



4A0-103^{Q&As}

Alcatel-Lucent Multiprotocol Label Switching

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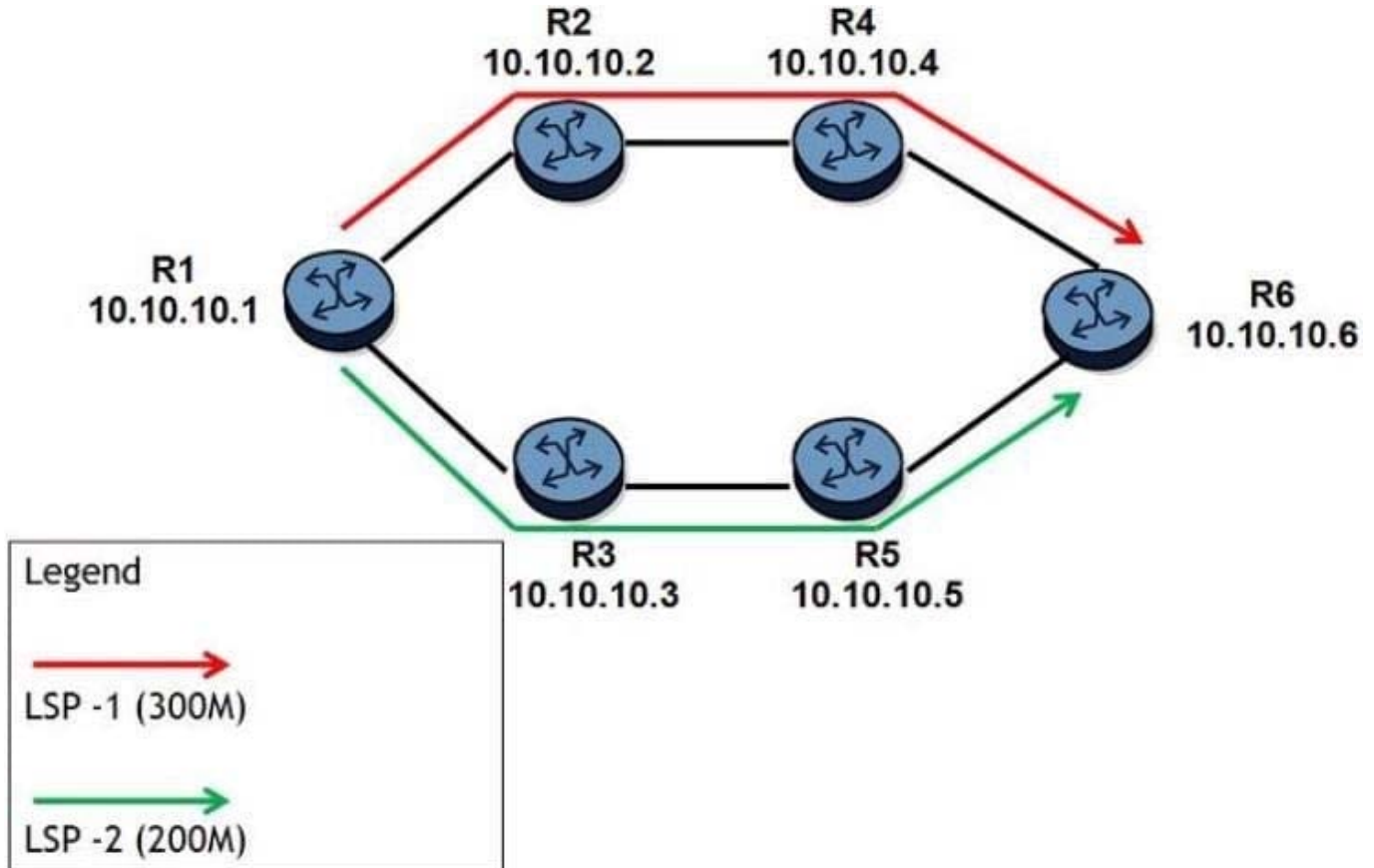
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QUESTION 1

Click on the exhibit.



