



642-887^{Q&As}

Implementing Cisco Service Provider Next-Generation Core Network Services

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**QUESTION 1**

Drag the MPLS Diff-Serv tunneling mode on the left to match the correct description on the right.

Select and Place:

Drag the MPLS Diff-Serv tunneling mode on the left to match the correct description on the right.

Pipe Mode	If a QoS marking (MPLS EXP) is changed in the MPLS network, it is also changed in the egress IP packet.
Short-Pipe Mode	This provides QoS transparency where the customer QoS marking (for example, DSCP) in the IP packet is preserved. The egress PE uses the original customer QoS marking instead of the service provider QoS marking.
Uniform Mode	QoS is done on the output interface of the PE router that is based on the received MPLS EXP field. The customer QoS marking (for example, DSCP) is not altered when the customer packet travels from the ingress to the egress of the MPLS domain.

Correct Answer:



Drag the MPLS Diff-Serv tunneling mode on the left to match the correct description on the right.

Uniform Mode

Short-Pipe Mode

Pipe Mode

QUESTION 2

Which driver uses an IntServ QoS model in an MPLS TE enabled service provider network?

- A. DSCP, which requires signaling across the provider network
- B. RSVP, which enables bandwidth guarantees across a provider network
- C. RSVP, which enables per-hop behavior across a provider network
- D. DSCP, which enables bandwidth guarantees across a provider network

Correct Answer: B

QUESTION 3

Refer to the partial Cisco IOS XR configurations exhibit for Router 1 and Router 2.



```
RP/0/RP1/CPU0:Router1#show running-config mpls ldp
```

```
mpls ldp
router-id 33.33.33.33
log
 adjacency
!
interface GigabitEthernet0/2/0/6
!
```

```
RP/0/RP1/CPU0:Router2#show running-config mpls ldp
```

```
mpls ldp
router-id 10.12.0.3
log
 neighbor
!
interface GigabitEthernet0/0/2/2
!
```

```
RP/0/RP1/CPU0:Router1#show running-config router ospf
```

```
router ospf test
area 0
 interface Loopback7
  passive enable
!
```

```
RP/0/RP1/CPU0:Router2#show running-config router ospf
```

```
router ospf test
area 0
 interface Loopback0
  passive enable
!
interface GigabitEthernet0/0/2/2
!
```

There are two routers that are connected back to back over the Gigabit Ethernet link. If the "show mpls ldp neighbor" command output on Router 1 does not show LDP peering with Router 2, what could be the possible root cause of the LDP peering problem?

- A. missing interface under OSPF IGP configuration
- B. hello timers mismatch on Router 1 and Router 2
- C. password for LDP session mismatch on Router 1 and Router 2
- D. MPLS LDP session protection is not configured

Correct Answer: A

**QUESTION 4**

Which two statements are correct in describing ISP environments that are running IP/MPLS in the core network? (Choose two.)

- A. On the PE routers, each BGP route must use a unique label to reach the BGP next hop.
- B. The BGP next hops point to the PE routers, and only the PE routers are required to run BGP.
- C. A full mesh of IBGP sessions are required between all of the PE and P routers to ensure proper packets forwarding.
- D. The PE and P routers run LDP to learn the labels for reaching the BGP next-hop addresses.

Correct Answer: BD

QUESTION 5

An engineer has been tasked to configure a guaranteed 2 Mbps of bandwidth for outgoing FTP traffic on interface FastEthernet 1/1/1 on Cisco IOS XR. Which method accomplishes this configuration?

A. configure terminal class-map FTP_CLASS match protocol ftp exit policy-map POLICY_1 class FTP_CLASS bandwidth 2000 exit exit interface FastEthernet 1/1/1 service-policy output POLICY_1 end commit

B. configure terminal

```
class-map FTP_CLASS
```

```
match protocol ftp
```

```
exit
```

```
policy-map POLICY_1
```

```
class FTP_CLASS
```

```
bandwidth 2000000
```

```
exit
```

```
exit
```

```
interface FastEthernet 1/1/1
```

```
service-policy input POLICY_1
```

```
end
```

```
commit
```

C. configure terminal access-list 100 permit ip any any eq 21 policy-map POLICY_1 match ip access-list 100 bandwidth 2000 exit exit interface FastEthernet 1/1/1 service-policy output POLICY_1 end commit

D. configure terminal policy-map POLICY_1 class FTP_CLASS match protocol ftp bandwidth 2000000 exit exit interface FastEthernet 1/1/1 service-policy input POLICY_1 end commit



Correct Answer: A

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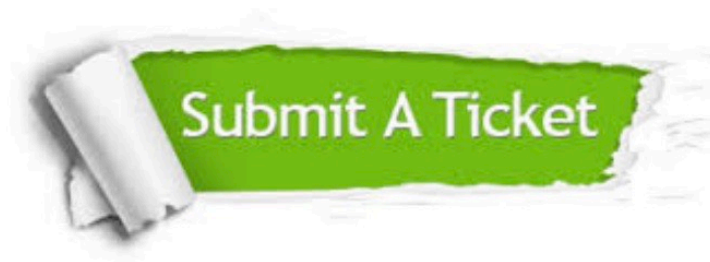
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