# Q&A

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**Alcatel-Lucent**

# 4A0-102

*Alcatel-Lucent Border Gateway Protocol*

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**QUESTION:** 141

Which of the following is NOT considered an option of import policies?

A. Preventing unwanted NLRI from entering the AS.
B. Filtering NLRI based on AS Path or prefix-lists,
C. Modifying the local preference of route advertisements.
D. Setting MED values of route advertisements.

**Answer:** D

**QUESTION:** 142

Click the exhibit.
AS 65540 routers are iBGP fully-meshed. Prefixes advertised by router R2 have a local preferenceof 200. Router R1 advertises the prefix 192.168.1.0/27 to routers R2 and R3. Assuming that routerR3 is configured with "advertise-external", what is the expected output of "show router bgp routes"when executed on router R4?

A. 

| Flag | Network | | LocalPref | MED |
|------|---------|--|-----------|-----|
| | Nexthop | | Path-Id | VPNLabel |
| | As-Path | | | |
| u*>i | 192.168.1.0/27 | | 100 | None |
| | 10.10.10.3 | | None | - |
| | 65541 | | | |
| i | 192.168.1.0/27 | | 200 | None |
| | 10.10.10.2 | | None | - |
| | 65541 | | | |

B.

| Flag | Network | | LocalPref | MED |
|------|---------|--|-----------|-----|
| | Nexthop | | Path-Id | VPNLabel |
| | As-Path | | | |
| u*>i | 192.168.1.0/27 | | 200 | None |
| | 10.10.10.2 | | None | - |
| | 65541 | | | |

C.

| Flag | Network | | LocalPref | MED |
|------|---------|--|-----------|-----|
| | Nexthop | | Path-Id | VPNLabel |
| | As-Path | | | |
| u*>i | 192.168.1.0/27 | | 200 | None |
| | 10.10.10.2 | | None | - |
| | 65541 | | | |
| i | 192.168.1.0/27 | | 100 | None |
| | 10.10.10.3 | | None | - |
| | 65541 | | | |

D.

| Flag | Network | | LocalPref | MED |
|------|---------|--|-----------|-----|
| | Nexthop | | Path-Id | VPNLabel |
| | As-Path | | | |
| u*>i | 192.168.1.0/27 | | 200 | None |
| | 10.1.2.3 | | None | - |
| | 65541 | | | |
| i | 192.168.1.0/27 | | 200 | None |
| | 10.10.10.2 | | None | - |
| | 65541 | | | |
| i | 192.168.1.0/27 | | 100 | None |
| | 10.10.10.3 | | None | - |
| | 65541 | | | |

