

4A0-101^{Q&As}

Alcatel-Lucent Interior Routing Protocols and High Availability

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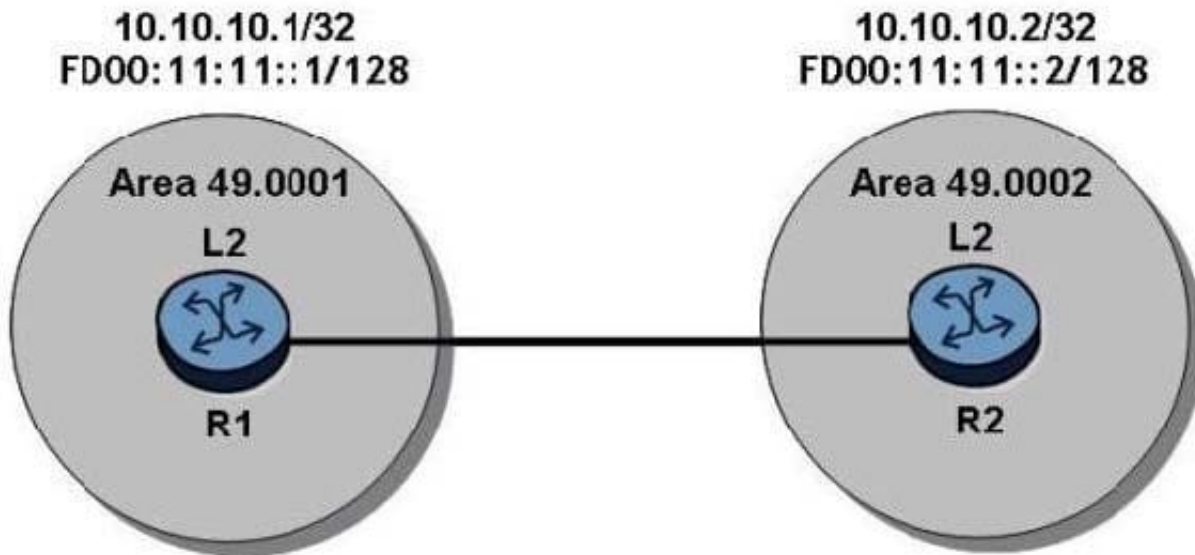
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QUESTION 1

Refer to the exhibit below. The routers have an established IS-IS L2 adjacency on which IPv4 system addresses are exchanged. An operator successfully configures multi-topology IS-IS routing so that the IPv6 system addresses are also exchanged between routers. Which of the following statements best describes the number of IS-IS adjacencies and the number of LSPs in the LSDB of R1 AFTER IPv6 has been configured?



- A. R1 has one IS-IS adjacency and one LSP.
- B. R1 has one IS-IS adjacency and two LSPs.
- C. R1 has one IS-IS adjacency and four LSPs.
- D. R1 has two IS-IS adjacencies and two LSPs
- E. R1 has two IS-IS adjacencies and four LSPs

