

# 4A0-103<sup>Q&As</sup>

Alcatel-Lucent Multiprotocol Label Switching

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**QUESTION 1**

Which of the following statements regarding LDP-over-RSVP are true? (Choose two)

- A. Targeted sessions must exist between all routers in the tunnel's path.
- B. Each LDP interface must be configured to support LDP tunneling.
- C. LDP prefixes resolve to an RSVP LSP, rather than to a physical egress interface.
- D. RSVP LSPs must exist between each PE-ABR pair, or ABR-ABR pair in each area.

Correct Answer: CD

**QUESTION 2**

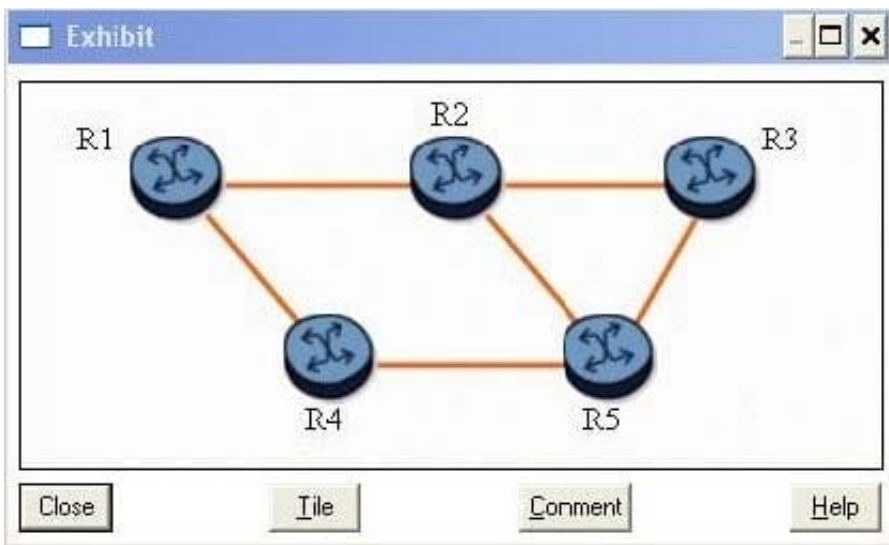
Which of the following regarding per-platform label space is TRUE?

- A. A separate label is used for each interface on which the FEC is advertised.
- B. A single label is assigned to a FEC for all interfaces on the same router,
- C. It is typically used when the device has ATM or Frame Relay interfaces.
- D. It uses more label resources than a per-interface label space.

Correct Answer: B

**QUESTION 3**

Click on the exhibit button below.



Assuming that LSP R1-R2-R3 requests the default fast reroute configuration, which router becomes a DMP for the

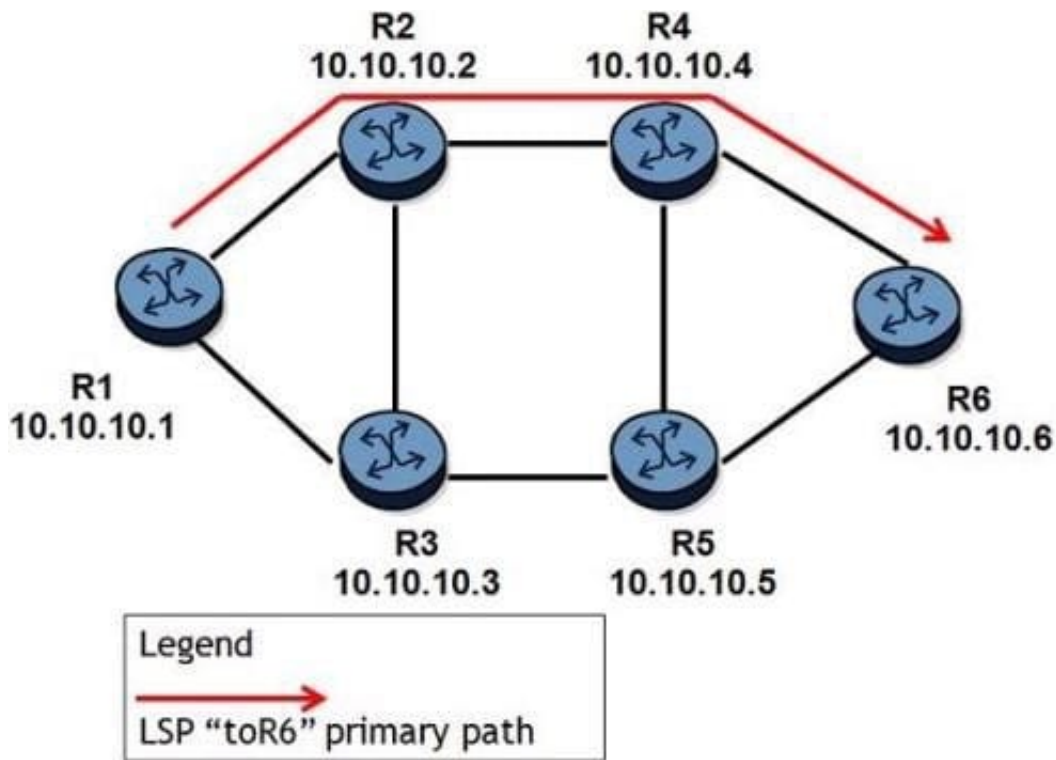
detour tunnels?