A. Option A
B. Option B
C. Option C
D. Option D

**Answer:** C

**QUESTION:** 143
Click the exhibit.
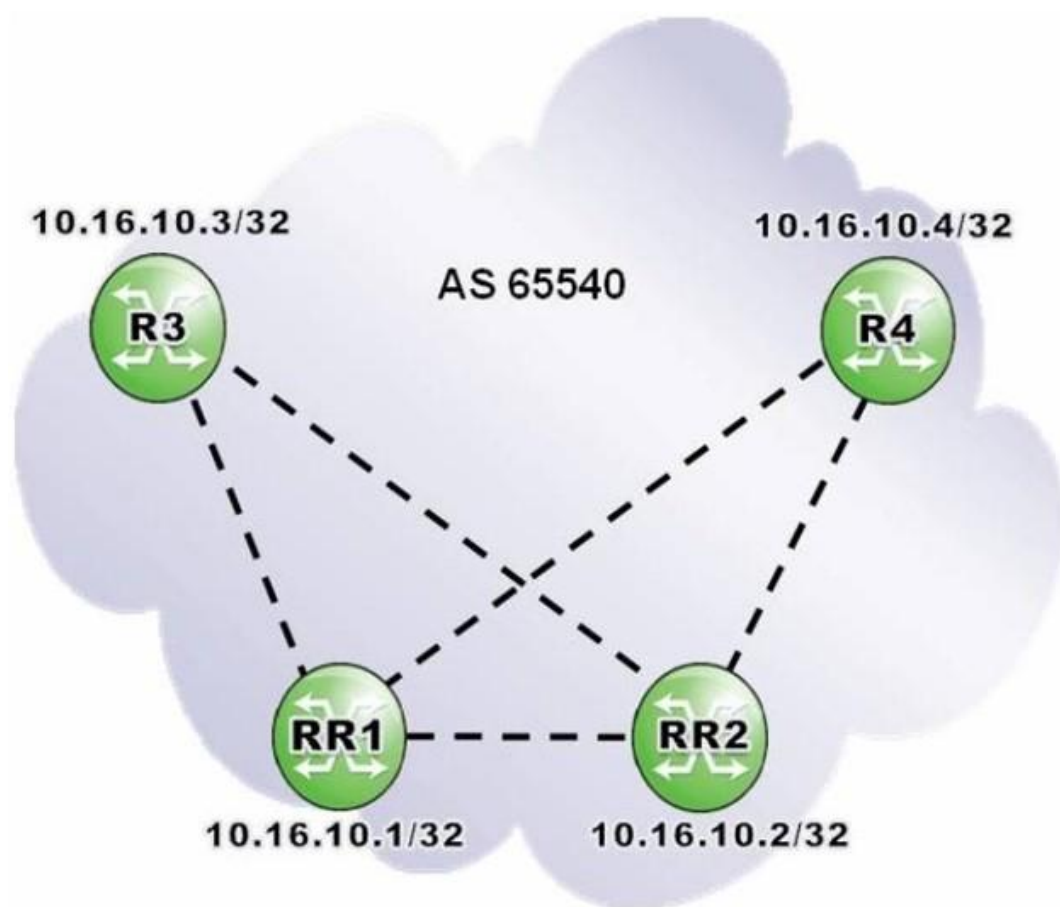


Routers RR1 are RR2 are redundant route reflectors for clients R3 and R4. Which of the followingis a valid configuration on router RR1?

A.    RR1>config>router>bgp# info

-------------------------------------------------

        group "AS 65540 iBGP"

           cluster 10.16.10.1

           peer-as 65540

           neighbor 10.16.10.2

           exit

           neighbor 10.16.10.3

           exit

           neighbor 10.16.10.4

           exit

B.    RR1>config>router>bgp# info

-------------------------------------------------

        group "AS 65540 iBGP"

           peer-as 65540

           neighbor 10.16.10.2

             cluster 10.16.10.2

           exit

           neighbor 10.16.10.3

             cluster 10.16.10.1

           exit

           neighbor 10.16.10.4

             cluster 10.16.10.1

           exit

        exit

C.    RR1>config>router>bgp# info

-------------------------------------------------

        group "AS 65540 iBGP"

           peer-as 65540

           neighbor 10.16.10.2

           exit

           neighbor 10.16.10.3

             cluster 10.16.10.1

           exit

           neighbor 10.16.10.4

             cluster 10.16.10.1

           exit

        exit

D.    RR1>config>router>bgp# info

-------------------------------------------------

        group "AS 65540 iBGP"

