



4A0-103^{Q&As}

Alcatel-Lucent Multiprotocol Label Switching

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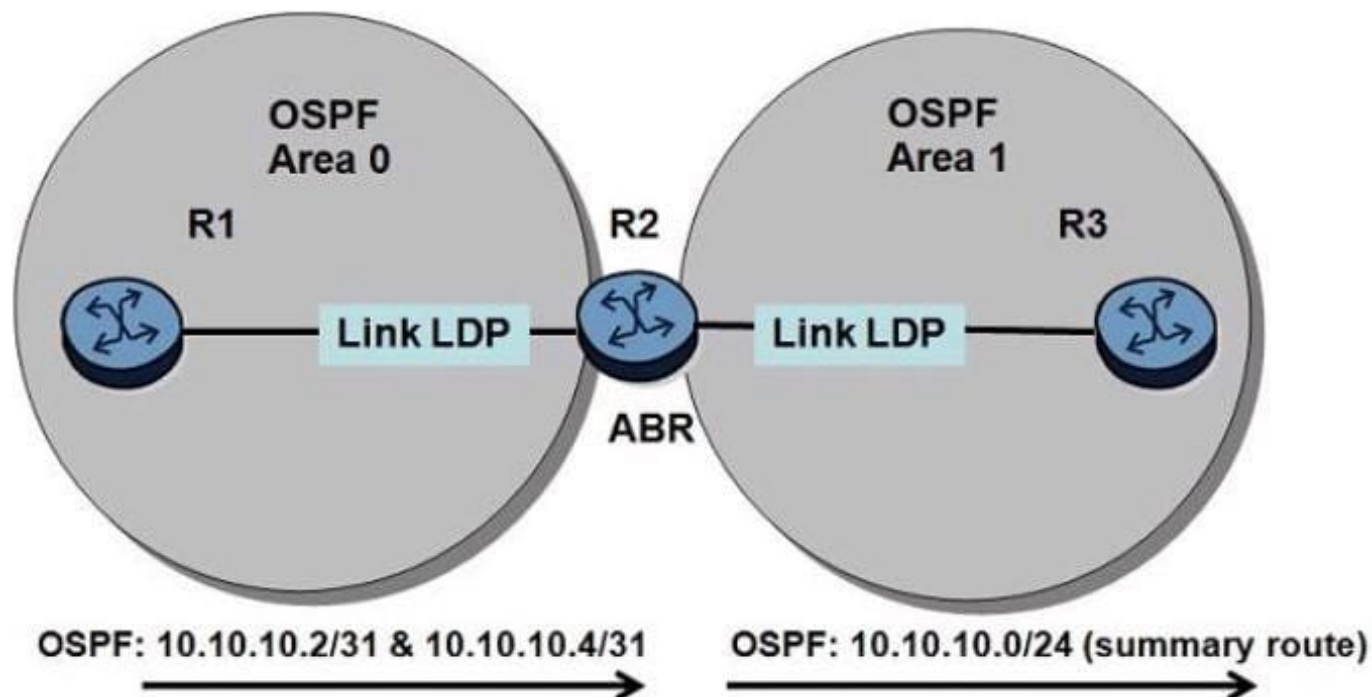
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**QUESTION 1**

Click on the exhibit.



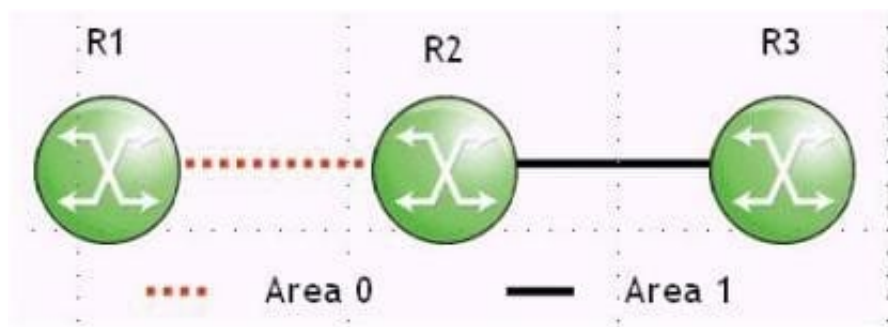
Router R2 advertises an OSPF summary route 10.10.10.0/24 into Area 1. Router R3 receives labels for individual FECs 10.10.10.2/32 and 10.10.10.4/32. These two FECs are installed in router R3's LIB but not in the LFIB. What needs to be done on router R3 to install these labels into its LFIB?

