



642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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QUESTION 1

Which three of these statements describe a transit AS? (Choose three.)

- A. It uses recursive routing lookup when forwarding packets toward external destinations.
- B. Core IGP can be scaled using route reflectors.
- C. It uses IGP routing information to reach the BGP next-hop.
- D. Core IGP stability can be improved using BGP route dampening.
- E. BGP split horizon and synchronization are disabled.
- F. All core routers run IBGP and IGP.

Correct Answer: ACF

QUESTION 2

Match proper relationship between the correct description and the appropriate BGP feature.

1.
increase stability by reducing BGP route flaps
2.
reduce IBGP sessions by using special EBGP sessions
3.
can use a hierarchical approach
4.
all routers within the AS must support it
5.
override the BGP synchronization rule
6.
start the BGP routing process using the cluster ID
7.
limit the prefix being received from a BGP peer
8.
modify the BGP split horizon rule



- A. I-4,2;II-8,3
- B. I-4,1;II-7,3
- C. I-4,2;II-5,3
- D. I-4,1;II-7,3

Correct Answer: A

QUESTION 3

How does the extended community cost feature influence the BGP best path selection?

- A. inserts the cost attribute after the MED attribute comparison, forcing best path route selection if all other preferred route selection criteria are equal
- B. selects the BGP route with the highest attached extended community cost value
- C. alters the BGP AS exit path selection by adding the link cost to the local preference
- D. acts as a best path "tie breaker" when multiple IGP equal cost paths occur
- E. reflects the bandwidth of links entering the local AS from BGP neighbors (in the MED attribute)

Correct Answer: D

QUESTION 4

Router # show ip bgp 172.31.1.0

BGP routing table entry for 172.31.1.0/24, version 15 Paths: (2 available, best #2, table Default-IP-Routing-Table)

Advertised to non-peer-group peers:

10.1.0.2 10.200.200.3 10.200.200.4 172.31.11.1

65100

172.31.1.1 from 10.1.0.2 (10.200.200.2)

Origin IGP, metric 0, localpref 100, valid, internal 65100

172.31.1.1 from 172.31.1.1 (172.31.1.1)

Origin IGP, metric 0, localpref 100, valid, external, best

Based on the output shown in the exhibit, which two statements are correct? (Choose two)

- A. The BGP route to 172.31.1.0/24 is preferred over the iBGP route to 172.31.1.0/24.



- B. 172.31.1.1 is aniBGP peer.
- C. 10.1.0.2 is aniBGP peer.
- D. 10.200.200.3 is aneBGP peer.

Correct Answer: AC

QUESTION 5

What state will a BGP session move to immediately after the router sends a BGP Open message to its neighbor?

- A. OpenConfirm
- B. OpenSent
- C. active
- D. idle
- E. established

Correct Answer: B

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