Correct Answer: B

QUESTION 2

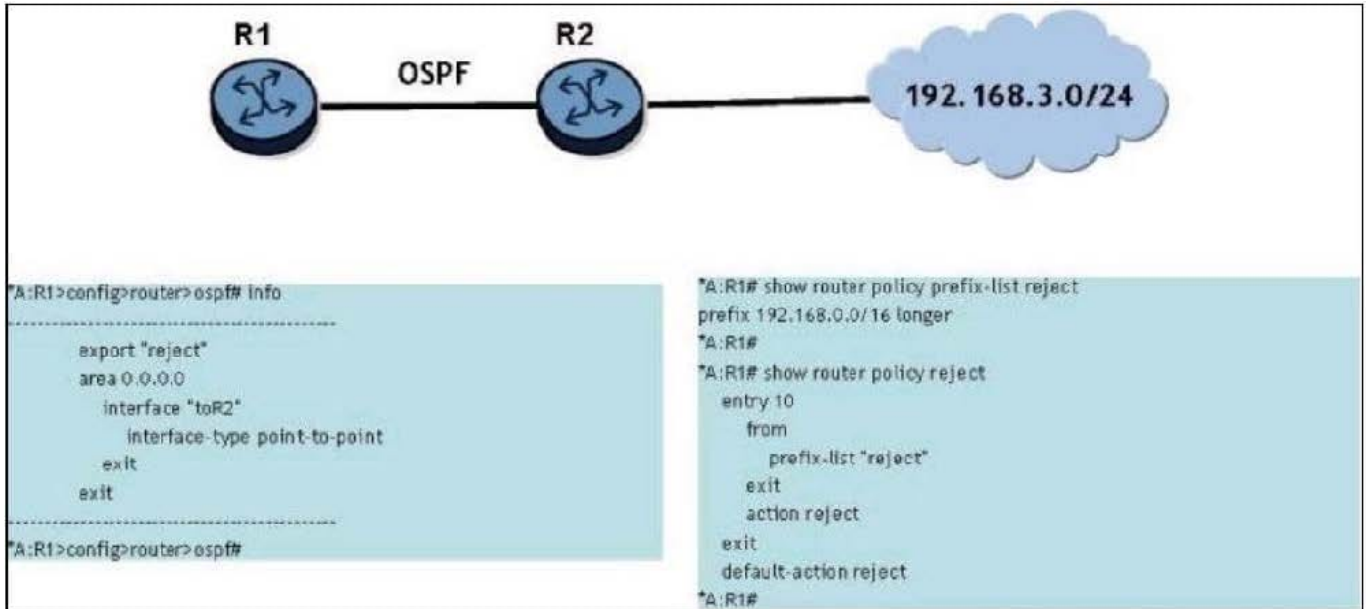
What are some of the characteristics of Alcatel-Lucent's implementation of non-stop routing? (Choose two)

- A. No protocol extensions required
- B. Only supported by OSPF and IS-IS
- C. Transparent to routing neighbors
- D. Uses Graceful Restart to inter-operate with other vendors

Correct Answer: AC

QUESTION 3

Click the exhibit button.



Router R2 advertises the network 192.168.3.0/24 to router R1 via OSPF. A route policy has been constructed to discard the route on router R1; however, it is not working. What is the problem?

- A. The prefix list reject should be "192.168.3.0/16 exact".
- B. Router R1 should be configured as an OSPF "asbr".
- C. The policy "reject" should be set for import rather than export.
- D. The policy was likely not "committed" after creation.
- E. This is not possible because OSPF cannot use import policies.

Correct Answer: E

QUESTION 4

What is the source IP address in an OSPF update?

- A. 224.0.0.5
- B. 224.0.0.6
- C. The unicast IP address of the interface the update is sent on
- D. The system address of the router.

Correct Answer: C

QUESTION 5

Which of the following are major features of OSPF? (Choose 2.)

- A. Fast reroute capability.
- B. Control traffic prioritization.
- C. Route redistribution.
- D. Traffic engineering extensions.
- E. Cut through forwarding.

Correct Answer: CD

QUESTION 6

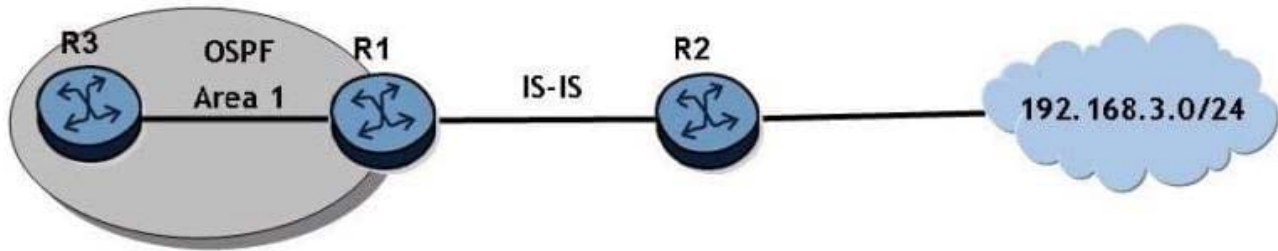
Which of the following is not included in a Router LSA?

- A. Operationally down interfaces in OSPF
- B. Fully adjacent virtual links
- C. Waiting state broadcast links
- D. Fully adjacent point-to-point links
- E. Loopback Interfaces in OSPF

Correct Answer: A

QUESTION 7

Click on the exhibit.



```
**A:AIKP_R01>config>router>ospf# info
```

```
-----
asbr
export "isis-ospf"
area 0.0.0.0
exit
area 0.0.0.1
  interface "toR3"
  interface-type point-to-point
  no shutdown
  exit
exit
-----
```

```
*A:AIKP_R01>config>router>ospf#
```

```
*A:AIKP_R01# show router policy "isis-ospf"
```

```
entry 10
  from
    protocol direct
  exit
  to
    protocol ospf
  exit
  action accept
  exit
exit
*A:AIKP_R01#
```

Router R1 learns the network 192.168.3.0/24 from IS-IS. Given the OSPF configuration shown, why isn't the 192.168.3.0/24 route in router R3's route table?