- A. Disable route summarization on router R3.
- B. Enable LDP aggregate prefix match.
- C. Create an import policy to accept 10.10.10.2/32 and 10.10.10.4/32.
- D. Disable LDP exact match on 10.10.10.2/32 and 10.10.10.4/32.

Correct Answer: B

QUESTION 2

Click on the exhibit button below:



Consider the following:

-

Router R2 is an ABR in OSPF Areas 0 and 1.

-

Router R2 advertises the aggregate prefix 10.10.10.0/24 into Area 1.

-

Router R1 in Area 0 generates LDP labels for FECs 10.10.10.2/31 and 10.10.10.4/31. Router R3 in Area 1 places these FECs in its LIB, but it does not place them in its LFIB. What can you do on router R3 to make it populate these labels in its LFIB?

A.

Disable route summarization on router R3

B.

Enable LDP aggregate prefix match

C.

Create an import policy to accept these FECs

D.

Disable LDP exact match on the specified FECs

Correct Answer: B

QUESTION 3

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

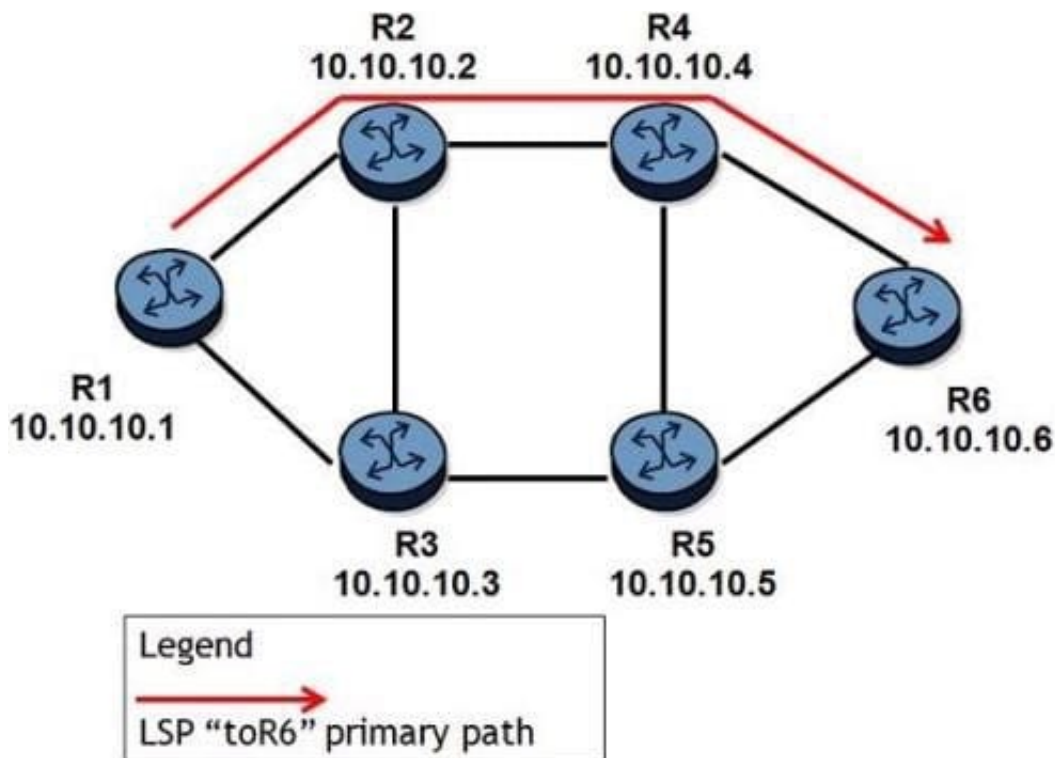


D. Fast reroute

Correct Answer: C

QUESTION 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 last two octets of the LDP identifier is true?

- A. It is always a random 16-bit number.
- B. It is always zero for per-interface label space.



- C. It is always non-zero.
- D. It is always zero for per-platform label space.
- E. It is always non-zero for per-platform label space.

Correct Answer: D

QUESTION 6

Click on the exhibit button below.

Exhibit

```
A:PE-1# show router ldp bindings active
=====
Legend:  (S) - Static
=====
LDP Prefix Bindings (Active)
=====
Prefix                Op    IngLbl  EgrLbl  EgrIntf  EgrNextHop
-----
10.10.10.60/32         Push  --      131067  1/2/1    10.16.1.1
10.10.10.61/32         Push  --      131071  1/2/1    10.16.1.1
10.10.10.62/32         Push  --      131070  1/2/1    10.16.1.1
10.10.10.66/32         Push  --      131069  1/2/1    10.16.1.1
10.10.10.67/32         Pop   131071  --      --        --
10.10.10.156/32        Push  --      131066  1/2/1    10.16.1.1
=====
No. of Prefix Bindings: 6
=====
A:PE-1#
```

Close

File

Comment

Help

Consider the output shown; what table is displayed?

