4A0-103^{Q&As}

Alcatel-Lucent Multiprotocol Label Switching

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QUESTION 1

Which of the following is NOT required when configuring an LSP with an admin group constraint on an Alcatel-Lucent 7750 SR?

A. Enable traffic engineering on all routers along the LSP path.

B. Enable CSPF on the head-end router.

C. Configure a path definition on all routers along the LSP path.

D. Enable MPLS and RSVP on all routers along the LSP path.

Correct Answer: C

QUESTION 2

If an LSP needs to use an admin group, which of the following configurations is NOT required on the Alcatel-Lucent 7750 SR?

A. Assign an admin group to a MPLS interface.

B. Configure CSPF on the LSP.

C. Configure at least one strict hop on the LSP path.

D. Configure an "include" or "exclude" statement on the LSP path.
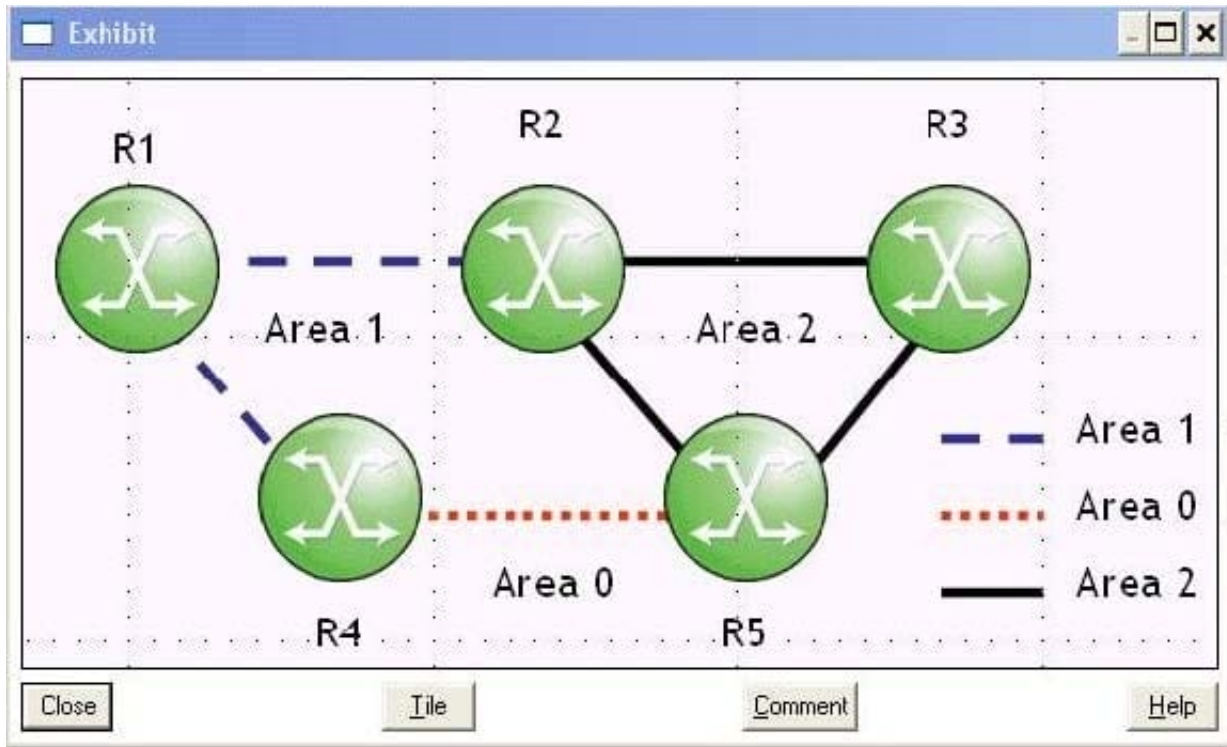
Correct Answer: C

QUESTION 3

Which of the following devices receives labeled packets from the MPLS domain, removes the MPLS header, and forwards unlabeled packets outside the MPLS domain?

A. P router

B. LSR

C. eLER

D. iLER

Correct Answer: C

QUESTION 4

Click on the exhibit button below. Assume the following:

-Each router\\'s OSPF interfaces are in the areas shown.

-Bidirectional LDP-over-RSVP tunnels extend from routers R1 to R3 and back over the path R1-R4-R5R3.

-You enable fast reroute facility bypass on the R5-R3 RSVP LSP.

-Router R5 acts as a PLR, protecting the R5-R3 link by building a bypass tunnel through router R2.

You build a layer 2 VPN on routers R1 and R3, using the LDP-over-RSVP tunnels. What MPLS configuration step must you complete on router R2 for it to protect the end-to-end service?

