



642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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**QUESTION 1**

Based on the show ip route bgp output and the BGP configuration shown in the exhibit, which BGP prefixes will be advertised by P1R1? (Choose four.)

```
P1R1#sh ip route bgp
```

```
B 192.168.12.0/24 [20/0] via 172.31.1.3, 00:53:00
B 192.168.13.0/24 [20/0] via 172.31.1.3, 00:53:00
B 192.168.14.0/24 [20/0] via 172.31.1.3, 00:53:00
B 192.168.15.0/24 [20/0] via 172.31.1.3, 00:53:00
B 192.168.20.0/24 [20/0] via 172.31.11.4, 00:52:57
B 192.168.21.0/24 [20/0] via 172.31.11.4, 00:52:57
B 192.168.22.0/24 [20/0] via 172.31.11.4, 00:52:57
B 192.168.23.0/24 [20/0] via 172.31.11.4, 00:52:57
```

```
P1R1#sh run
```

```
!
```

```
! Partial show run output
```

```
!
```

```
router bgp 65101
```

```
aggregate-address 192.168.12.0 255.255.252.0 summary-only
```

```
aggregate-address 192.168.20.0 255.255.252.0
```

```
neighbor 10.1.1.1 remote-as 65101
```

```
neighbor 172.31.1.3 remote-as 65102
```

```
neighbor 172.31.11.4 remote-as 65103
```

- A. 192.168.12.0/22
- B. 192.168.20.0/24
- C. 192.168.23.0/24
- D. 192.168.12.0/24
- E. 192.168.15.0/24
- F. 192.168.20.0/22

Correct Answer: ABCF

QUESTION 2



What is the main reason for a multihomed customer to apply an outbound route filter to filter the BGP updates from the customer router to the service provider router?

- A. To ensure that the return traffic into the customer network will be load balanced between the different service providers.
- B. To ensure that the outbound traffic from the customer network will be load balanced between the different service providers.
- C. To prevent the customer network from becoming a transit AS.
- D. To allow the customer network to become a transit AS.

Correct Answer: C

QUESTION 3

Which BGP path attribute is used to inform the BGP peer that the routing information that was presented in the original routing updates may have been lost when the updates were summarized?

- A. AGGREGATOR
- B. AS_PATH
- C. ATOMIC_AGGREGATE
- D. CLUSTER_LIST

Correct Answer: C

QUESTION 4

Select and Place:



Drag the correct description on the left to match the appropriate BGP feature on the right.

- increase stability by reducing BGP route flaps
- reduce IBGP sessions by using special EBGP sessions
- can use a hierarchical approach
- all routers within the AS must support it
- override the BGP synchronization rule
- start the BGP routing process using the cluster ID
- limit the prefix being received from a BGP peer
- modify the BGP split horizon rule

Confederations

Route Reflectors

Correct Answer:

Drag the correct description on the left to match the appropriate BGP feature on the right.

- increase stability by reducing BGP route flaps
-
-
-
- override the BGP synchronization rule
- start the BGP routing process using the cluster ID
- limit the prefix being received from a BGP peer
-

Confederations

- all routers within the AS must support it
- reduce IBGP sessions by using special EBGP sessions

Route Reflectors

- modify the BGP split horizon rule
- can use a hierarchical approach

QUESTION 5

Which forward mechanism pre-builds the complete IP forwarding table (FIB) based on the IP routing table?

- A. CEF Switching
- B. Fast Switching
- C. Process Switching
- D. Optimum Switching



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Correct Answer: A

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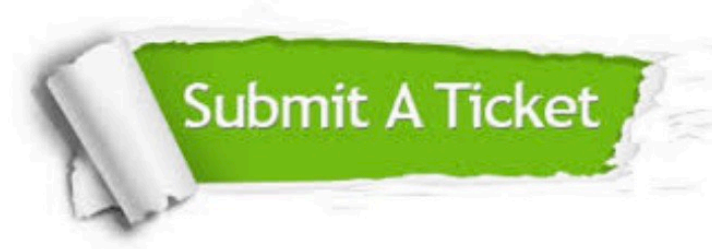
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