- A. Router R1
- B. Router R2
- C. Router R3
- D. Router R4
- E. Router R5

Correct Answer: E

**QUESTION 4**

Click on the exhibit.



An LSP path is established on router R1 toward router R6. If there is a problem on router R4, but the link between R2 and R4 remains up, which of the following will affect the failure detection time?

- A. The time router R2 takes to receive a PATH Error message from router R4.
- B. The time router R2 takes to find out a number of RSVP Hello messages have been missed.
- C. The time router R2 takes to send a PATH Tear message to the head-end router.
- D. The time router R2 takes to receive a PATH message from router R4 after a PATH refresh interval.

Correct Answer: B

**QUESTION 5**

Which of the following statements regarding the MPLS SWAP label operation is true?

- A. The inner label will be exchanged with the MPLS outer label.
- B. The inner label will be exchanged for a new label.
- C. The outer label will be exchanged for a new label.
- D. All labels will be exchanged for one new label.
- E. All labels will be exchanged for an equal number of new labels.

Correct Answer: C

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**QUESTION 6**

An IS-IS TE enabled router has an interface on a 500Mbps link and it is configured with a 25% subscription. If this interface is not used by any LSPs. what value will be shown in the Reservable Bandwidth sub-TLV?

- A. 125 Mbps
- B. 500 Mbps
- C. 625 Mbps
- D. 2000 Mbps

Correct Answer: A

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**QUESTION 7**

Which of the following about configuring an LSP path definition on an Alcatel-Lucent 7750 SR is FALSE?

- A. A path definition can have both loose and strict hops.
- B. A path definition can be configured with loose hops only.
- C. A path definition is configured on the head-end router only,
- D. A path definition is not required if CSPF is enabled on an LSP.

Correct Answer: D

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**QUESTION 8**

An LSP is configured with one-to-one FRR and node protection on a Alcatel-Lucent 7750 SR. Which of the following is FALSE?

- A. Each PLR signals a protection tunnel that avoids the downstream node.
- B. A single protection tunnel can protect all LSPs that go through the same hop.
- C. A link protection tunnel is signaled if a node protection tunnel cannot be established.
- D. Protection tunnels used in this LSP are also detour tunnels.

Correct Answer: B

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#### QUESTION 9

Which of the following is NOT an advantage of MPLS shortcuts for BGP traffic?

- A. It makes use of MPLS resiliency features available within an AS.
- B. It eliminates double route lookups on all routers within an AS.
- C. It eliminates the need to run IGP on all routers within an AS.
- D. It eliminates the need for an iBGP full mesh on all core routers.

Correct Answer: C

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#### QUESTION 10

Which of the following configurations allow a router to periodically attempt to move LSP traffic to a better path, if the head end can find one?

- A. `configure router mpls retry-timer 30`
- B. `configure router mpls resignal-timer 30`
- C. `configure router mpls retry-attempts 30`
- D. `configure router mpls global-revertive 30`

Correct Answer: B

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#### QUESTION 11

A router has two admin groups defined (GREEN=1 and RED=3). An interface is associated to both admin groups. What value will be shown in the Admin Group sub-TLV for this interface?

- A. 0x4
- B. 0x5
- C. 0x10
- D. 0xa

Correct Answer: D

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**QUESTION 12**

What are the default settings for RSVP-TE on the Alcatel-Lucent 7750 SR?

- A. Per-interface label space, liberal retention mode
- B. Per-platform label space; liberal retention mode
- C. Per-interface label space, conservative retention mode
- D. Per-platform label space, conservative retention mode

Correct Answer: D

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**QUESTION 13**

During node protection signaling, the PLR knows the address of the MP from which of the following methods?

- A. The PLR issues a RSVP path message to the destination router to request the address of the MP.
- B. The PLR learns the address of the MP from the ERO.
- C. The PLR learns the address of the MP from the RRO
- D. The PLR learns the address of the MP from the targeted RSVP hello message.
- E. The PLR does not need to know the address of the MP.

Correct Answer: C

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**QUESTION 14**

Which of the following statements regarding RSVP-TE is FALSE?

- A. RSVP-TE operates in a downstream unsolicited label advertisement mode.
- B. RSVP-TE makes use of ordered control mode.
- C. RSVP-TE is an MPLS signaling protocol, based on the resource reservation protocol.
- D. RSVP-TE enables the establishment of explicitly routed LSPs that can be automatically routed away from network failures
- E. RSVP-TE supports explicitly routed LSPs using either loose or strict route definitions.

Correct Answer: A

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**QUESTION 15**

Which of the following about RSVP-TE is FALSE?

- A. It supports traffic protection using IGP equal cost paths.
- B. It supports CAC to prevent resource overbooking.
- C. It supports LSPs with traffic engineering constraints.
- D. It supports LSPs that follow the IGP best path.

Correct Answer: A

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