

4A0-101^{Q&As}

Alcatel-Lucent Interior Routing Protocols and High Availability

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QUESTION 1

Which of the following best describes a unicast IPv6 address?

- A. Fixed total of 128 bits, where 64 bits are used for routing and 64 bits are used as an interface identifier.
- B. Fixed total of 128 bits, where 32 bits are used for the global prefix, 32 bits are used for the subnet and 64 bits are used as an interface identifier.
- C. Variable total length, where at least 48 bits are used for the global prefix, 48 bits are used for the subnet and 64 bits are used as an interface identifier.
- D. Variable total length, where at least 64 bits are used for routing and 64 bits are used as an interface identifier

Correct Answer: A

QUESTION 2

A default route for a client is also known as the:

- A. Default path
- B. Default gateway
- C. Gateway path
- D. Proxy ARP

Correct Answer: B

QUESTION 3

An Alcatel-Lucent 7750 SR is configured with an export policy to redistribute a loopback prefix into OSPFv3.

What type of LSA advertises the prefix to the other OSPFv3 routers in the same area?

- A. Router LSA
- B. AS External LSA
- C. Intra-Area Prefix LSA
- D. Inter-Area Prefix LSA
- E. Network LSA

Correct Answer: B

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

When IS-IS elects a DIS, what is used as the tie breaker on an Alcatel-Lucent 7750 SR, if the priorities are the same?

- A. The system ID.
- B. The loopback address.
- C. The sequence number of the Hello packet.
- D. The device that first initiated communication becomes the DIS
- E. The highest interface MAC address.

Correct Answer: E

QUESTION 6

What are the three databases maintained by a Link State Protocol?

- A. Neighbor, adjacency, route table
- B. Neighbor, topology, forwarding
- C. Topology, routing, forwarding
- D. There are only two databases: adjacency and topology

Correct Answer: B

QUESTION 7

When multiple routing protocols offer a route for the same prefix, what part of the router is in charge of deciding which route to make active?

- A. The routing information base (RIB).

- B. The routing table manager (RTM).
- C. The equal cost multipath configuration (ECMP).
- D. The forwarding information base (FIB).
- E. The link state database (LSDB).

Correct Answer: B

QUESTION 8

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 9

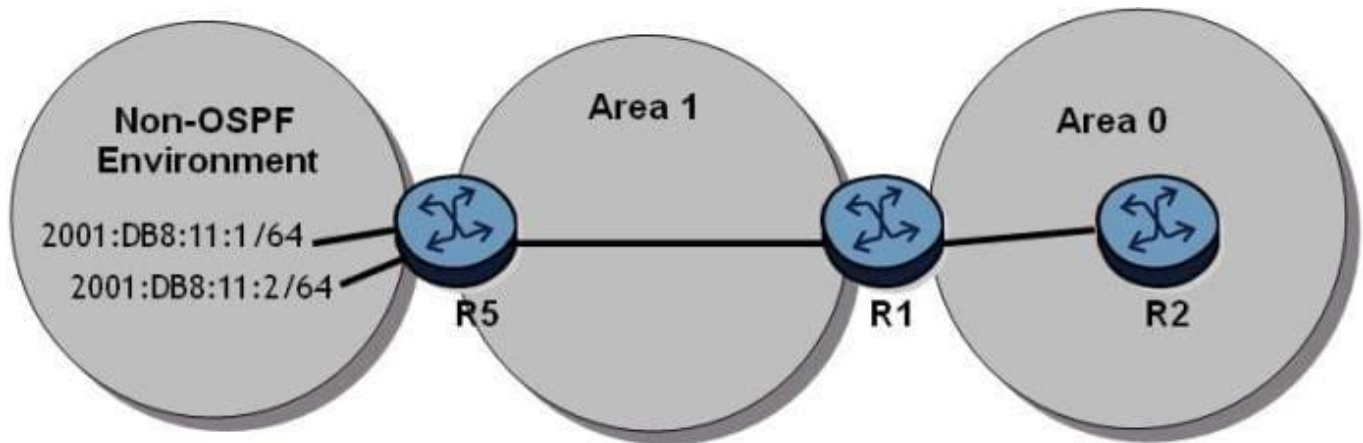
Which function or component of the Alcatel-Lucent 7750 SR is in charge of supporting dynamic routing protocols and constructing the routing table?

- A. IOM
- B. CPM
- C. FIB
- D. SPF

Correct Answer: B

QUESTION 10

Click on the exhibit.



The route table on router R2 shows the system address of router R5 but it does not show any of the interfaces from the non-OSPF area.

What may be causing this?

- A. `\nasbr\` is missing from router R1's configuration.
- B. Router R1 needs to have an export policy added to it.
- C. Router R5 does not have an export policy for these prefixes.
- D. Router R1 needs to have an import policy added to it.

Correct Answer: C

QUESTION 11

When a router performs the SPF calculation, which router is used as the root of the shortest path tree?