A. Enable LDP on the R2-R5 interface.

B. Configure T-LDP sessions between routers R2 and R5 and R3.

C. Configure LDP-over-RSVP support on router R2.

D. Enable MPLS and RSVP on the router R2 network interfaces.

E. Enable LDP on the R2-R5 and R2-R3 interfaces.

Correct Answer: D

QUESTION 5

Which of the following LDP messages are used in the successful establishment of LDP sessions? Choose three answers

A. Label request message

B. Notification message

C. Address message

D. Keepalive message

E. Initialization message

F. Hello message

Correct Answer: DEF

QUESTION 6

Click on the exhibit.

```
Actual Hops :
    10.1.3.1(10.10.10.1) @ n                Record Label    : N/A
 -> 10.1.3.3(10.10.10.3) @ n                Record Label    : 131069
 -> 10.3.4.4(10.10.10.4) @                  Record Label    : 131069
 -> 10.2.4.2(10.10.10.2)                    Record Label    : 131067
 -> 10.2.6.6(10.10.10.6)                    Record Label    : 131071
ComputedHops:
    10.1.3.1(S)            -> 10.1.3.3(S)        -> 10.3.4.4(S)
 -> 10.2.4.2(S)            -> 10.2.6.6(S)
```

The partial command output from an Alcatel-Lucent 7750 SR is shown. Which of the following about this LSP path is TRUE?

A. R4 (10.10.10.4) has established a link protection tunnel.

B. R6 (10.10.10.6) has established a link protection tunnel.

C. R2 (10.10.10.2) has established a node protection tunnel.

D. R1 (10.10.10.1) has not established a node protection tunnel.

Correct Answer: A

QUESTION 7

Which of the following regarding MPLS Encapsulation is FALSE?

A. The customer\\'s Layer 2 header is preserved at the iLER for Layer 2 services.

B. The customer\\'s Layer 2 Header is preserved at the iLER for Layer 3 services.

C. The service provider\\'s Layer 2 header is added at the iLER for Layer 2 services.

D. The service provider\\'s Layer 2 header is added at the iLER for Layer 3 services.

Correct Answer: B

QUESTION 8

Click on the exhibit.
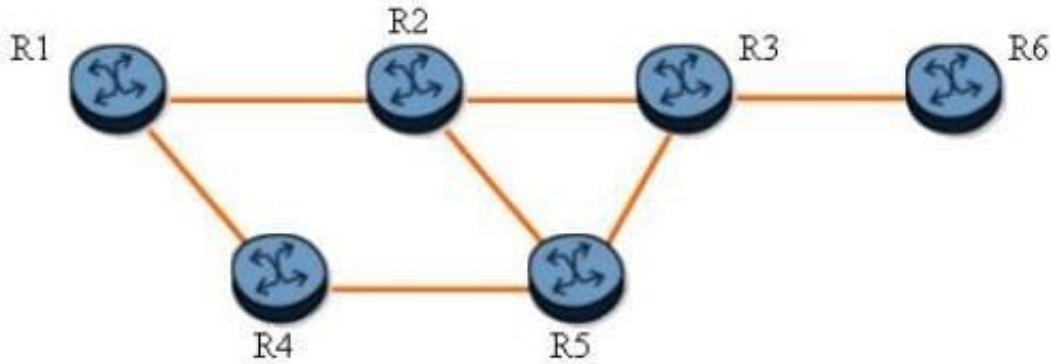
Assume that the packet in the original LSP already has two labels.

An LSP traverses R1-R2-R3-R6 and one-to-one fast reroute is enabled. If the protected LSP transports two labels, and router R2 has failed, how many labels will be on the detour path?

A. 1

B. 2

C. 3

D. 4

Correct Answer: B

QUESTION 9

Which MPLS label mode saves label mappings received from all peer LSRs?

A. Conservative label retention

B. Liberal label retention

C. Downstream on demand

D. Downstream unsolicited

Correct Answer: B

QUESTION 10

Which of the following regarding the location of an MPLS label is FALSE?