- A. RIB
- B. FIB
- C. LIB
- D. LFIB

Correct Answer: D

QUESTION 7

Router R3 signals an LSP, reserving 1Gbps bandwidth on a 10Gbps link. RSVP configuration limits reservable



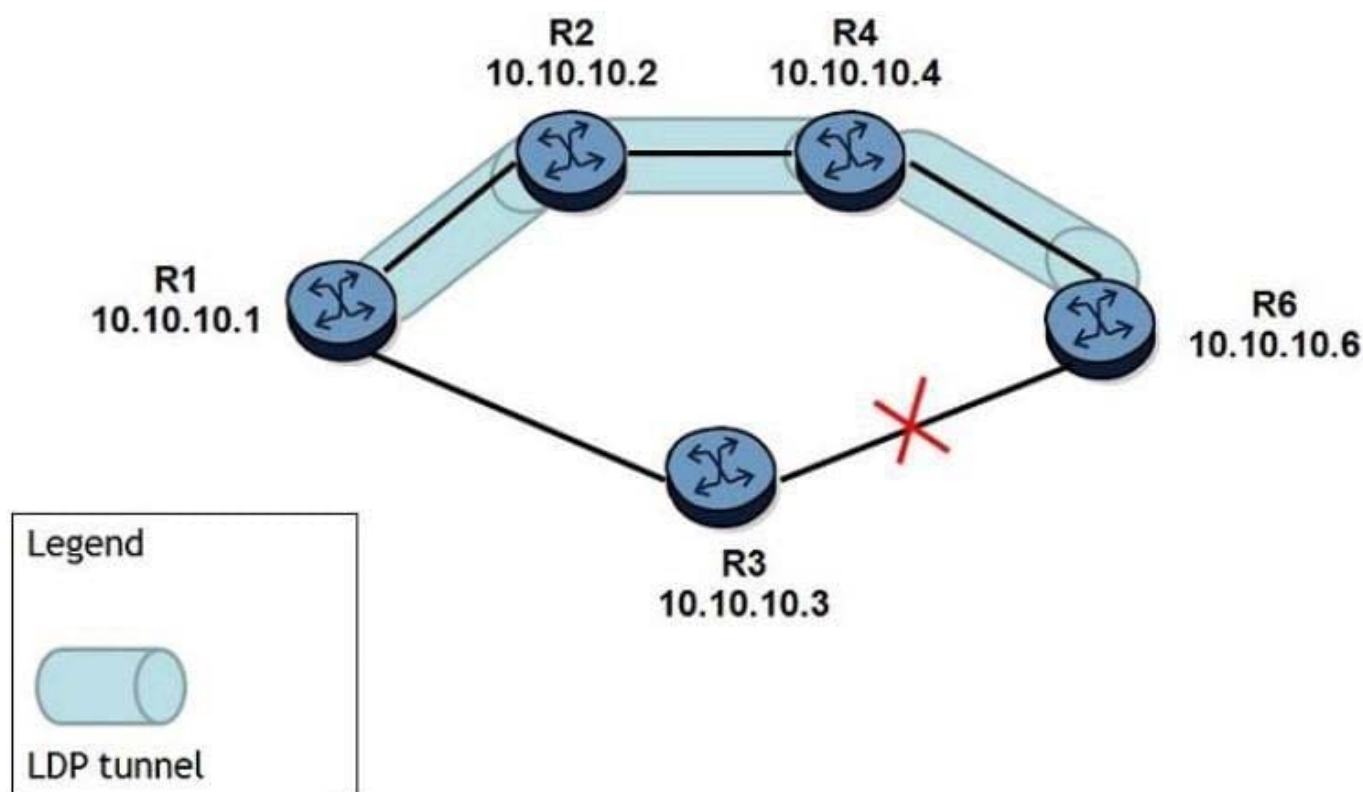
bandwidth to 20 percent on the egress interface. Which of the following statements is true?

- A. The egress RSVP interface has 80 percent bandwidth unreserved.
- B. LSPs can reserve an additional 9.9 Gbps bandwidth on this RSVP interface.
- C. The head end reserves 100Mbps for the LSP.
- D. The egress RSVP interface has 1Gbps bandwidth unreserved.

