

4A0-103^{Q&As}

Alcatel-Lucent Multiprotocol Label Switching

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QUESTION 1

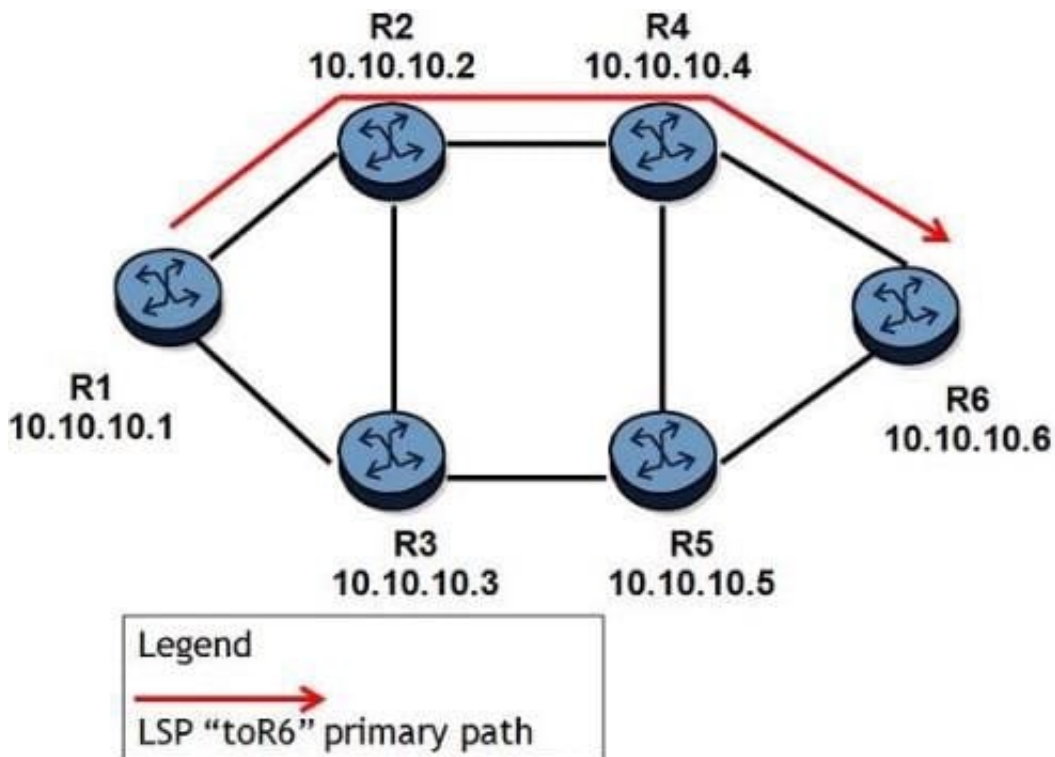
Which of the following configurations allow a router to periodically attempt to move LSP traffic to a better path, if the head end can find one?

- 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

QUESTION 2

Click on the exhibit.



Which of the following CANNOT be used to ensure the LSP toR6" will follow the path R1-R2- R4-R6?

- A. Admin groups
- B. Hop-limit
- C. Strict hops
- D. TE-Metric

Correct Answer: B

QUESTION 3

Fill in the blanks: A _____ device has all interfaces inside the provider domain, and a _____ device has at least one interface outside the provider domain.

- A. PE, P
- B. P, PE
- C. PE, CE
- D. CE, PE
- E. CE, P

Correct Answer: B

QUESTION 4

Which approach to LSP path diversity provides the most control, but the least flexibility?

- A. Administrative Groups
- B. Shared Risk Link Groups
- C. Strict hop LSP paths
- D. Fast reroute

Correct Answer: C

QUESTION 5

Which of the following are characteristics of an LSP? (Choose two)

- A. It is unidirectional.
- B. It is bidirectional.
- C. It must always have a secondary path.
- D. It provides a specific tunnel for a FEC through the network.
- E. It always follows the IGP best path.

Correct Answer: AD

QUESTION 6

Two directly connected routers set different interface Hello timeout values. Router R1 uses 15 seconds, while router R2 uses 30 seconds. Which of the following best describes the LDP adjacency?

- A. The adjacency forms with the lower timeout value.
- B. The adjacency forms with the higher timeout value.
- C. The adjacency is in init state.
- D. The adjacency times out after 30 seconds.

Correct Answer: A

QUESTION 7

Which of the following statements regarding RSVP refresh reduction are true? (Choose two)

- A. Message-IDs replace individual refresh messages.
- B. Refresh reduction applies only to reservation messages.
- C. RSVP generates a summary-refresh message for each LSP.
- D. An LSP state change causes an incremented Message-ID.

