



642-887^{Q&As}

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QUESTION 1

Scenario: After reviewing present router configuration CE7 .which two statements are correct regarding behavior of the "llq" policy-map? (Choose 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.

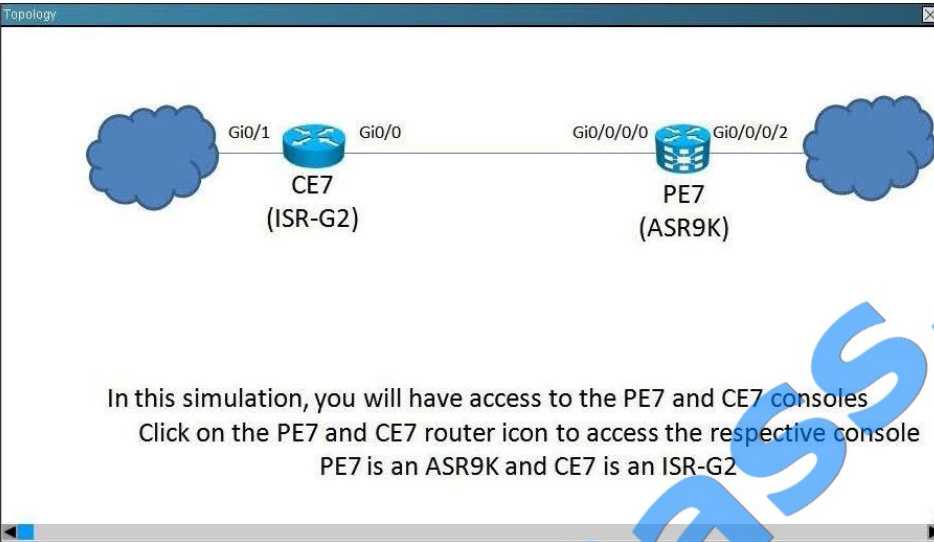
No console or enable passwords are required.

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. 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.



CE7

```
CE7#
```

RP/0/RSP0/CPU0:PE7

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





- A. Traffic matched by the "cisco1" class-map will be assigned to the priority queue.
- B. The "llq" QoS policy is applied to the gi0/0 interface in the output direction
- C. Traffic matched by the "cisco2" class-map has a maximum bandwidth of 30%
- D. Traffic matched by the "cisco3" class-map has no priority and has a minimum bandwidth guarantee of 20%
- E. There are no packets being matched by the "class-default" traffic class in the "llq" policy

Correct Answer: AD

Explanation: You will notice that "cisco1" class map is assigned to the priority queue (the command is configured under policy-map llq class cisco1 priority xxx) "cisco2" class map: is indeed configured using bandwidth 30%, however that defines the minimum bandwidth but not the maximum.

"cisco3" class map: is indeed configured using "bandwidth 20%", No priority configured and that will define the minimum guaranteed bandwidth.

The last choice is wrong! check under "show policy-map interface" There are 4 or more packets being matched by the "class-default" traffic class in the "llq" policy.

Class-map: class-default (match-any)

4 packets, 968 bytes

QUESTION 2

Put the MPLS LDP steps on the left into the correct order from top to bottom on the right.

Select and Place:

Put the MPLS LDP steps on the left into the correct order from top to bottom on the right.

Build RIB	Target
Build LFIB	Target
Assign Labels	Target
Advertise Labels	Target

Correct Answer:



Put the MPLS LDP steps on the left into the correct order from top to bottom on the right.

	Build RIB
	Assign Labels
	Advertise Labels
	Build LFIB

QUESTION 3

An engineer has been tasked to configure a guaranteed 10 Mbps priority queue for traffic matched by class-map VOICE_CLASS on Cisco IOS XR. Which policy must be applied for outgoing traffic on interface FastEthernet 0/0/1?

A. configure policy-map VOICE_POLICY class VOICE_CLASS police rate 10000 exceed-action drop exit priority level 1 exit exit interface FastEthernet 0/0/1 service-policy output VOICE_POLICY commit

B. configure policy-map VOICE_POLICY class VOICE_CLASS priority percent 10 exit exit interface FastEthernet 0/0/1 service-policy output VOICE_POLICY

commit

C. configure policy-map VOICE_POLICY class VOICE_CLASS police rate 1000 exceed-action drop exit priority level 1 exit exit interface FastEthernet 0/0/1 service-policy output VOICE_POLICY commit

D. configure policy-map VOICE_POLICY class VOICE_CLASS police rate 10 Mbps exceed-action shape exit priority level 1 exit exit interface FastEthernet 0/0/1 service-policy output VOICE_POLICY commit

Correct Answer: A

QUESTION 4

What is a crucial LDP default operating behavior?

A. LDP uses the solicited mode by default. An LDP label request is sent to the FIB next hop LSR. When the egress router receives the request, it returns message with all the label-mapping information for the LSP is generated.

B. LDP establishes a TCP session between the PE routers, thus providing label mapping for the LSP

C. LDP uses downstream unsolicited mode by default. An LSR advertises label mappings to peers without being asked

D. LDP uses UDP-confirmed messages to establish sessions between PE ingress and egress routers. The UDP messages encode the label information for each LSP and sub- LSP link

Correct Answer: C

QUESTION 5



A network operations center analyzes a Wireshark capture and tries to verify which QoS policy is effective over a customer router. How many bits define the DSCP values?

- A. 3
- B. 6
- C. 8
- D. 16

Correct Answer: B

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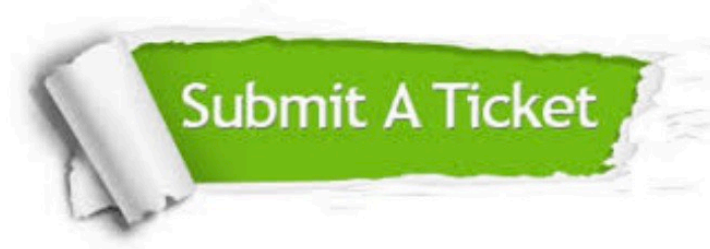
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