A. The MPLS label value may be carried in an ATM header.

B. The MPLS label value may be carried in a shim header.

C. The MPLS label value may be carried in an OSPF header.

D. The MPLS label value may be carried in a Frame Relay header.

Correct Answer: C

QUESTION 11

Click on the exhibit.
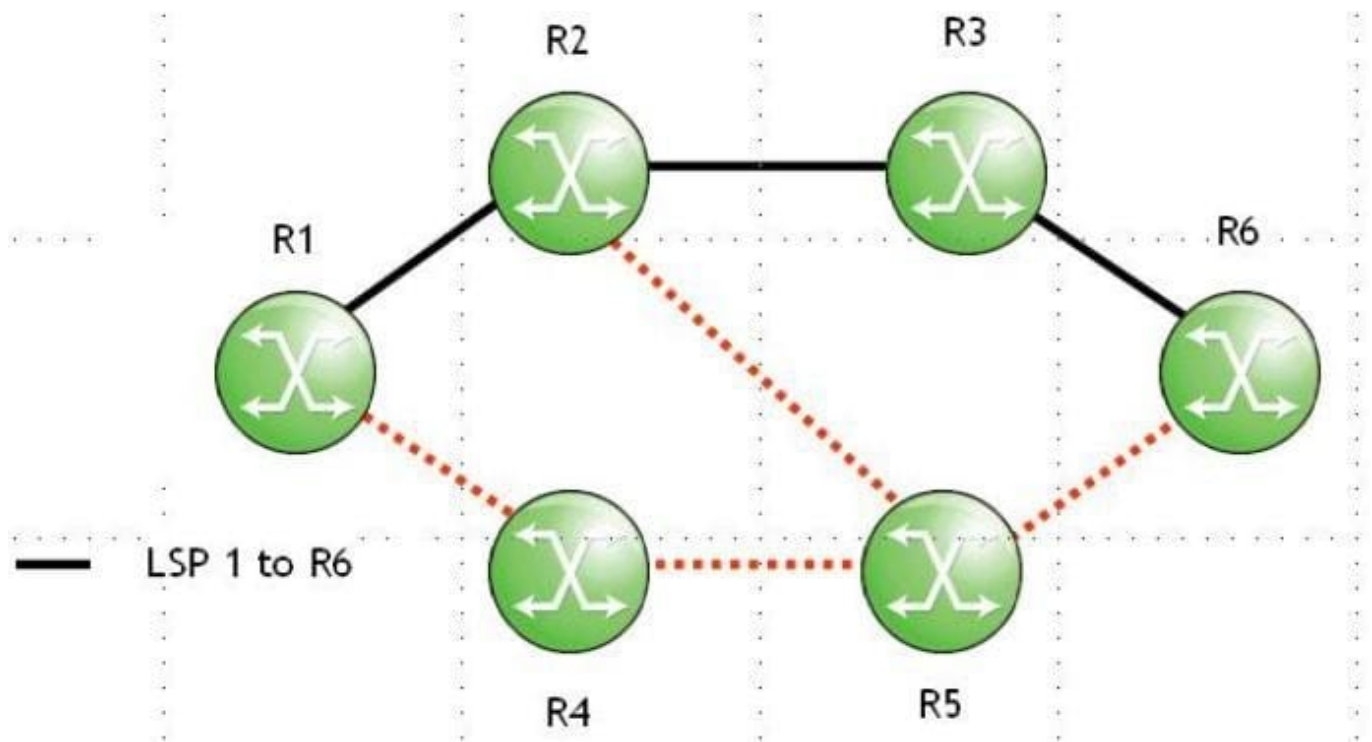
When router R1 forwards a PATH message to router R2, which of the following about the PATH message\\'s IP header is TRUE?

A. The options field is set to router alert.

B. The source address is R1\\'s egress interface address.

C. The destination address is R2\\'s ingress interface address.

D. The HOP object includes R2\\'s system address.

Correct Answer: A

QUESTION 12

Which of the following commands is used to display the database containing the OSPF-TE LSAs?

A. show router ospf opaque-database

B. show router ospf database

C. show router ospf opaque-lsa

D. show router ospf te opaque

Correct Answer: A

QUESTION 13

An Alcatel-Lucent 7750 SR has its TE update threshold enabled with the up threshold set to 40%. The maximum reservable bandwidth on the link is 200M and 30M have already been reserved. When will a TE update be sent on this link?

A. When the reserved bandwidth goes above 80M.

B. When the reserved bandwidth goes above 40M.

C. When an additional 80M bandwidth is reserved.

D. When an additional 40M bandwidth is reserved.

Correct Answer: A

QUESTION 14

What is the purpose of the MPLS TC field (EXP bits)?

A. Each implementation can use it as they see fit.

B. It is used to carry the Ether type value.

C. It is used to carry the TTL value.

D. It is used to carry QoS classification.

E. It is used to carry fragmentation flag information.

Correct Answer: D

QUESTION 15

Click on the exhibit.

```
*A:SRC_R3# oam lsp-ping prefix 192.10.1.2/32
LSP-PING 192.10.1.2/32: 80 bytes MPLS payload
Seq=1, send from intf toR1, reply from 10.10.10.2
        udp-data-len=32 ttl=255 rtt=2.45ms rc=3 (EgressRtr)

---- LSP 192.10.1.2/32 PING Statistics ----
1 packets sent, 1 packets received, 0.00% packet loss
round-trip min = 2.45ms, avg = 2.45ms, max = 2.45ms, stddev = 0.000ms
*A:SRC_R3#
```

After the Isp-ping command is executed, which of the following best describe the router\\'s action?

A. MPLS Echo Request packets are sent unlabeled to the prefix 192.10.1.2.

B. MPLS Echo Request packets are sent within the LDP tunnel that are signaled for 192.10.1.2.

C. MPLS Echo Request packets are sent within the RSVP-TE tunnel that are signaled for 192.10.1.2.

D. MPLS Echo Request packets are sent over TCP.

Correct Answer: B

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