           peer-as 65540

           neighbor 10.16.10.3

             cluster 10.16.10.1

           exit

           neighbor 10.16.10.4

             cluster 10.16.10.1

           exit

        exit

A. Option A
B. Option B
C. Option C
D. Option D

**Answer:** C

**QUESTION:** 144
Which of the following statements regarding the Originator_ID attribute is TRUE?

A. The BGP router that originates an update sets the Originator_ID.
B. The Originator_IDis set to the ClusterJD of the advertising router reflector.
C. Both confederation and route reflector topologies use the Originator_ID.
D. A BGP router ignores an update that contains its own BGP router ID as Originator_ID.
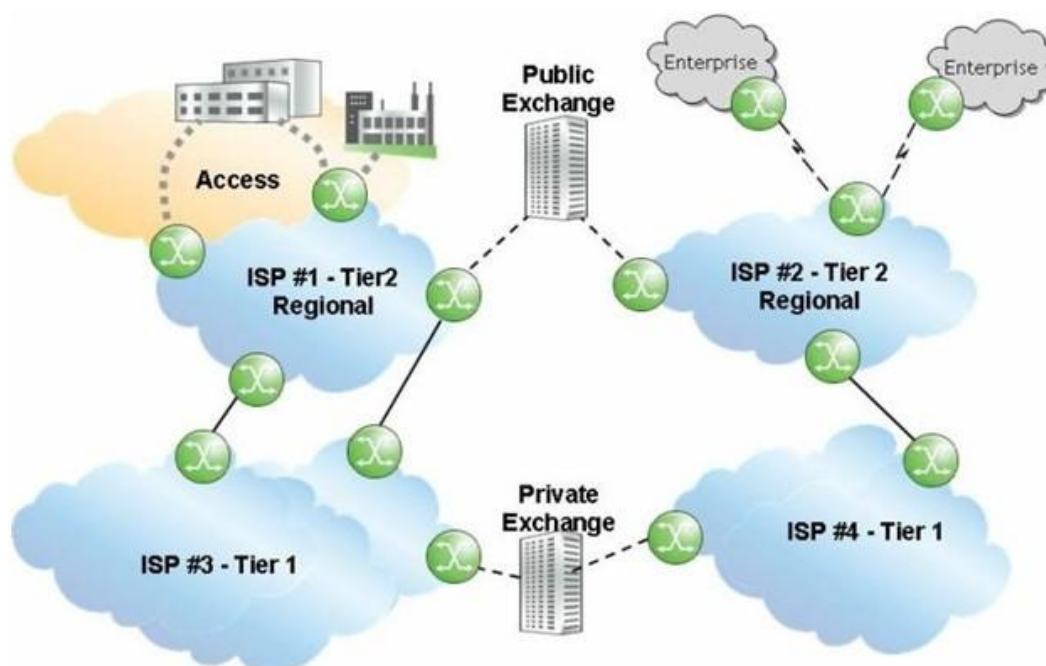

**Answer:** D


**QUESTION:** 145
Which of the following prefix lists include prefixes 192.168.128.0/17 and 192.168.64.0/18?


A. Prefix list 192.168.0.0/16 through 18.
B. Prefix 192.168.0.0/17 longer.
C. Prefix list 192.168.0.0/17 through 18.
D. Prefix 192.160.0.0/13 longer.


**Answer:** A


**QUESTION:** 146
Click the exhibit.



Given that ISP 1 and ISP 2 are Tier 2 providers, and that ISP 3 and ISP 4 are Tier 1 providers,what is the most likely relationship between ISP 1 and the other ISPs?

A. ISP 1 has a peering relationship with ISP 2 and ISP 4.
B. ISP 1 has a peering relationship with ISP 2 and a transit relationship with ISP 3.
C. ISP 1 has a peering relationship with ISP 2 and ISP 3.
D. ISP 1 has a transit relationship with ISP 2 and ISP 4.
E. ISP 1 has a transit relationship with ISP 2 and a peering relationship with ISP 3.


**Answer:** B


**QUESTION:** 147
Which of the following is TRUE if the local state of BGP is OpenConfirm?


A. The local system has received a Keepalive message and is ready to exchange updates.
B. The local system is exchanging Update messages with its neighbor.
C. The local system has sent a Keepalive message to its neighbor and is waiting to receive oneback.
D. The local system has sent an Open message to its neighbor and is waiting to receive one back.
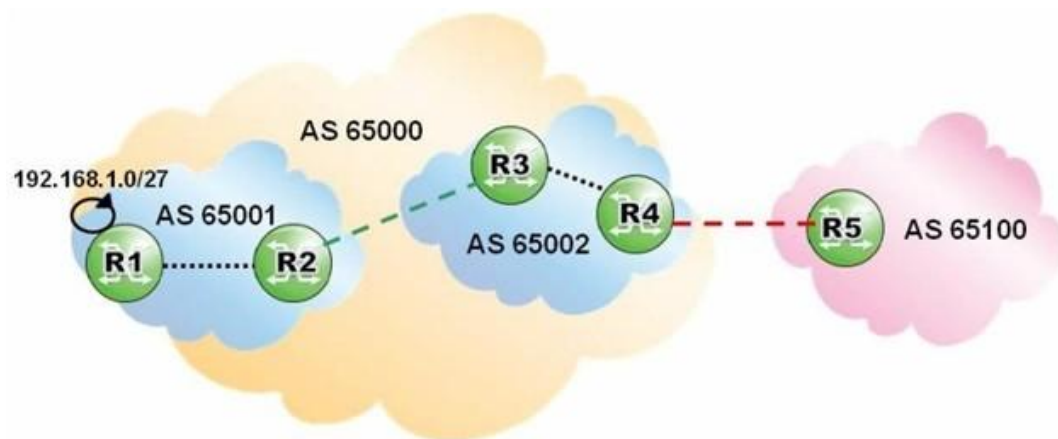