- A. The route policy should be applied as an import policy.
- B. The route policy should say "from protocol isis" instead of "from protocol direct".
- C. The ASBR configuration should be removed.
- D. The interface between routers R1 and R3 must be in OSPF area 0.

Correct Answer: B

QUESTION 8

Which OSPFv3 LSA type is similar in function to the OSPFv2 Type 3 LSA?

- A. Link
- B. Intra-Area Prefix
- C. Inter-Area Prefix
- D. Inter-Area Router

Correct Answer: C

QUESTION 9

A new router is added to a broadcast network. What is used by IS-IS as the tie breaker for selecting the DIS if the

priorities are the same?

- A. The router with the highest system ID.
- B. The router with the highest loopback address.
- C. The Hello packet with the highest sequence number.
- D. The existing DIS remains the DIS.
- E. The router with the highest interface MAC address.

Correct Answer: E

QUESTION 10

What is the primary purpose of variable length subnet masks (VLSM)?

- A. To reduce the size of each routing update.
- B. To allow interoperability between routing protocols.
- C. To allow different subnet masks for different subnets.
- D. To reduce the size of the routing table.

Correct Answer: C

QUESTION 11

What are the similarities between OSPF and IS-IS? Choose two.

- A. Metric is cost based
- B. Slow convergence
- C. Automatic summarization
- D. Support CIDR

Correct Answer: AD

QUESTION 12

What is the protocol number for OSPF in the IP header?

- A. OSPF uses TCP, so the protocol number is 6.
- B. OSPF uses UDP, so the protocol number is 17.
- C. OSPF does not use IP.

D. OSPF has its own protocol number of 89.

Correct Answer: D

QUESTION 13

An Alcatel-Lucent 7750 SR has a port with the MAC address of 00:03:FA:AC:77: AF. The port is bound to an interface. If IPv6 is then enabled on that interface .what will the link-local address be?

A. FE80::203:FAFF:FEAC:77AF/64

B. 2000::203:FAFFFEAC:77AF/64

C. FE80::3FAFF:FEAC:77AF/64

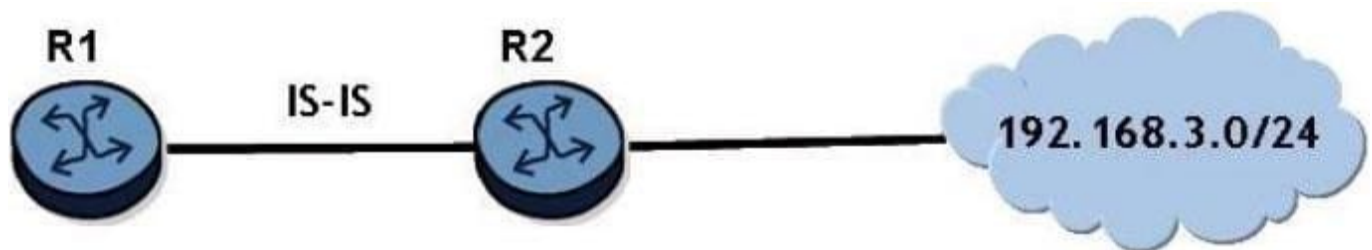
D. FC00::203:FAFF:FEAC:77AF/64

E. FC00::3:FAFF:FEAC:77AF/64

Correct Answer: A

QUESTION 14

Click on the exhibit.



Router R2 uses IS-IS to advertise the network 192.168.3.0/24 to R1. How can router R1 discard the route?

A. Use an import policy and a prefix list on router R2.

B. Use an export policy and a prefix list on router R1.

C. Use an import policy and a prefix list on router R1.

D. Router R1 cannot discard the route because IS-IS does not support import policies.

Correct Answer: D

QUESTION 15

Which of the following best describes the forwarding of a IPv6 packet that has a destination anycast address?

A. It is sent to all nodes on the local link.

- B. It is sent to all nodes on the local network.
- C. It is sent to all nodes that have joined the anycast group.
- D. It is sent to the nearest node that is assigned the anycast address
- E. It is sent to all nodes that are assigned the anycast address.

Correct Answer: D

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