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Alcatel-Lucent Border Gateway Protocol

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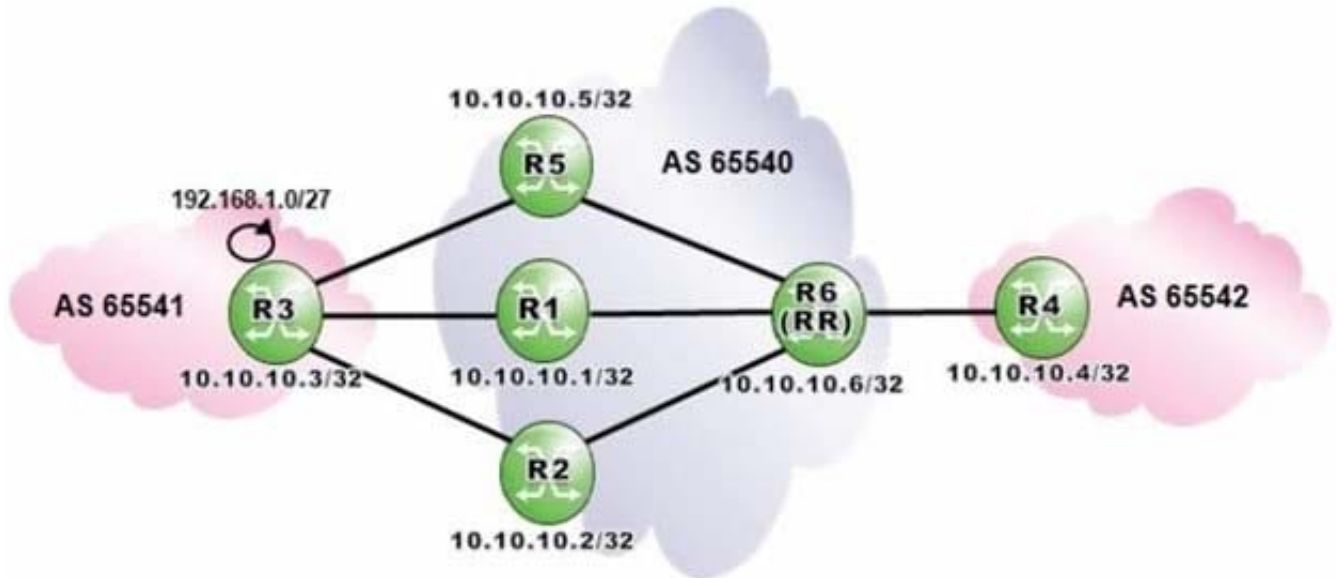Following Questions and Answers are all new published by Alcatel-Lucent Official Exam Center
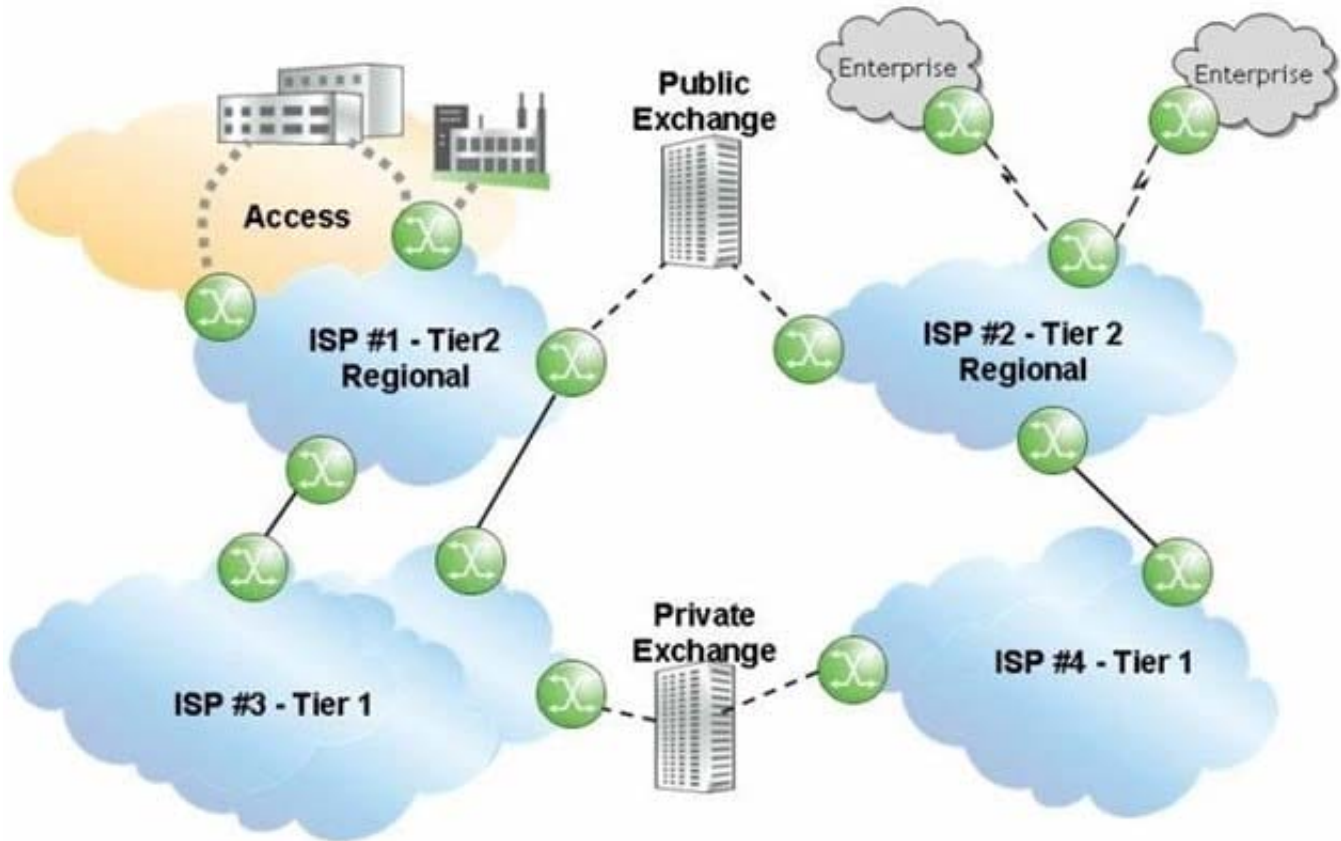
QUESTION 1

