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**Vendor:**Alcatel-Lucent

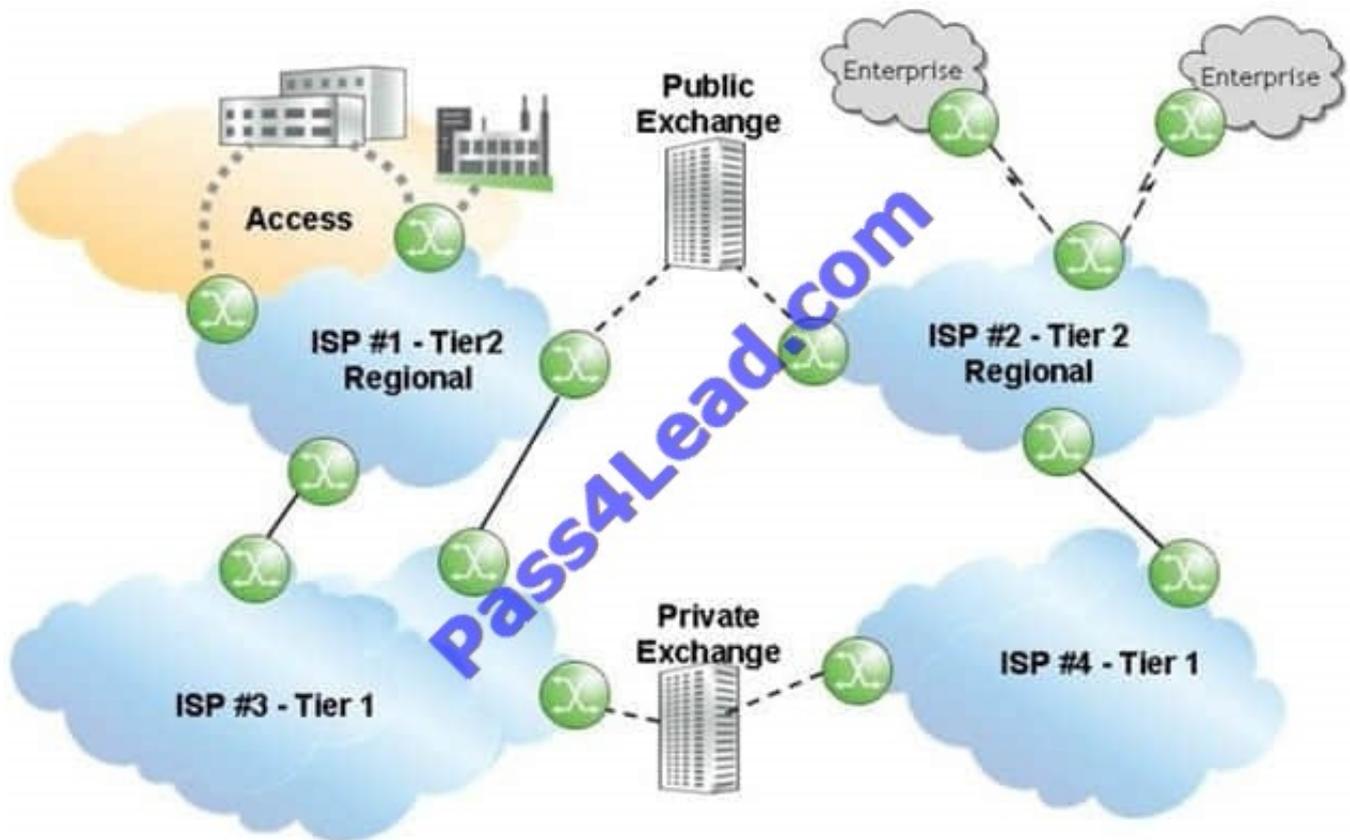
**Exam Code:**4A0-102

**Exam Name:**Alcatel-Lucent Border Gateway Protocol

**Version:**Demo

### QUESTION 1

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 2

A BGP session is in OpenConfirm state. Which of the following messages must be received to transition to Established state?

