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Alcatel-Lucent Border Gateway Protocol

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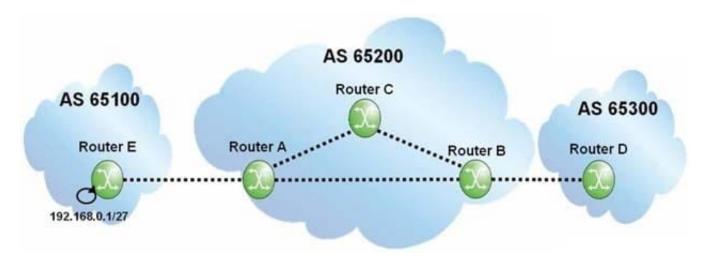Following Questions and Answers are all new published by Alcatel-Lucent Official Exam Center

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QUESTION 1

Click the exhibit.

When router A receives the BGP update for the 192.168.0.1/27 prefix, it propagates it to routers B and C. What action is taken by router B when it receives the update?

A. Router B propagates the BGP update to routers D and C.

B. Router B propagates the BGP update to router D.

C. Router B detects duplicates in its BGP database and discards the update.
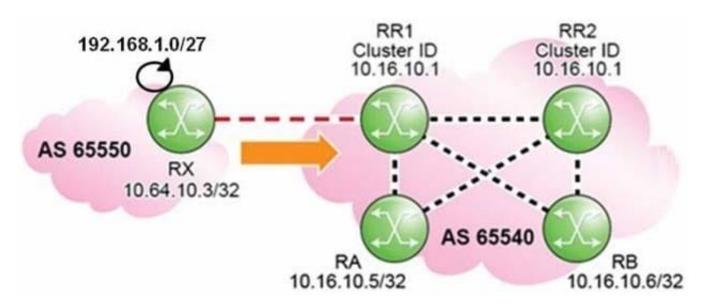
D. Router B propagates the update to routers A, C and D.

Correct Answer: B

QUESTION 2

Click the exhibit.
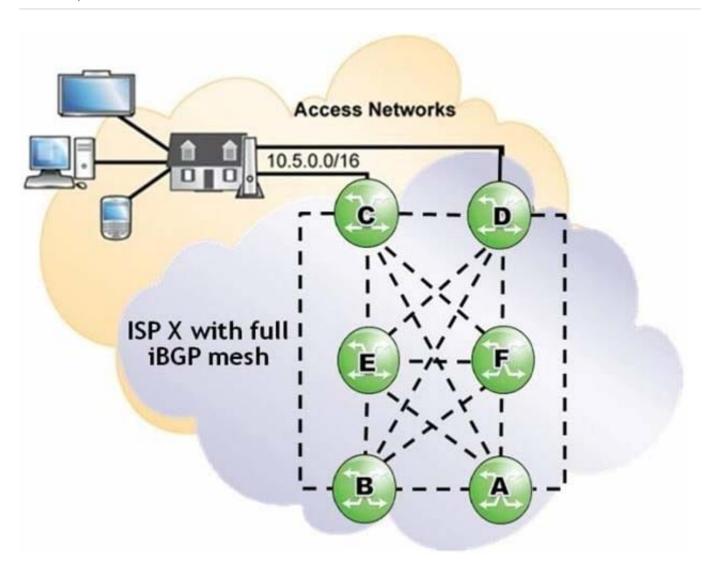
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Routers RR1 and RR2 are route reflectors with the same Cluster-ID. When the update for prefix 192.168.1.0/27 is received at router RA2, what are the Originator_ID and Cluster_List attributes?

A. Originator_ID of RR1; and Cluster_List of 10.16.10.1.

B. Originator_ID of RX; and Cluster_List of 10.16.10.1.

C. Originator_ID of RR1; and the Cluster_List is not set.

D. Neither the Originator_ID nor the Cluster_List is set.

Correct Answer: D

QUESTION 3

Click the exhibit.

Considering that both routers C and D are advertising the eBGP learned prefix 10.5.0.0/16 into ISP X, which of the following best describes the route advertisement within ISP X?

A. Router C sends the update to routers E and F only.

B. Router C sends the update to routers D, E and F.

C. Router C sends the update to routers A, B, E and F.

D. Router C sends the update to routers A, B, D, E and F.

Correct Answer: D

QUESTION 4

Which of the following statements regarding BGP FRR is FALSE?

A. The router must receive several BGP routes to compute a backup path.
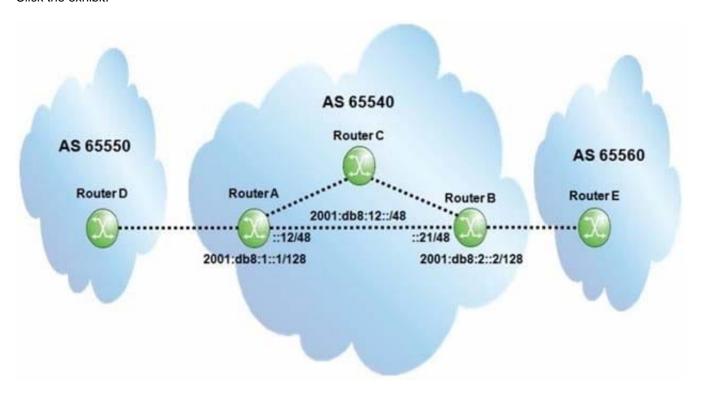
B. BGP FRR can be triggered by BFD.

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C. The backup path can use the same next hop as the primary path.

D. BGP peer-tracking can be used to improve BGP FRR failure detection times.

Correct Answer: C

QUESTION 5

Click the exhibit.

Assuming the network is IPv6 only, which of the following configurations on the Alcatel- Lucent 7750 SR router A can establish an IPv6 BGP session to router B?

A. router-id 10.10.10.1
   group "IPv6_iBGP"
       family ipv6
       peer-as 65540
       neighbor 2001:DB8:2::2
       exit
   exit

B. group "IPv6_iBGP"
       family ipv6
       type internal
       peer-as 65540
       neighbor 2001:DB8:2::2
       exit
   exit

C. group "IPv6_iBGP"
       family ipv6
       type internal
       peer-as 65540
       neighbor 2001:DB8:12::21
       exit
   exit

D. group "IPv6_iBGP"
       family ipv6
       type internal
       neighbor 2001:DB8:2::2
       exit
   exit

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A