Click the exhibit.

Router R6 is a route reflector with clients R1, R2 and R5. Router R3 advertises the prefix 192.168.1.0/27 to routers R1, R2 and R5. How many routes for prefix 192.168.1.0/27 will router R6 receive?

A. 1

B. 2

C. 3

D. None

Correct Answer: C

QUESTION 2

Click the exhibit.

Which of the following about the relationship between ISP 1 and ISP 3 is TRUE?

A. ISP 1 is downstream from ISP 3 and is expected to push more traffic toward ISP 3 than it pulls from it.

B. ISP 3 is downstream from ISP 1 and is expected to push more traffic toward ISP 1 than it pulls from it.

C. ISP 1 is downstream from ISP 3 and is expected to pull more traffic from ISP 3 than it pushes toward it.

D. ISP 3 is downstream from ISP1 and is expected to pull more traffic from ISP 1 than it pushes toward it.

Correct Answer: C

QUESTION 3

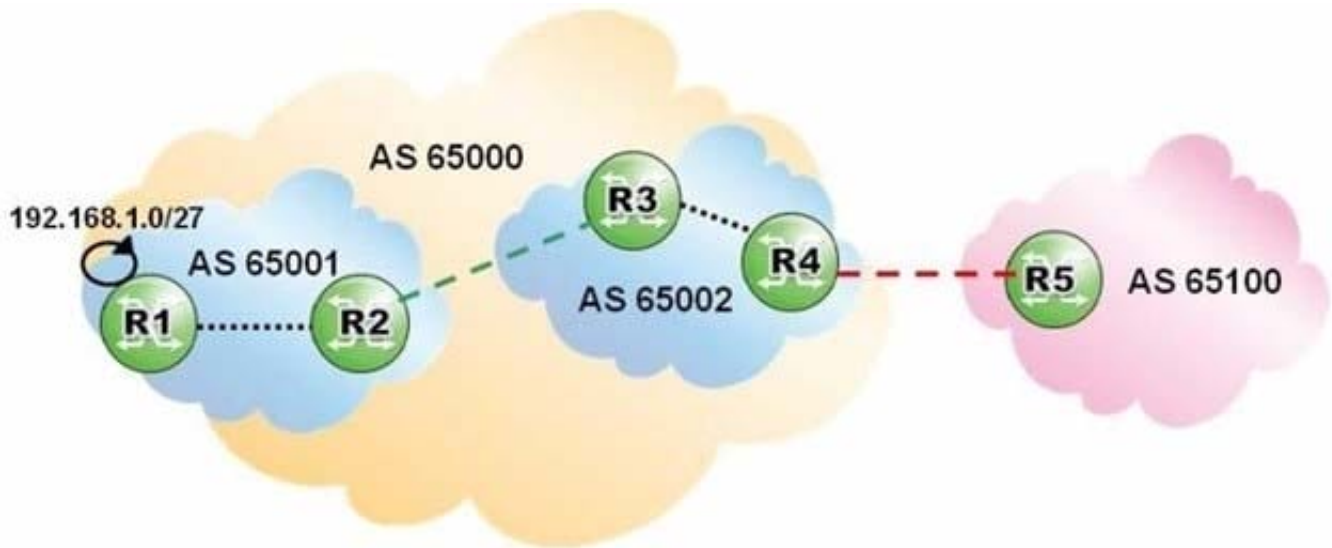Which of the following is NOT a goal of BGP routing policies?

A. To protect external networks from instability.

B. To communicate the architecture of an AS to external ASs.

C. To protect the local AS and other external ASs from bad NLRI.

D. To optimize ingress and egress traffic patterns to best serve the users of the AS.
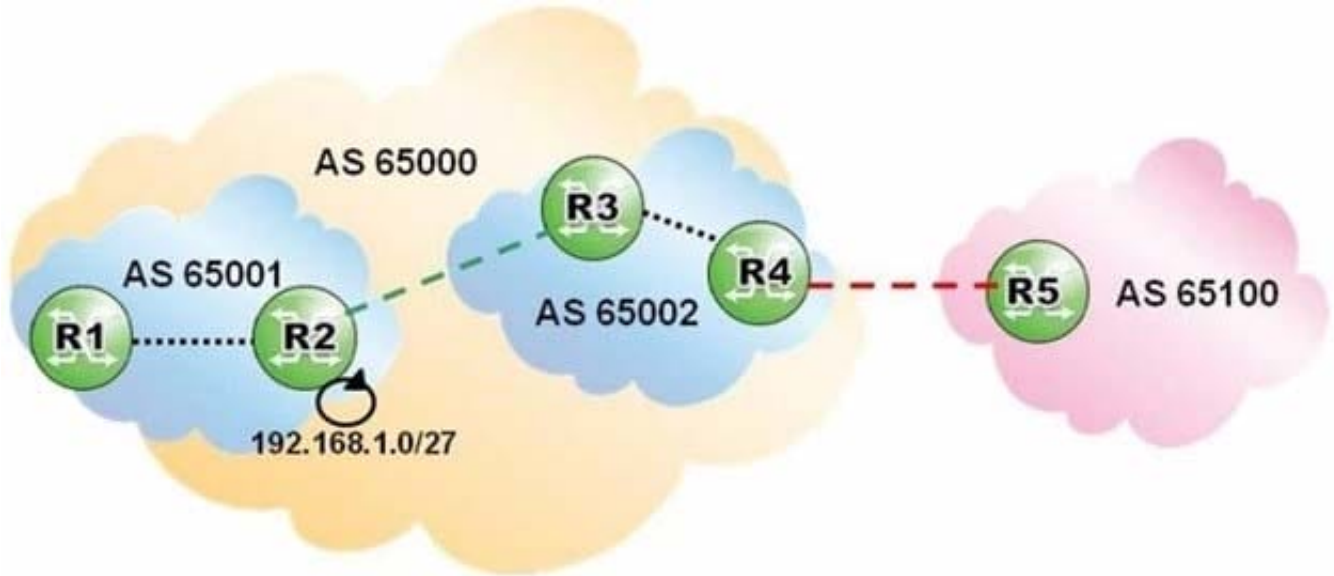
Correct Answer: B

QUESTION 4

Click the exhibit.

Router R1 is advertising prefix 192.168.1.0/27 with community "no-export. Which routers will receive an update for that prefix?