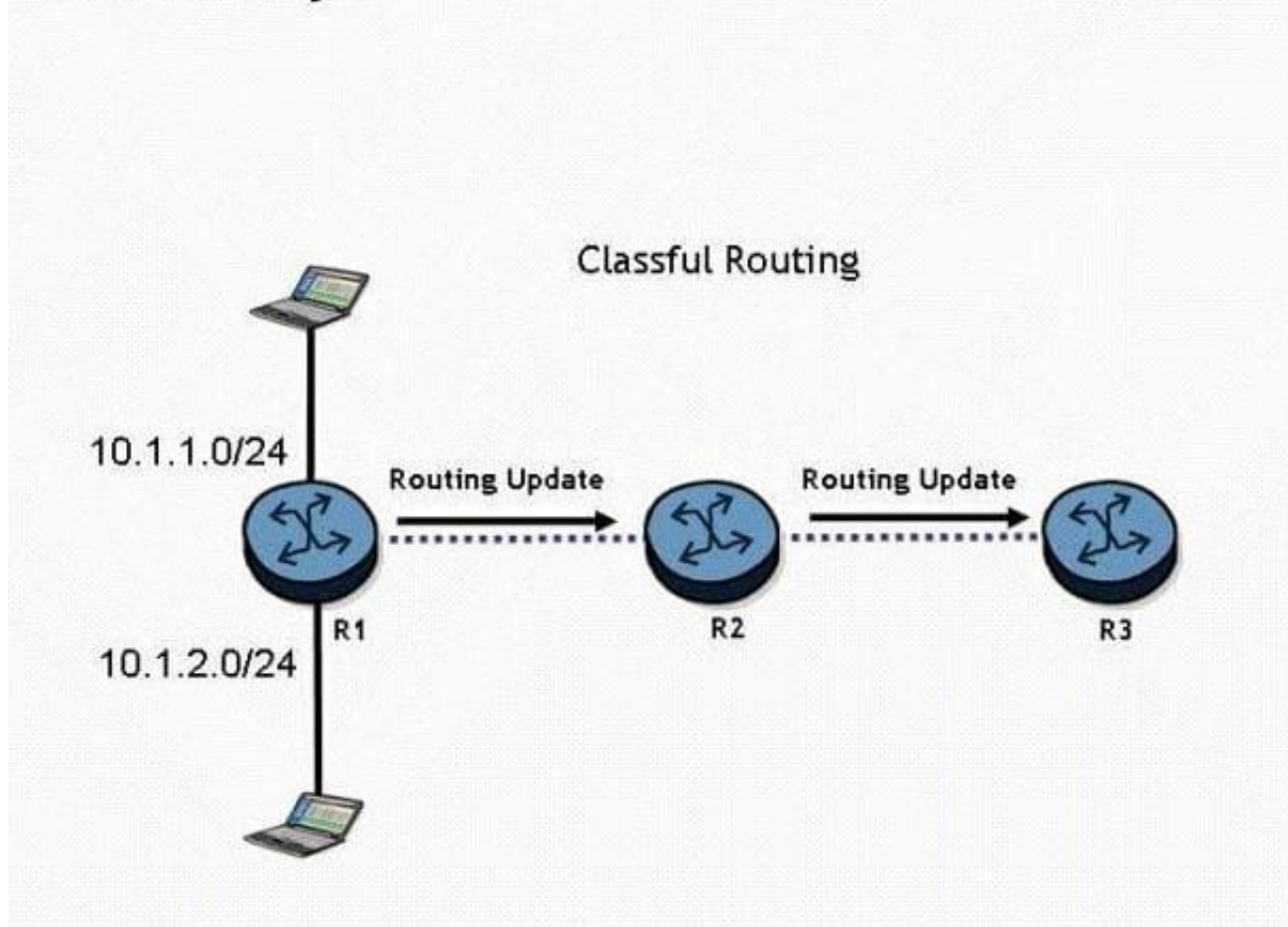
- A. The router with the least number of links.
- B. The router with the lowest router ID.
- C. The router's closest neighbor.
- D. The router doing the calculation.

Correct Answer: D

QUESTION 12

Click the exhibit button.

Exhibit 1.1.j



Routers R1, R2, and R3 are running a classful routing protocol between them. Assuming that router R1 advertises all directly connected networks, how will these networks be represented in router R3's routing table?

- A. Router R3's routing table can only contain one of the routes, which will result in route flapping.
- B. Router R3's routing table will have one entry for 10.1.1.0/24 and one entry for 10.1.2.0/24.
- C. The networks will be represented with one entry of 10.0.0.0/8 in router R3's routing table.
- D. The networks will be represented with one entry of 10.0.0.0/24 in router R3's routing table.

Correct Answer: C

QUESTION 13

Which OSPFv3 LSA type is similar in function to the OSPFv2 Type 4 LSA?

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

D. Inter-Area Router

Correct Answer: D

QUESTION 14

An OSPF ASBR must have at least one interface in the backbone area (area 0)

A. True

B. False

Correct Answer: B

QUESTION 15

What type of OSPF router generates a type 2 LSA?

A. Area Border Router

B. Autonomous System Boundary Router

C. Designated Router

D. All routers within an OSPF area.

Correct Answer: C

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