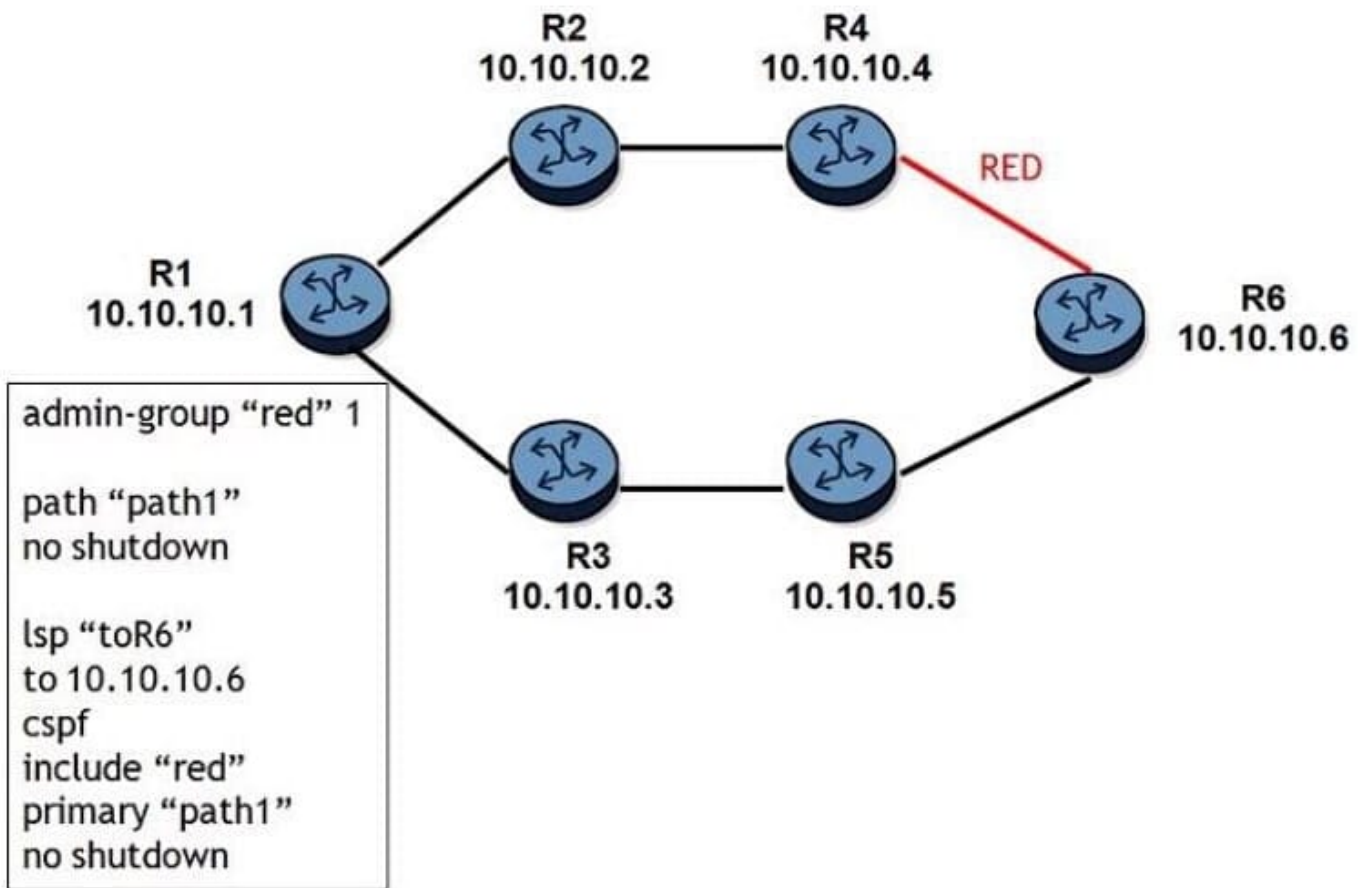
Initially, all links along the path R1-R2-R4-R6 have 400Mbps unreserved bandwidth and all links along the path R1-R3-R5-R6 have 800Mbps unreserved bandwidth. Shared Explicit reservation style is used and Make-Before-Break is enabled. Both fully loose LSPs have been signaled as shown. Later, the configured bandwidth for LSP-1 is changed to 400Mbps. Which of the following is TRUE?

- A. After a new path for LSP-1 is established on R1-R3-R5-R6, the old path is torn down.
- B. After the old path for LSP-1 is torn down, the new path is established on R1-R3-R5-R6.
- C. LSP-1 will stay on R1-R2-R4-R6 because there is enough bandwidth on the existing path.
- D. LSP-1 will be torn down because CSPF fails to find a new path.

Correct Answer: C

QUESTION 2

Click on the exhibit.



The link between routers R4 and R6 are configured with an admin group "red". What happens when the LSP is first signaled?

