



642-887^{Q&As}

Implementing Cisco Service Provider Next-Generation Core Network Services

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**QUESTION 1**

A service provider experiences routing issues in a customer MPLS network. The customer has two sites that are connected over its core. Which feature can be used for troubleshooting?

- A. disabling of Cisco Express Forwarding, to enable the use of LSP Ping and LSP Traceroute to verify the IP routing path
- B. redistribution between the BGP IPv4 and VPNv4 address families, to use labels to forward the customer packets
- C. LSP Ping, to confirm that the label-switched path is used for transport
- D. traceroute, to verify the label-switched path that is used for point-to-multipoint

Correct Answer: C

QUESTION 2

An engineer is having a problem getting an operational 10 Gigabit link on a Cisco ASR 9000 series router. The service provider instructs the engineer to use an LR optic. The engineer must access the router remotely. Which command should the engineer issue to determine that the correct optic has been installed?

- A. show controllers
- B. show module optics
- C. show ip interface
- D. show optics

Correct Answer: A

QUESTION 3

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 4



Drag the Cisco MQC configuration task on the left to match the correct description on the right. (Not all options on the left are required.)

Select and Place:

Drag the Cisco MQC configuration task on the left to match the correct description on the right. (Not all options on the left are required.)

class-map	applies the QoS policy to an interface
tcp-map	defines the PHB QoS action(s) for each of the different traffic classes
route-map	defines the matching parameter(s) for classifying packets into service classes
policy-map	
service-policy	
route-policy	
qos-group	

Correct Answer:

Drag the Cisco MQC configuration task on the left to match the correct description on the right. (Not all options on the left are required.)

	service-policy
tcp-map	policy-map
route-map	class-map
route-policy	
qos-group	

QUESTION 5



You are configuring MPLS LDP in a new network segment and notice that LDP sessions are discovered but no sessions are established. Which issue is preventing the establishment of the LDP neighbors?

- A. The loopback addresses of the label switch routers are unavailable
- B. MPLS labels are not allocated for local routers
- C. IP Cisco Express Forwarding is disabled on the label switch routers
- D. An access link is blocking TCP port 711 on the MPLS routers

Correct Answer: A

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