A. Router R2 only.

B. Routers R2 and R3 only.

C. Routers R2, R3 and R4 only.

D. Routers R2, R3, R4and R5.

Correct Answer: D

QUESTION 5

Click the exhibit.

Router R2 is advertising prefix 192.168.1.0/27 with community "no-advertise" towards AS 65002. Which routers receive an update for that prefix?

A. Router R3 only.

B. Routers R3 and R4 only.

C. Routers R3, R4 and R5 only.

D. Router R2 does not advertise an update for the prefix.

Correct Answer: A

QUESTION 6

Why is a full mesh of iBGP peers required?

A. To ensure proper route propagation inside a transit AS.

B. To ensure that all routers are directly connected.

C. To ensure that all routers run iBGP inside a transit AS.

D. To maximize control plane scalability.

Correct Answer: A

QUESTION 7

Which of the following regarding BGP authentication on the Alcatel-Lucent 7750 SR is FALSE?

A. Authentication is performed before establishing the BGP session.

B. Authentication can only be configuredon the group or neighbor level.

C. By default, MD5 authentication is disabled.

D. Peer authentication may be optionally requested in an open message.

Correct Answer: B

QUESTION 8

Upon the successful establishment of a TCP session between peers, what type of BGP message is exchanged?

A. OpenSent

B. Keepalive

C. Open

D. Notification

E. Update

Correct Answer: C

QUESTION 9

Which of the following organizations would an ISP based in Europe approach for an IP prefix assignment?

A. ARIN

B. ICANN

C. RIPE NCC

D. LACNIC

E. APNIC

Correct Answer: C

QUESTION 10

Which regular expression will match the AS Path of a route originating in remote AS 65100?
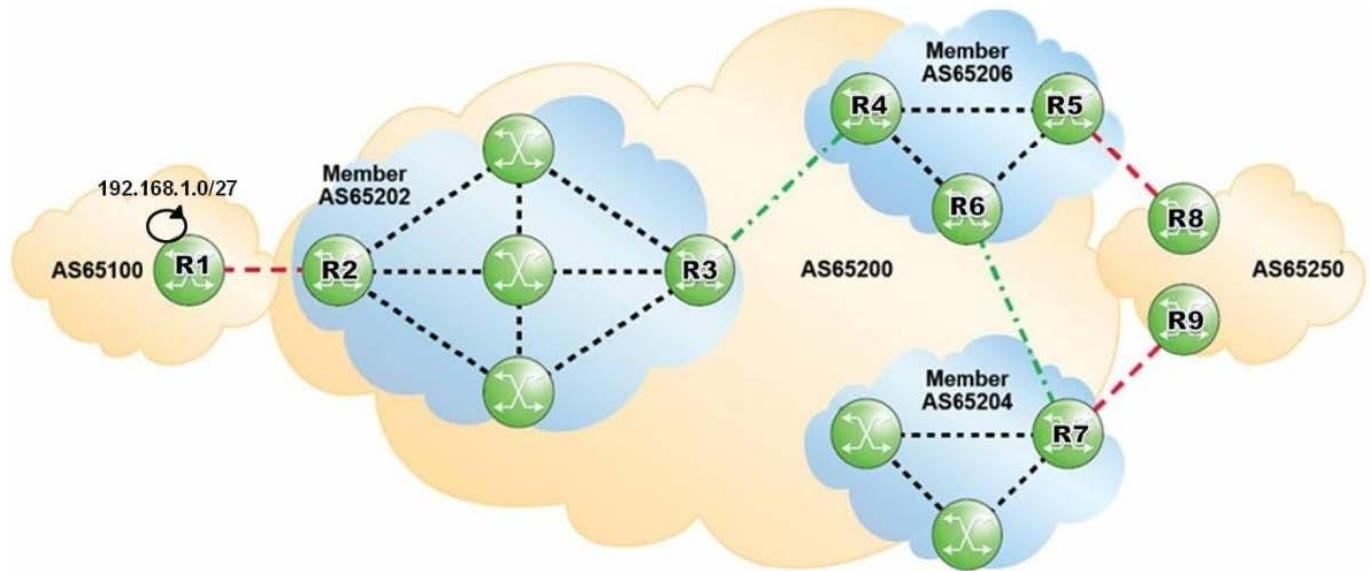
A. ".+ 65100"

B. "65100.+"

C. ".* 65100.*"

D. "65100"

Correct Answer: A

QUESTION 11

Click the exhibit.

