

4A0-101^{Q&As}

Alcatel-Lucent Interior Routing Protocols and High Availability

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QUESTION 1

The exhibit shows a route to 2001:DB8:1:200::/56 in the IPv6 route table. How did the route get into the route table?

```
*A:R1# show router route-table ipv6
=====
IPv6 Route Table (Router: Base)
=====
Dest Prefix                               Type   Proto   Age           Pref
  Next Hop[Interface Name]                Metric
-----
2001:DB8:1:100::1/128                     Local  Local   00h58m51s    0
  system                                   0
2001:DB8:1:200::/56                       Remote Static  00h00m20s    5
  FE80::225:BAFF:FE30:94E3-"toR2"         1
-----
No. of Routes: 2
=====
```

- A. Configure router ipv6 static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3
- B. Configure router ipv6 static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3-toR2
- C. Configure router static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3
- D. Configure router static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3- toR2
- E. The route was learned through a dynamic routing protocol.

Correct Answer: D

QUESTION 2

What command will show the OSPF neighbors, and their status on the Alcatel-Lucent 7750 SR?

- A. Show ospf neighbors
- B. Show router ospf neighbors
- C. Show router ospf adjacency
- D. Show ospf adjacency

Correct Answer: B

QUESTION 3

What is the primary purpose of classless interdomain routing (CIDR)?

- A. To support classful routing protocols.

- B. To allow IP routes to be defined using any number of bits for the network portion of the address.
- C. To allow interdomain routing between an IGP and EGP such as OSPF and BGP.
- D. To simplify the allocation of IP address space by defining a fixed size for the network portion of the address for each of the address classes.

Correct Answer: B

QUESTION 4

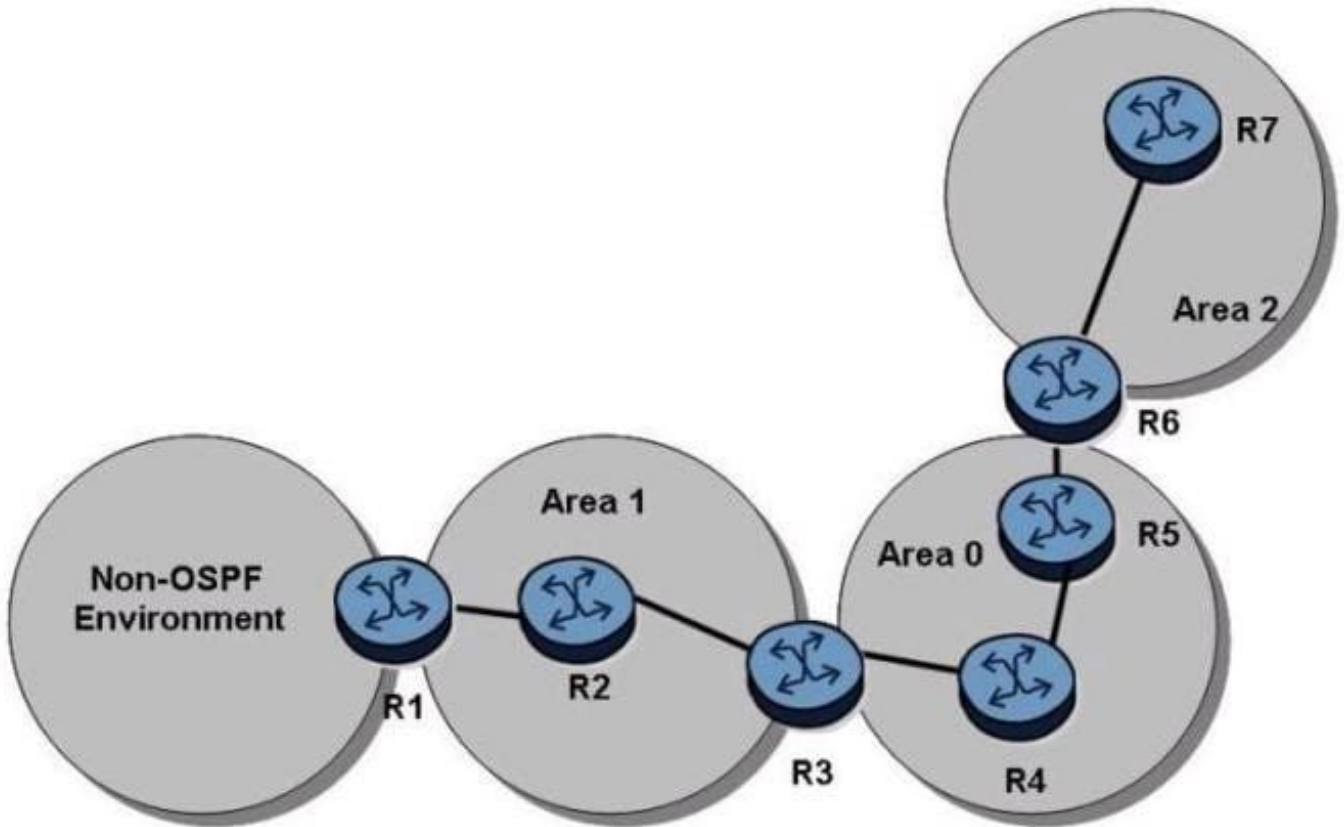
If OSPF is used in a multi-area OSPF network, which of the following statements regarding route summarization is true?

- A. Manual route summarization can only be done on autonomous system border routers.
- B. Manual route summarization must be done on all the backbone routers to be effective. Manual route summarization is optional on the routers in non-backbone areas.
- C. Manual route summarization is done on the ABRs. By default, automatic summarization is done; however, it may not be optimal for all networks.
- D. Manual route summarization is done on the ABRs. By default, no route summarization is done and all routes are advertised to all areas.

Correct Answer: D

QUESTION 5

Click the exhibit button.



In the topology shown, router R1 is an ASBR configured to export external routes to OSPF. Assuming that there are no stub networks, which of the following statements regarding Type 4 LSA generation is true?

- A. Router R1 generates a Type 4 LSA that is flooded to areas 0, 1, and 2.
- B. Router R3 generates a Type 4 LSA that is flooded to areas 0, 1, and 2.
- C. Router R3 generates a Type 4 LSA that is flooded to areas 0 and 2.
- D. Router R3 generates a Type 4 LSA that is flooded to area 0, and router R6 generates a Type 4 LSA that is flooded to area 2.

Correct Answer: D

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