- A. Update
- B. Open

C. Notification

D. Keepalive

Correct Answer: D

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### QUESTION 3

Assuming that "client1" and "client2" are directly-connected networks, what is the result of executing the following BGP export policy?

```
entry 10
  from
    protocol direct
  exit
  action accept
    community add "North"
  exit
exit
entry 20
  from
    prefix-list "client1"
  exit
  action accept
    community add "West"
  exit
exit
entry 30
  from
    prefix-list "client2"
  exit
  action accept
    community add "East"
  exit
exit
default-action reject
```

A. Only entry 10 is executed for "client1" and "client2".

B. Entries 10 and 20 are executed for "client1", and entries 10 and 30 are executed for "client2".

C. Entries 10 and 20 are executed for "client1", and entries 10, 20 and 30 are executed for "client2".

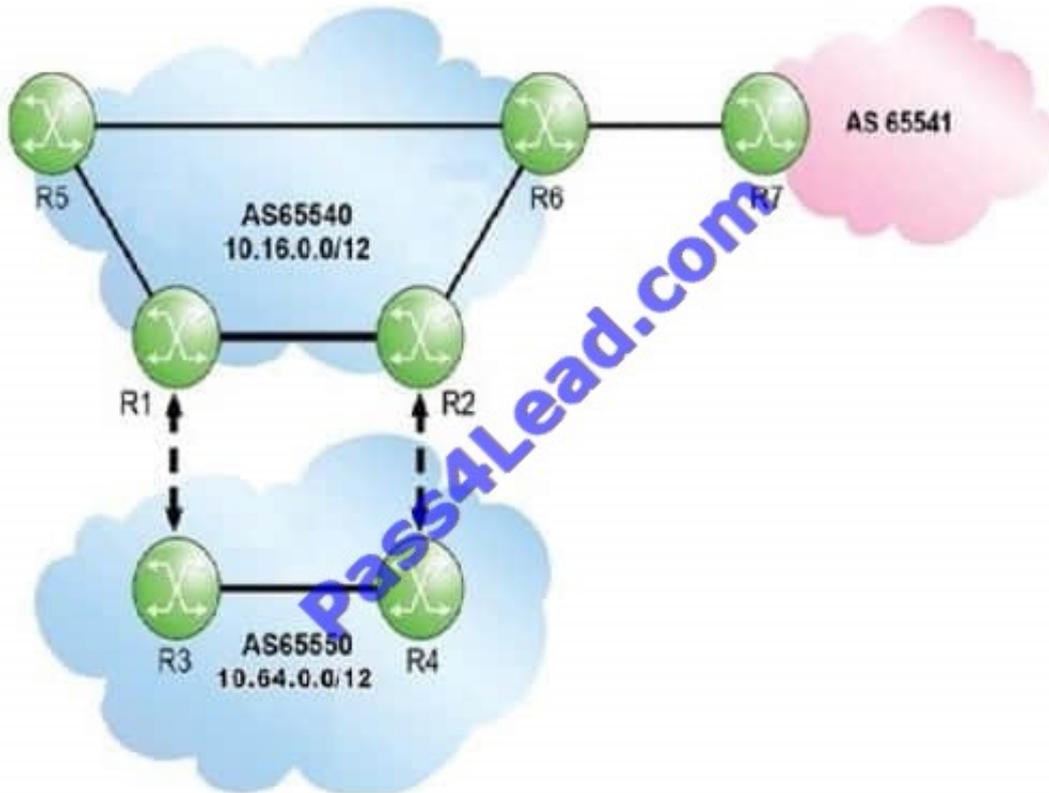
D. Entry 10 is executed for directly-connected routes, entry 20 for "client1" and entry 30 for "client2".

Correct Answer: A

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#### QUESTION 4

Click the exhibit.



AS 65550 owns CIDR block 10.64.0.0/12. Router R6 advertises the aggregate 10.64.0.0/12 to AS 65541 with "as-set" enabled. Which of the following is TRUE regarding the aggregate route received by router R7?

- A. The AS Path is set to 65540, and the Atomic Aggregate flag is set.
- B. The AS Path is set to 65540 65550, and the Atomic Aggregate flag is set.
- C. The AS Path is set to 65540 65550, and the Atomic Aggregate flag is not set.
- D. The AS Path is set to 65550, and the Atomic Aggregate flag is not set.