- A. The LSP will go through the path R1-R2-R4-R6.
- B. The LSP will go through the path R1-R3-R5-R6.
- C. The LSP is down because router R1 detects that no path can meet its constraints.
- D. The LSP is down because router R4 detects that no path can meet its constraints.

Correct Answer: C

QUESTION 3

Which of the following statements are true? Choose two answers

- A. Selected labels from the FIB are populated to the LIB.
- B. Selected labels from the LIB are populated to the LFIB.
- C. Selected routes from the RIB are populated to the FIB.
- D. Selected routes from the FIB are populated to the RIB.



E. All labels from the LIB are populated to the LFIB.

Correct Answer: BC

QUESTION 4

Which MPLS label mode propagates a label mapping only for the FEC for which a router has a label mapping for the FEC's next-hop?

- A. Independent control mode
- B. Ordered control mode
- C. Liberal label retention mode
- D. Conservative label retention mode
- E. Downstream on demand label distribution mode

Correct Answer: B

QUESTION 5

Click on the exhibit.

```
*A:SRC_R2# show router ldp session

=====
LDP Sessions
=====
Peer LDP Id      Adj Type  State      Msg Sent  Msg Recv  Up Time
-----
10.10.10.1:0     Link     Established  26        26        0d 00:00:59
-----
No. of Sessions: 1
=====
*A:SRC_R2#
```

Why might router R2 have a Link LDP session to R1 (10.10.10.1:0) but not to R3 (10.10.10.3:0)?

- A. LDP is not configured on R2.
- B. R2 does not have a route to 10.10.10.3.
- C. LDP is not configured on R3's interface to R2.
- D. The targeted session is not configured on R2.

Correct Answer: C



QUESTION 6

Which of the following statements is true when the implicit null is implemented?

- A. The penultimate router will POP the top label from the packets.
- B. The eLER will receive packets with a top label value of 3.
- C. The eLER will receive packets with a top label value of 0.
- D. The penultimate router will always receive unlabeled packets.
- E. The penultimate router performs a double lookup on the packet.

Correct Answer: A

QUESTION 7

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 8

Which LSA type is used for OSPF-TE?

- A. Type 8 LSA -- Link Local LSA
- B. Type 9 LSA -- Link local Opaque LSA
- C. Type 10 LSA -- Area local Opaque LSA
- D. Type 11 LSA --AS Opaque LSA

Correct Answer: C

QUESTION 9

LDP is enabled on both ends of a point-to-point link, but the "show router ldp status" command indicates that LDP is operationally down. The Oper Down Reason field shows the message "systemIpDown." What might cause this



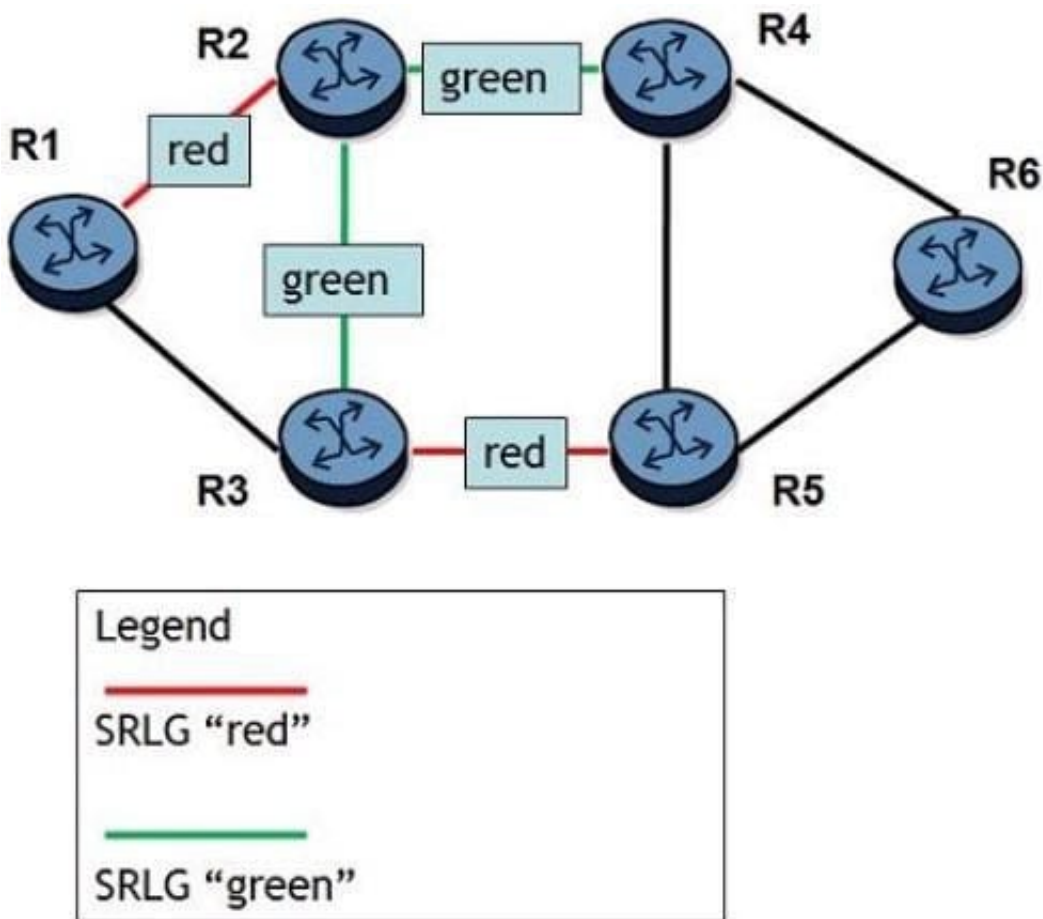
condition?

