



642-889^{Q&As}

Implementing Cisco Service Provider Next-Generation Edge Network Services

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QUESTION 1

Match the LAN type on the left to the correct MEF service type on the right.

Select and Place:

Match the LAN type on the left to the correct MEF service type on the right.

point-to-point	E-Tree
multipoint-to-multipoint	E-Line
rooted multipoint	E-LAN

Correct Answer:

Match the LAN type on the left to the correct MEF service type on the right.

	rooted multipoint
	point-to-point
	multipoint-to-multipoint

QUESTION 2



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.

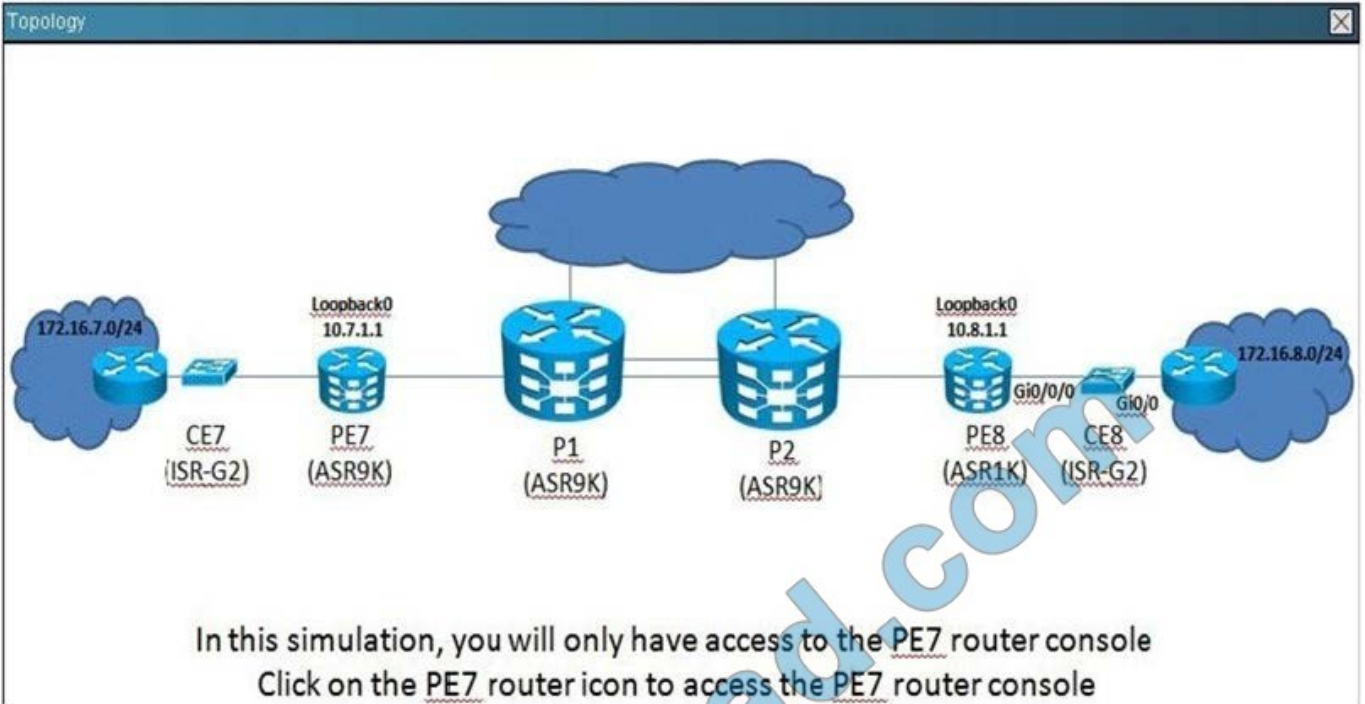
For example, the show running-config command is **NOT** supported in this simulation.

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 PE7 router and interpret the supported CLI commands outputs to answer the four multiple choice questions.

The PE7 router is an ASR9K router.



On PE7, which encapsulation method is used on the pseudowire that connects to the 10.8.1.1 neighbor?

- A. MPLS
- B. L2TPv3
- C. IP



D. LDP

E. Ethernet

Correct Answer: B

show xconnect all check value is mpls or l2tp or Ethernet etc in segment field

QUESTION 3

A network engineer is troubleshooting an MPLS Layer 3 VPN and discovers that routes are being learned by CE routers, but there is no IP connectivity. Which option is the most likely cause?

A. The provider does not have an end-to-end label switch path.

B. The customer does not have an end-to-end label switch path.

C. The customer is not sharing labels with the provider.

D. The provider is not sharing labels with the customer.

E. The providers PE to CE routing protocol is misconfigured.

F. The customers PE to CE routing protocol is misconfigured.

Correct Answer: A

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 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

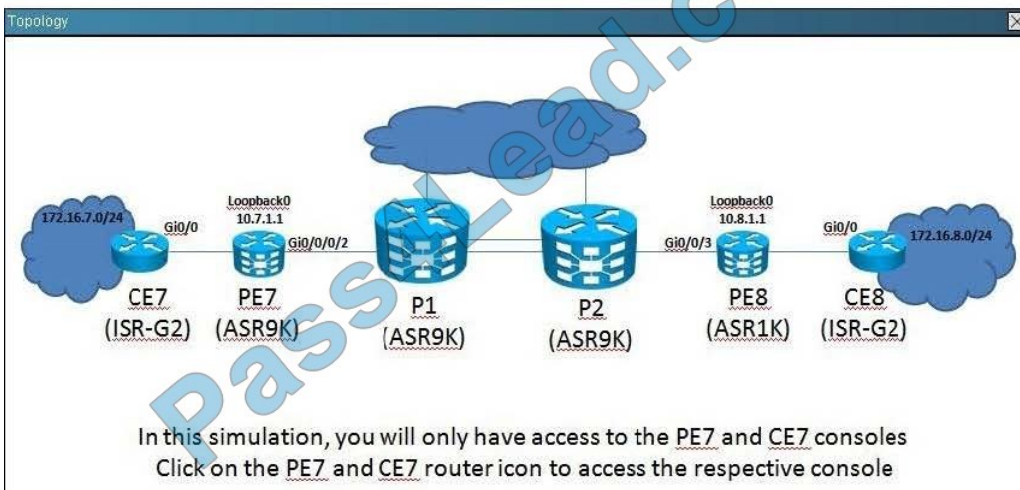
Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on the CE7 and PE7 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.

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 and LDP is also running between all the PE and P routers.

The questions in this simulation are regarding the MPLS layer 3 VPN configurations on the PE routers where CE7

Scenario | Instructions | Topology | CE7 | RP/0/RSFP0/CPU0:PE7 | Questions





On PE7, which interface connects to the CE7 and what is the name of the VRF that interface is associated to? (Choose two.)

- A. Gi0/0/0/0
- B. Gi0/0/0/1
- C. Gi0/0/0/2
- D. Customer_1
- E. Customer_A
- F. Customer_CE7

Correct Answer: BC

#show ip vrf interfaces

QUESTION 5

How does VPLS prevent looping of broadcast, unknown unicast, and multicast traffic in the provider core?

- A. by enforcing a split-horizon rule



B. by using BGP as a control plane

C. by using LDP as a control plane

D. by using MST internally

Correct Answer: A

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