Which of the following statements best describes the BGP sessions within the given network?

A. The session between AS 65202 and AS 65206 is an iBGP session.

B. The session between AS 65204 and AS 65206 is an intra-confederation eBGP session.

C. A BGP session is required between AS 65202 and AS 65204.

D. The BGP sessions within the member ASs are known as inter-confederation BGP sessions.

Correct Answer: B

QUESTION 12

Which of the following is NOT a BGP message type?

A. Route-Refresh

B. OpenSent

C. Notification

D. Update

E. Keepalive

Correct Answer: B

QUESTION 13

Which of the following regarding BGP confederations is FALSE?

A. A confederation is a collection of Autonomous Systems advertised as a single AS number to BGP speakers outside the confederation.

B. Each member AS must either maintain a full mesh of iBGP sessions, or use route reflection.

C. Confederations can be used to subdivide ASs that have a large number of BGP speakers into smaller domains.

D. A full mesh of intra-confederation eBGP sessions is required between the member ASs.
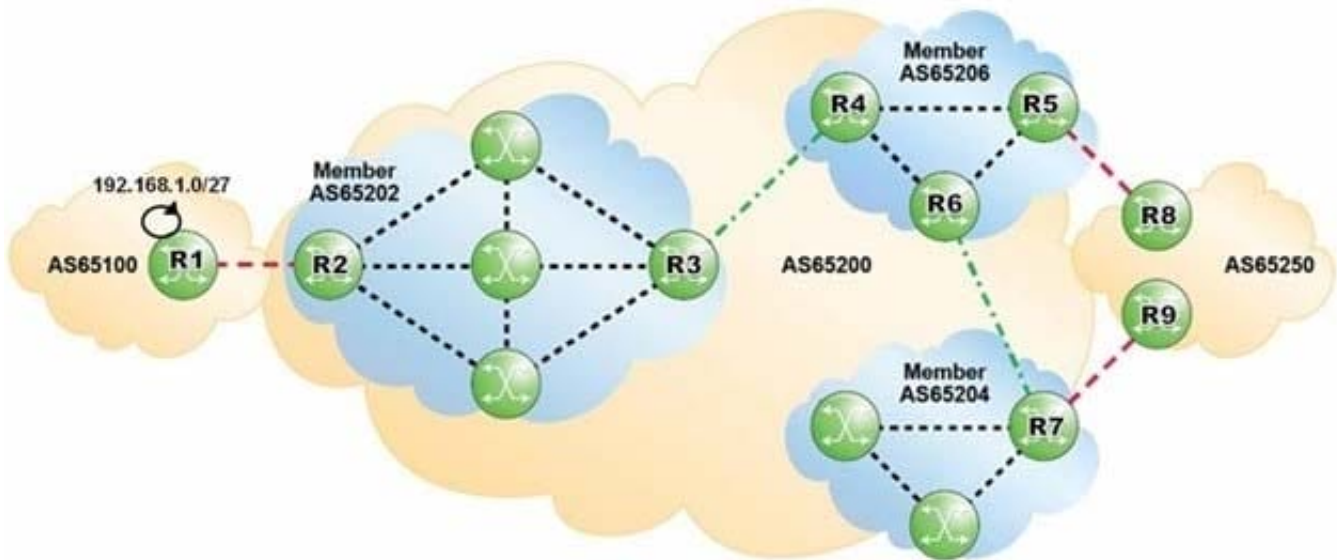
Correct Answer: D

QUESTION 14

Which of the following routes is NOT considered an internal route?

A. A route received from a BGP peer within the same AS.

B. A route originated by a router in a different cluster of the same AS.

C. A route received from a BGP peer from a different member AS of a confederation.

D. A route received from a BGP peer from the same member AS of a confederation.

Correct Answer: C

QUESTION 15

Click the exhibit.

AS 65100 is advertising 192.168.1.0/27 into BGP. Which of the following AS Paths would the prefix 192.168.1.0/27 contain when viewed on router R7?

A. 65206 65202 65100

B. (65206 65202)65100

C. (65204 65206 65202) 65100

D. (65200) 65100

Correct Answer: B