



642-887^{Q&As}

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QUESTION 1

Scenario: From PE8 router, what is the label action used to reach the P2 loopback 0 interface 10.0.2.1/32?

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.

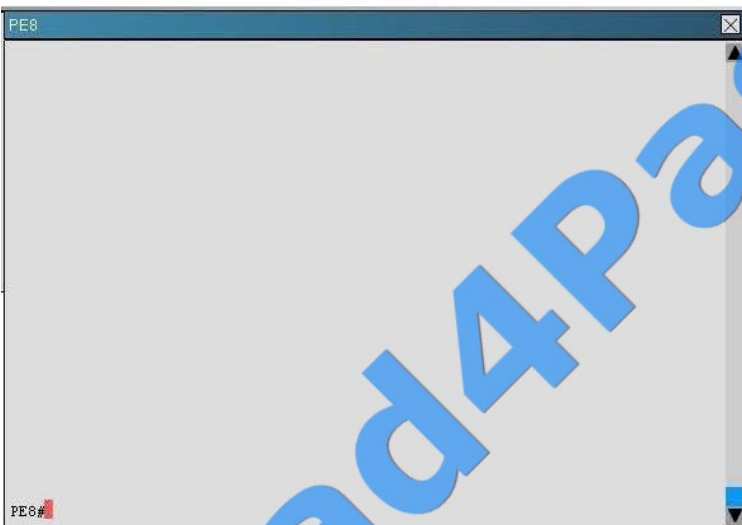
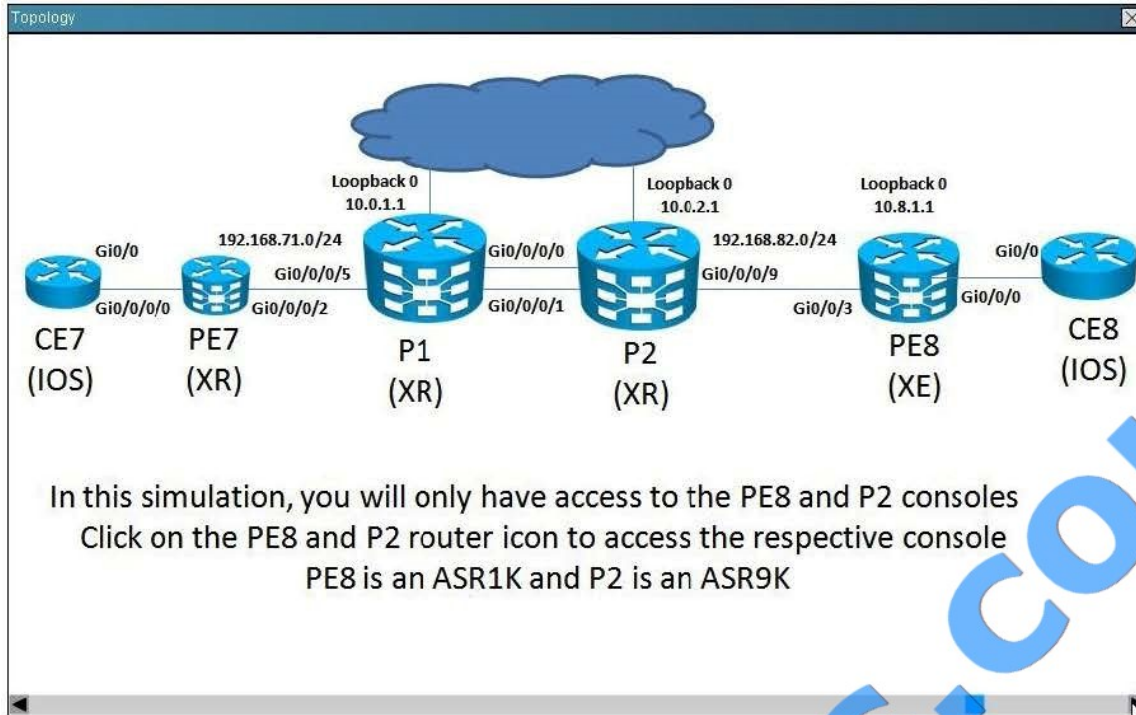
For example, the show running-config command is **NOT** supported in this simulation.

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 PE8 and P2 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.







- A. Swap label 35 with label 16004
- B. Push label 16004
- C. Pop label 35
- D. Pop label 16009
- E. Push Label 16009
- F. Swap label 35 with label 16009

Correct Answer: C

Explanation: show mpls forwarding-table , find prefix 10.0.2.1 and you will see there under outgoing Label "Pop Label" (This is actually logic because the prefix is directly connected and therefore the packet will forward without label). If the router should forward any packet to that prefix, the packet should be received with Local label on PE8 (Local Label = 35), the router will remove it and forward it without Label.

QUESTION 2

Which three conditions can occur when metering traffic using a dual token bucket traffic policing QoS mechanism on Cisco routers? (Choose three.)

- A. conform
- B. pass
- C. violate
- D. exceed
- E. burst
- F. matched

Correct Answer: ACD

QUESTION 3

Which affinity and mask value will match the link affinity that has 0x0F in the first 8 bits and 0x01 in the last 8 bits, and the middle 16 bits can be any value?

- A. affinity 0x0F000001 mask 0x0F000001
- B. affinity 0x0F000001 mask 0x00000000
- C. affinity 0x0F000001 mask 0x11111111
- D. affinity 0x0F000001 mask 0x11000011
- E. affinity 0x0F000001 mask 0xFF0000FF



F. affinity 0x0F000001 mask 0x00FFFF00

Correct Answer: E

QUESTION 4

Referring to the traceroute output exhibit that is shown,

```
pe1#traceroute 14.14.14.14
Type escape sequence to abort.
Tracing the route to 14.14.14.14
 0 10.10.10.1 [MPLS: Label 66 Exp 0] 40 msec 24 msec 28 msec
 1 37.37.37.1 [MPLS: Label 66 Exp 0] 40 msec 24 msec 28 msec
 2 78.78.78.2 [MPLS: Label 99 Exp 0] 28 msec 32 msec 28 msec
 3 181.181.181.1 [MPLS: Label 99 Exp 0] 36 msec 24 msec 24 msec
 4 110.110.110.1 28 msec 28 msec 28 msec
 5 103.103.103.2 [MPLS: Label 66 Exp 0] 28 msec 28 msec 24 msec
 6 135.135.135.2 28 msec 28 msec *
```

which statement is correct?

- A. There is no problem with the end-to-end LSP as indicated by the successful trace.
- B. Normal PHP operation is performed by the hop 4 router.
- C. The end-to-end LSP is broken at hop 4.
- D. At each hop, each LSR is able to perform label swapping.

Correct Answer: C

QUESTION 5

An engineer is working in a service provider environment to troubleshoot a MPLS VPN. The engineer determines that LDP neighborship is flapping between two routers and causing disruption to the traffic. Which LDP feature can help to solve the issue?

- A. LDP Discovery
- B. LDP auto-configuration
- C. LDP graceful-restart
- D. LDP NSF

Correct Answer: C



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