Correct Answer: D

QUESTION 8

Click on the exhibit.



An LDP tunnel is established on R1-R2-R4-R6 because the link between routers R3 and R6 is down. With the LDP-IGP Sync feature enabled and after the link is restored, which of the following is FALSE?

- A. Router R3 starts the LDP-Sync timer after recovering the LDP session on R3-R6.
- B. Router R1 continues to use R1-R2-R4-R6 until the LDP-Sync feature is disabled.
- C. Router R3 advertises the maximum metric for the link to router R6.
- D. Router R1 receives a label from router R3 after the LDP session is established on R3-R6.

Correct Answer: B

**QUESTION 9**

Which of the following is NOT an advantage of RSVP-TE compared to LDP?

- A. RSVP-TE supports Connection Admission Control (CAC).
- B. RSVP-TE enables simplified configuration of LSPs.
- C. RSVP-TE supports path calculations that do not use IGP cost.
- D. RSVP-TE provides support for traffic protection features.

Correct Answer: B

QUESTION 10

Click on the exhibit.

```
configure router policy-options
begin
prefix-list "reject"
prefix 192.168.1.0/24 longer
exit
policy-statement "LDP_export"
entry 10
from
prefix-list "reject"
exit
action reject
exit
entry 20
from
protocol direct
exit
action accept
exit
exit
exit
commit
```

This policy is applied as an LDP export policy. In addition to the FECs learned from its neighbors, which FECs now appear in the router's LIB?

- A. Local FECs not included in the 192.168.1.0/24 address space and the system IP FEC.
- B. Only the system IP FEC appears in the LIB.
- C. Any local FECs, except those with a 24-bit mask.
- D. Local FECs in the 192.168.1.0/24 address space.

Correct Answer: A

**QUESTION 11**

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 12

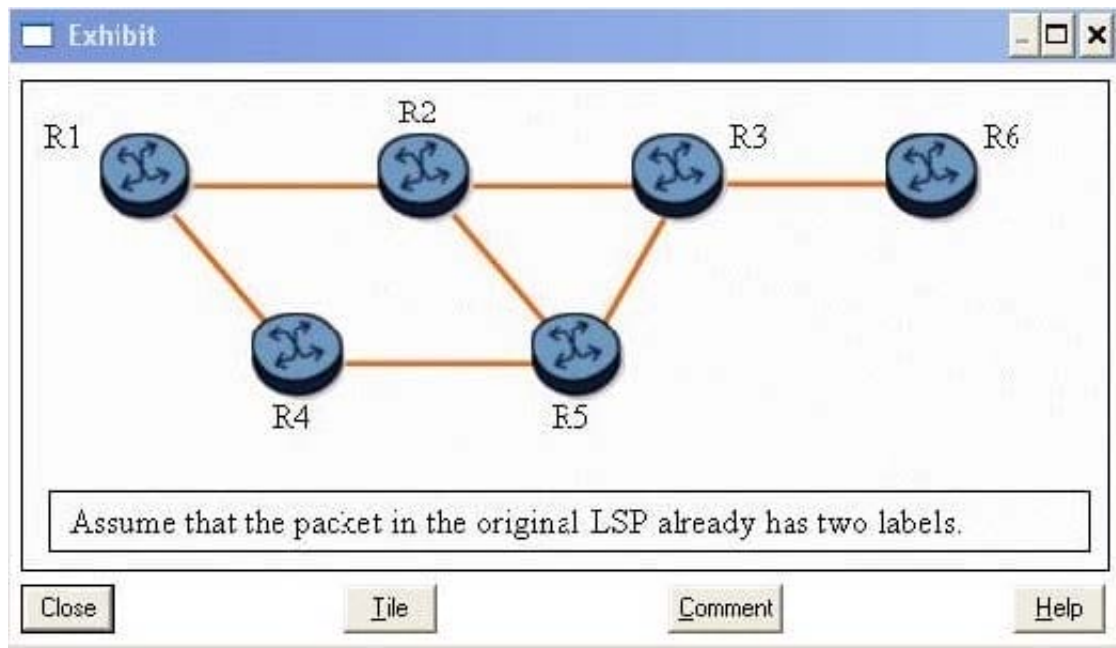
Which of the following is NOT required when configuring an LSP with an admin group constraint on an Alcatel-Lucent 7750 SR?

- 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 13

Click on the exhibit button below. Assume the following: -The protected path is R1-R2-R3-R6.



