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4A0-102

Alcatel-Lucent Border Gateway Protocol



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 preference of 200. Router R1 advertises the prefix 192.168.1.0/27 to routers R2 and R3. Assuming that router R3 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
		Nextthop As-Path	Path-Id	VPNLabel

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
		Path-Id	VPNLabel
	Nextthop As-Path		
<hr/>			
u*>i	192.168.1.0/27	200	None
	10.10.10.2	None	-
	65541		

C. Flag	Network	LocalPref	MED
	Nextthop As-Path	Path-Id	VPNLabel

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		

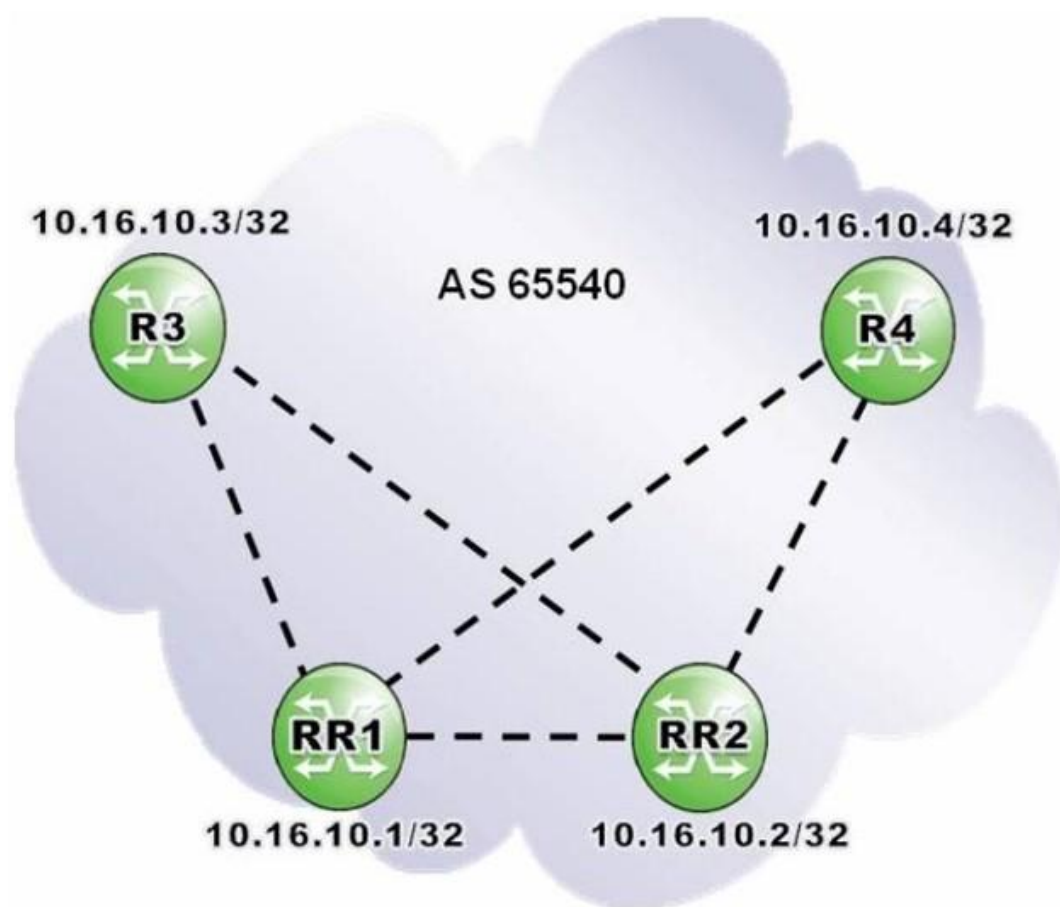
D. Flag Network		LocalPref	MED
	Nexthop As-Path	Path-Id	VPNLabel

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 and RR2 are redundant route reflectors for clients R3 and R4. Which of the following is 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_ID is set to the ClusterID 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

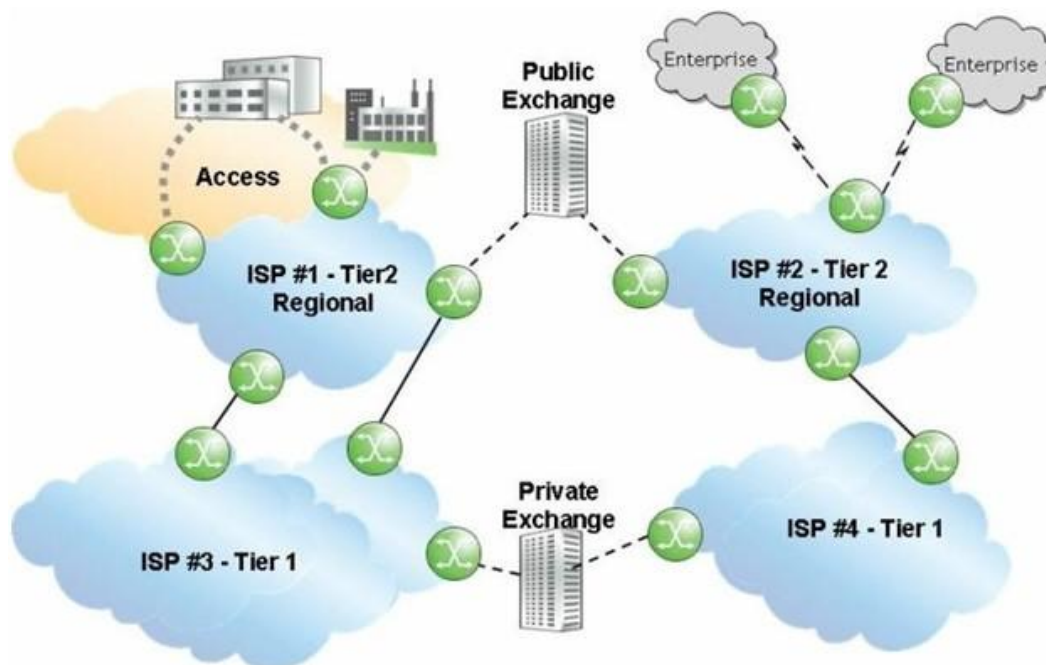
Which of the following prefix lists include prefixes 192.168.128.0/17 and 192.168.64.0/18?