Correct Answer: C

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#### QUESTION 5

Which of the following parameters does NOT have to match for an iBGP session to be successfully established?

- A. BGP version number.
- B. The local AS number.

- C. The Hold Time.
- D. Authentication.

Correct Answer: C

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### QUESTION 6

The user of an Alcatel-Lucent 7750 SR wants to see the effect of changing an import policy immediately. What is the best command to force re-evaluation of the import policy with minimal impact?

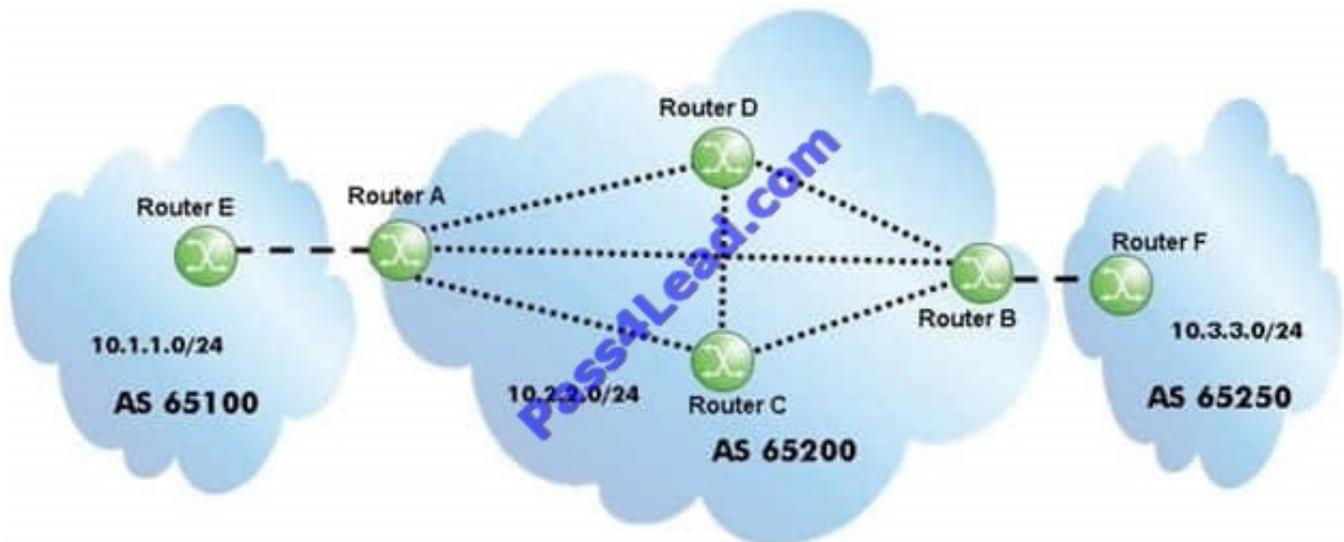
- A. Configure router bgp shutdown
- B. Clear router bgp neighbor soft
- C. Clear router bgp neighbor soft-inbound
- D. Clear router bgp protocol

Correct Answer: C

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### QUESTION 7

Click the exhibit.



After router A receives the BGP update for the 10.3.3.0/24 prefix, which routers will the route be propagated to?

- A. All routers with which it has a BGP session.
- B. All routers with which it has a BGP session, except the router it received the update from, which is router B.
- C. All routers with which it has a BGP session, except the router it received the update from, which is router C.
- D. All routers with which it has a BGP session, except the router it received the update from, which is router D.