-Fast reroute one-to-one protection is enabled.

If the original LSP already has two labels, and router R2 has failed, how many labels will there be in packets on the detour path?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: B

QUESTION 14

Which of the following about Fast Reroute link protection tunnels is FALSE?

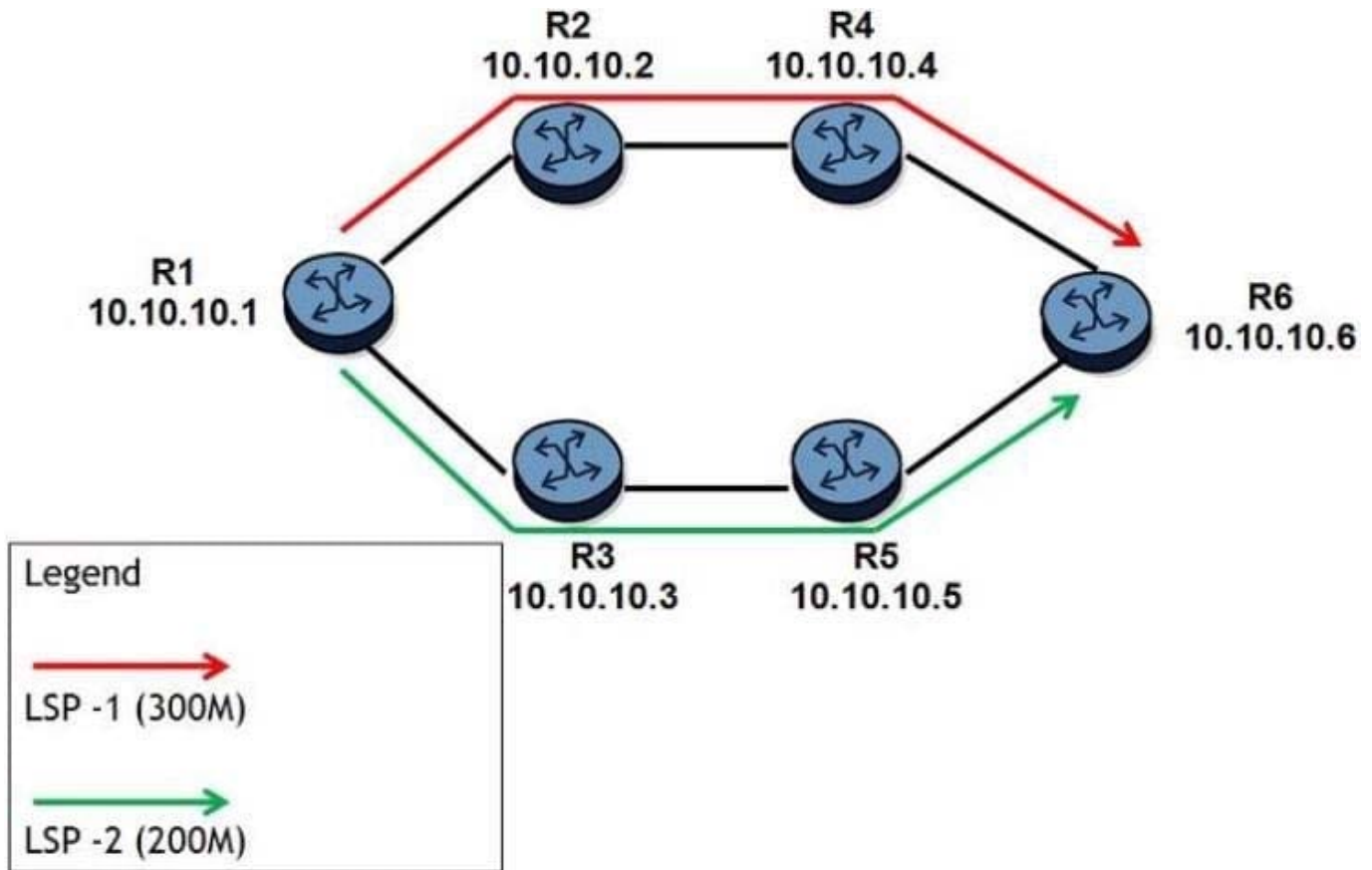
- A. Link protection tunnels are established if a router is unable to establish node protection tunnels.
- B. Link protection tunnels are only requested for a primary LSP path.
- C. Link protection tunnels can be created for both one-to-one or facility Fast Reroute.
- D. Link protection tunnels detour around a failed next downstream router.

Correct Answer: D

QUESTION 15



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