- 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

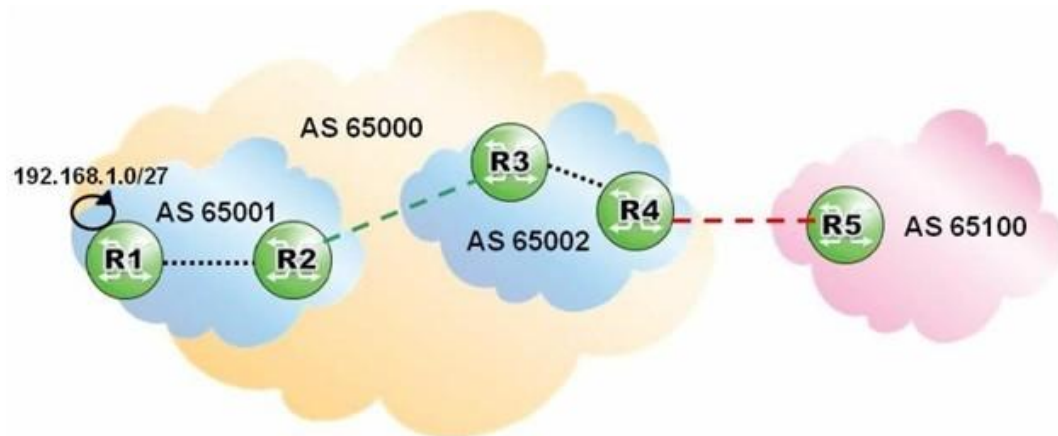
Assuming that "client1" and "client2" are directly-connected networks, what is the result of executing the following BGP export policy?


```
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. "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

QUESTION: 149
Click the exhibit.

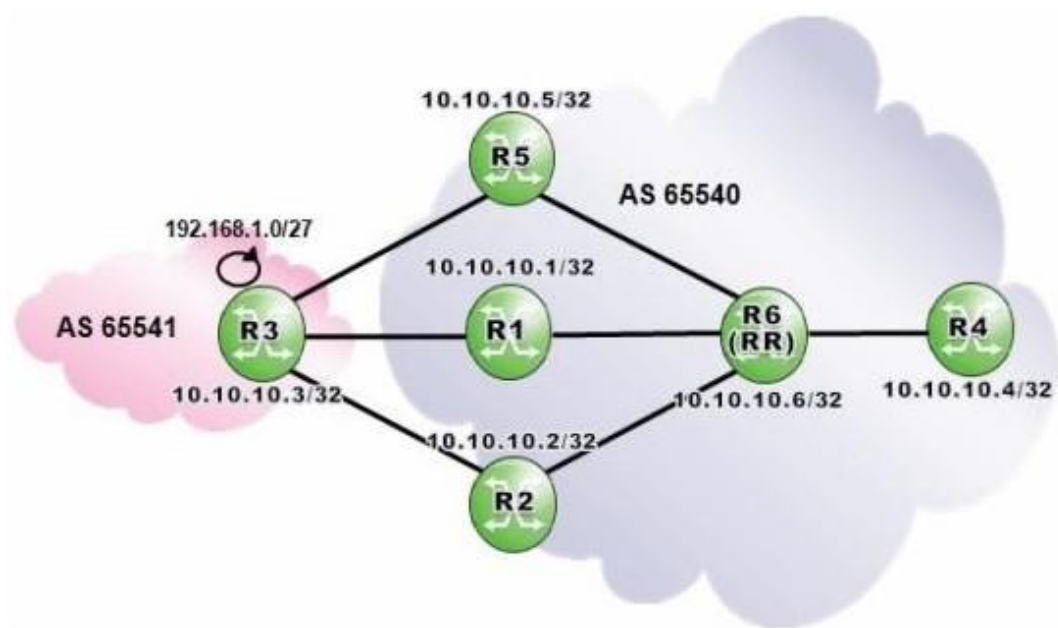


Router R1 is advertising prefix 192.168.1.0/27 with community "no-export". Which routers will receive an update for that prefix?

- A. Router R2 only.
- B. Routers R2 and R3 only.
- C. Routers R2, R3 and R4 only.
- D. Routers R2, R3, R4 and R5.

Answer: D

QUESTION: 150
Click the exhibit.



Router R6 is a route reflector with clients R1, R2, R4 and R5. R4 receives three routes from router R6 and is configured with ECMP 3. Given the following BGP configuration on router R4, how many primary 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 to eBGP 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 across the globe.
- C. It is a settlement-free global network that provides interconnection between Internet service providers.
- D. It is a network that allows any Internet service provider to reach every other Internet service provider in the world.

Answer: C



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