E. Only eBGP neighbors.

Correct Answer: E

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### QUESTION 8

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

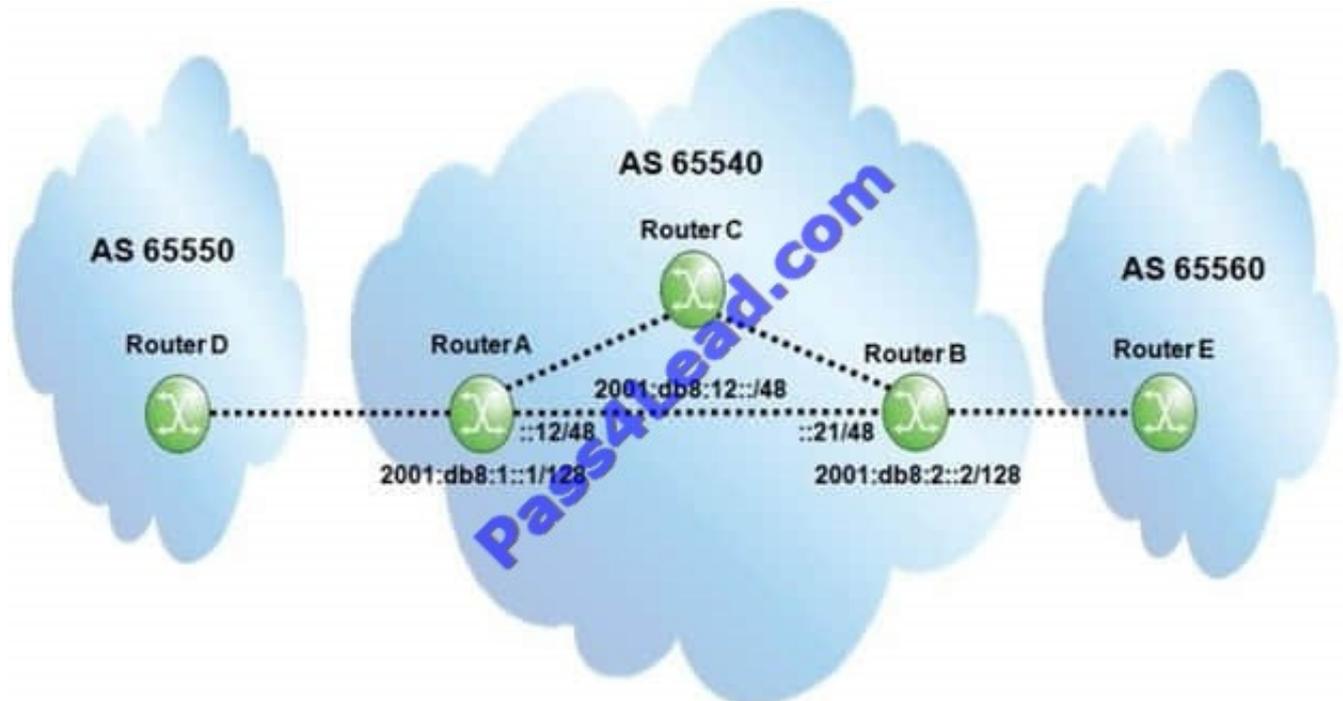
- A. OpenSent
- B. Keepalive
- C. Open
- D. Notification
- E. Update

Correct Answer: C

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### QUESTION 9

Click the exhibit.



Assume all router-IDs are properly configured, and global IPv6 addresses are used to establish eBGP sessions. Which of the following configurations is required on router A so that router B can exchange traffic with router D?

- A. group "IPv6\_iBGP"  
family ipv6  
next-hop-self  
peer-as 65540  
neighbor 2001:DB8:2::2  
exit  
exit
- B. group "IPv6\_iBGP"  
next-hop-self  
type internal  
peer-as 65540  
neighbor 2001:DB8:2::2  
exit  
exit
- C. group "IPv6\_iBGP"  
family ipv6  
peer-as 65540  
neighbor 2001:DB8:2::2  
exit  
exit
- D. group "IPv6\_iBGP"  
family ipv6  
next-hop-self  
type internal  
neighbor 2001:DB8:2::2  
exit  
exit

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

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#### QUESTION 10

Assuming that "client1" and "client2" are directly-connected networks, what is the result of executing the following BGP policy?

```
entry 10
  from
    protocol direct
  exit
  action accept
    community add "West"
  exit
exit
entry 20
  from
    prefix-list "client1"
  exit
  action accept
    community add "North"
  exit
exit
entry 30
  from
    prefix-list "client2"
  exit
  action accept
    community add "South"
  exit
exit
default-action reject
```