Correct Answer: AD

QUESTION 8

Which of the following devices can originate an opaque LSA?

- A. TE enabled OSPF routers
- B. Backbone router only
- C. ABR only
- D. ASBR only

Correct Answer: A

QUESTION 9

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 10

Click on the exhibit.

```
A:MPLS_R1# show router mpls lsp "toR6-8" path
=====
MPLS LSP toR6-8 Path
=====
LSP Name       : toR6-8                To           : 10.10.10.8
Adm State      : Up                    Oper State    : Up
=====
Path Name      Next Hop      Type          out I/F      Adm  Opr
-----
toR6-1         10.1.2.2     Primary       1/1/2        Up   Up
toR6-2         10.1.3.3     Standby       1/1/3        Up   Up
toR6-3         10.1.2.2     Standby       1/1/2        Up   Up
toR6-4         n/a          Secondary     n/a          Up   Dwn
toR6-5         n/a          Secondary     n/a          Up   Dwn
toR6-6         n/a          Secondary     n/a          Up   Dwn
toR6-7         n/a          Secondary     n/a          Up   Dwn
=====
```

If the primary path fails, which backup LSP path will the head-end router pick first?

- A. The Standby with the highest next-hop IP.
- B. The first Standby in the list.
- C. The Standby with the longest uptime.
- D. The Standby with the lowest next-hop IP.

Correct Answer: C

QUESTION 11

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 12

Click on the exhibit button below.

Exhibit
[-] [] [X]

```

A:Pl># show router ldp bindings active

=====
Legend: (S) - Static
=====
LDP Prefix Bindings (Active)
=====
Prefix                Op    IngLbl  EgrLbl  EgrIntf  EgrNextHop
-----
10.10.10.221/32      Pop   131071  --      --        --
10.10.10.222/32      Push  --      131071  1/1/2    10.1.2.2
10.10.10.222/32      Swap 131070  131071  1/1/2    10.1.2.2
10.10.10.223/32      Push  --      131071  1/1/4    10.1.3.3
10.10.10.223/32      Swap 131067  131071  1/1/4    10.1.3.3
10.10.10.224/32      Push  --      131065  1/1/2    10.1.2.2
10.10.10.224/32      Swap 131065  131065  1/1/2    10.1.2.2
10.10.10.224/32      Push  --      131065  1/1/4    10.1.3.3
10.10.10.224/32      Swap 131065  131065  1/1/4    10.1.3.3
10.10.10.241/32      Push  --      131071  1/1/1    10.16.1.2
10.10.10.241/32      Swap 131063  131071  1/1/1    10.16.1.2
10.10.10.242/32      Push  --      131069  1/1/2    10.1.2.2
10.10.10.242/32      Swap 131068  131069  1/1/2    10.1.2.2
10.10.10.243/32      Push  --      131070  1/1/4    10.1.3.3
10.10.10.243/32      Swap 131066  131070  1/1/4    10.1.3.3
10.10.10.244/32      Push  --      131064  1/1/2    10.1.2.2
10.10.10.244/32      Swap 131064  131064  1/1/2    10.1.2.2
10.10.10.244/32      Push  --      131064  1/1/4    10.1.3.3
10.10.10.244/32      Swap 131064  131064  1/1/4    10.1.3.3
=====
No. of Prefix Bindings: 19
=====

```

Close
File
Comment
Help

Given the output below, which of the following statements are true? (Choose three)

- A. A packet arriving with label 131066 and destined for prefix 10.10.10.243/32 will be forwarded out interface 1/1/4, with label 131070.
- B. LDP ECMP is enabled.
- C. The router's system address is 10.10.10.242/32.
- D. There are multiple LSPs to reach FEC 10.10.10.244/32.

E. The router cannot receive any unlabeled packets destined for prefix 10.10.10 223/32.

Correct Answer: ABD

QUESTION 13

Which of the following messages is NOT used in T-LDP operation?

- A. Hello message
- B. Init message
- C. Keepalive message
- D. Label Mapping message
- E. ACK message

Correct Answer: E

QUESTION 14

Which MPLS mode saves only active label mappings received from peer LSRs?

- A. Conservative label retention
- B. Liberal label retention
- C. Downstream on demand
- D. Downstream unsolicited

Correct Answer: A

QUESTION 15

Fill in the blanks: The device at the beginning of an LSP is referred to as the _____, and the device at the end of an LSP is referred to as the _____.

- A. PE, P
- B. LER, LSR
- C. LSR, LER
- D. iLER, eLER
- E. eLER, iLER
- F. P, PE

Correct Answer: D

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