**Answer:** C


**QUESTION:** 148
Assuming that "client1" and "client2" are directly-connected networks, what is the result ofexecuting 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. "client1" routes will be tagged with communities "North" and "West".
B. "client1" routes will be tagged with community "West".
C. "client1" routes will be tagged with community "North".
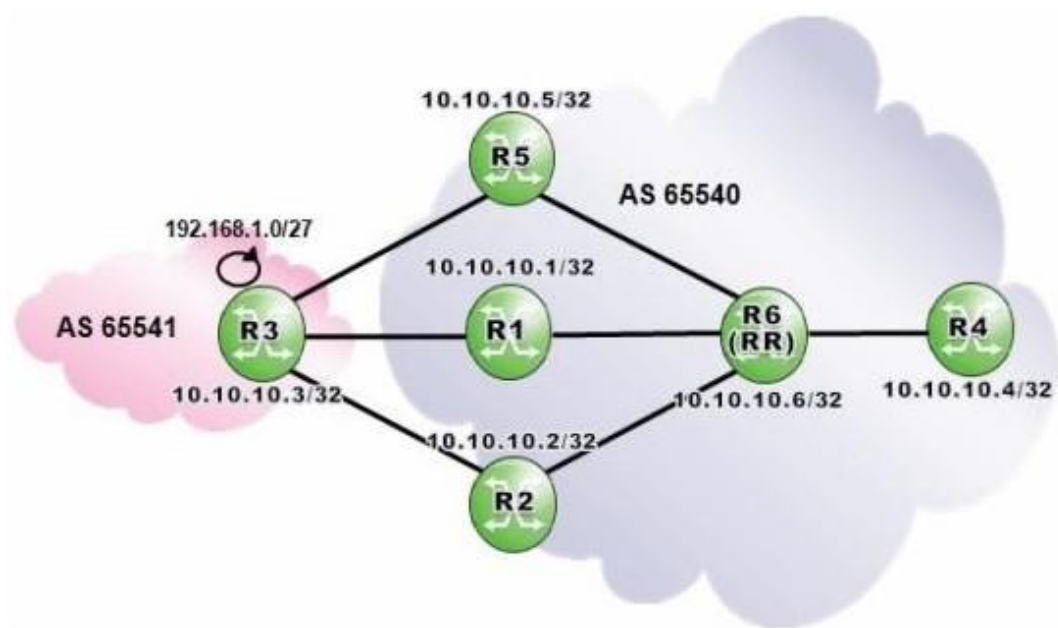D. "client1" routes will be rejected.

**Answer:** C

Click the exhibit.



Router R1 is advertising prefix 192.168.1.0/27 with community "no-export. Which routers willreceive 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.

**Answer:** D

Click the exhibit.

Router R6 is a route reflector with clients R1, R2, R4 and R5. R4 receives three routes from routerR6 and is configured with ECMP 3. Given the following BGP configuration on router R4, how manyprimary and backup paths will be present in router R4's BGP routing table?

```
R4>config>router>bgp# info
--------------------------------------------
            multipath 3
            add-paths
                ipv4 send 3 receive
            exit
            backup-path ipv4
            group "IBGP"
                peer-as 65540
                neighbor 10.10.10.6
                exit
            exit
```

A. Two primary paths and one backup path.
B. One primary path and two backup paths.
C. Three primary path and one backup path,
D. Three primary paths.


**Answer:** D


**QUESTION:** 151
Router R1, in AS 65540, has the export policy shown below. It advertises an aggregate route toeBGP peer router R2 in 65550. What is the AS Path of the aggregate route received by router R2?

```
*A:R1>config>router>policy-options# info
----------------------------------------------------
                policy-statement "advertise aggregate"
                    entry 10
                        from
                            protocol aggregate
                        exit
                        action accept
                            as-path-prepend 65540 1
                        exit
                    exit
                exit
```

A. 65540
B. 65540 1
C. 65540 65540
D. 65550 65540


**Answer:** C


**QUESTION:** 152
Which of the following statements regarding the Internet is FALSE?


A. It is a global network relying on interconnections provided by Internet service providers.
B. It is a continuous and interconnected set of public IP networks, advertised and shared acrossthe globe.
C. It is a settlement-free global network that provides interconnection between Internet serviceproviders.
D. It is a network that allows any Internet service provider to reach every other Internet serviceprovider in the world.


**Answer:** C

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