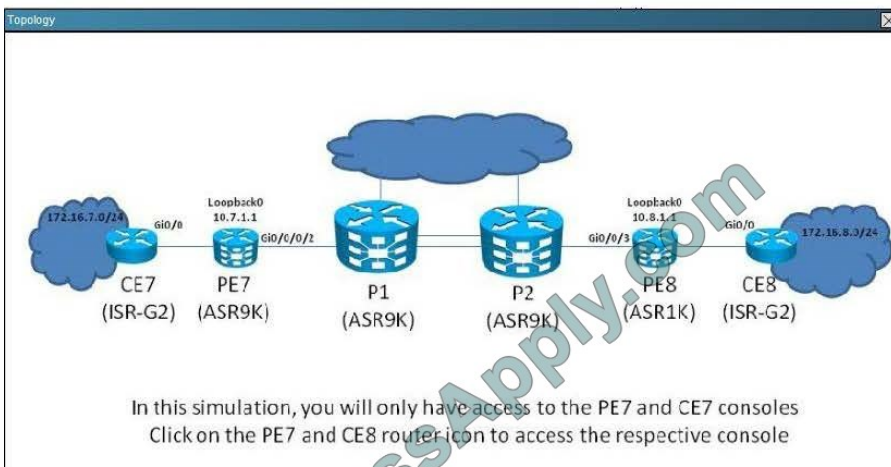
Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on the CE7 and PE7 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.

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.



CE7

```
CE7#  
RP/0/RSP0/CPU0:PE7
```

RP/0/RSP0/CPU0:PE7#



Point and Shoot:

1 On PE7, what is the outgoing label to reach the 10.8.1.1/32 prefix?

2 IMP-NULL

3 39

4 16010

16001

16021

16026

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Hot Area:

1 On PE7, what is the outgoing label to reach the 10.8.1.1/32 prefix?

2 IMP-NULL

3 39

4 16010

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www.PassApply.com

Correct Answer:

1 On PE7, what is the outgoing label to reach the 10.8.1.1/32 prefix?

2 IMP-NULL

3 39

4 16010

16001

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16026

www.PassApply.com

QUESTION 12

What are the two minimum tasks and configurations that are required for the forwarding of multicast traffic using Source-Specific Multicast? (Choose two.)

- A. installing services PIE on the router
- B. installing multicast PIE on the router
- C. configuring multicast-routing on interfaces



D. configuring PIM on interfaces

Correct Answer: BC

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