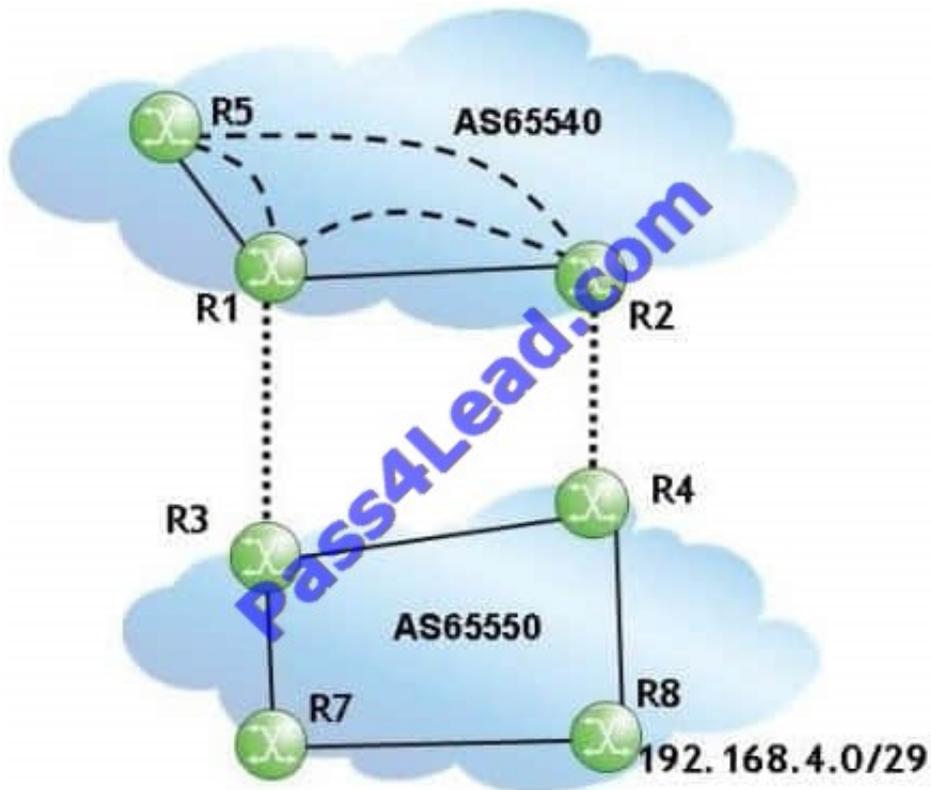
- A. "client2" routes will be tagged with communities "West" and "North".
- B. "client2" routes will be tagged with communities "West", "North" and "South".
- C. "client2" routes will be tagged with community "West".
- D. "client2" routes will be tagged with community "South".

Correct Answer: C

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#### QUESTION 11

Click the exhibit.



Router R2 receives a route to 192.168.4.0/29 from router R4 and sets the local preference to 110.

Router R1 receives the route to 192.168.4.0/29 from router R3, and sets the local preference to 80. There is a full iBGP mesh in AS 65540, but router R5 only has a physical connection to router R1.

Which path does traffic destined to 192.168.4.0/29 take from router R5?

- A. R5-R2-R4-R8
- B. R5-R1-R3-R4-R8
- C. R5-R1-R2-R4-R8
- D. R5-R1-R3-R7-R8

Correct Answer: C

## QUESTION 12

The following policies are configured and exported using "export "Policy-1" "Policy-2"". Assuming both "Client-1" and "Client-2" are properly defined on the router, which routes are advertised?

```
prefix-list "Client-1"  
  prefix 192.168.1.0/29 exact  
exit  
prefix-list "Client-2"  
  prefix 192.168.2.0/29 exact  
exit  
policy-statement "Policy-1"  
  entry 10  
    from  
      prefix-list "Client-1"  
    exit  
    action accept  
  exit  
exit  
default-action accept  
exit  
policy-statement "Policy-2"  
  entry 10  
    from  
      prefix-list "Client-2"  
    exit  
    action accept  
  exit  
exit  
default-action reject  
exit
```

- A. Client-1 routes only.
- B. Client-2 routes only.
- C. Client-1 and Client-2 routes.
- D. Neither Client-1 nor Client-2 routes.

Correct Answer: C

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