- A. The LSP is in the administrative down state.
- B. The router's router ID overlaps another.
- C. The router's interfaces do not have LDP running.
- D. The router's system interface requires an IP address

Correct Answer: D

QUESTION 10

Click on the exhibit.



An LSP's primary path takes R1-R3-R5-R6. Its fully loose secondary path is configured for SRLG. All links are of equal cost. Which path will the secondary path take?

- A. The secondary path will take R1-R3-R2-R4-R6.
- B. The secondary path will take R1-R2-R4-R6.
- C. The secondary path will take R1-R2-R3-R5-R6.



D. The secondary path will take R1-R3-R2-R4-R5-R6.

Correct Answer: A

QUESTION 11

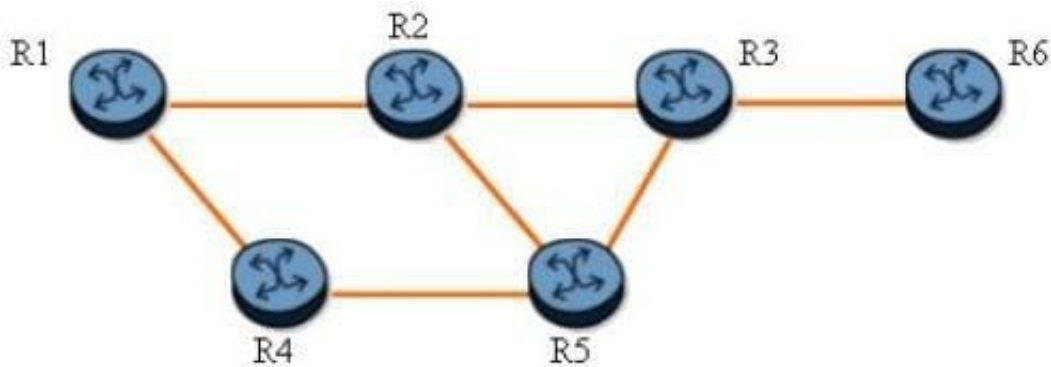
Which of the following are the default settings for the Alcatel-Lucent 7750 SR when using LDP?

- A. Ordered control mode; downstream on demand.
- B. Ordered control mode; downstream unsolicited.
- C. Independent control mode; downstream on demand.
- D. Independent control mode; downstream unsolicited.

Correct Answer: B

QUESTION 12

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 13

A targeted-LDP session may exist between directly connected or non-directly connected devices

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 14

Which of the following is a primary cause of IP hyper-aggregation?

- A. IP routing protocols do not always select the best route to a destination.
- B. IP routing protocols always select multiple routes to a destination.
- C. IP routing protocols do not make use of all available network attributes to select a path
- D. Improper network design results in limited network path redundancy.

Correct Answer: C

QUESTION 15

Which of the following about Link TLVs found inside Type 10 Opaque LSAs is FALSE?

- A. Link TLVs are used to advertise administrative group information.
- B. Link TLVs are exchanged once RSVP is enabled on the interfaces.
- C. Link TLVs are used to advertise router-IDs.
- D. Link TLVs are used to advertise bandwidth information.

Correct Answer: C

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