



642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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**QUESTION 1**

Why does a modern transit AS not need to have BGP synchronization enabled?

- A. A modern transit AS does not rely on redistribution of BGP routes into an IGP.
- B. A modern transit AS does not rely on redistribution of IGP routes into an IGP.
- C. A modern transit AS rely on redistribution of BGP routes into an IGP.
- D. A modern transit AS rely on redistribution of IGP routes into an IGP.

Correct Answer: A

QUESTION 2

In a Transit AS, how do the internal routers within the Transit AS forward packets destined for the external networks using a scalable solution?

- A. using the default route
- B. using the IBGP routes, then using recursive lookup based on IGP information to resolve the BGP next-hop
- C. using the EBGP routes where the external networks are redistributed into the IBGP by the edge routers
- D. using the IGP routes where the external networks are redistributed into the IGP by the edge routers

Correct Answer: B

QUESTION 3

R-4 >show ip bgp 172.0.0.0 BGP routing table entry for 172.0.0.0/8, version 4 Paths: (1 available, best #1, table Default-IP-Routing-Table) Advertised to non peer-group peers:

192.168.1.6 50111

2.2.2.2 (metric 2323456) from 3.3.3.3 (3.3.3.3)

Origin IGP, metric 0, localpref 100, valid, internal, best Originator: 2.2.2.2, Cluster list: 3.3.3.3

Based on the shown ip bgp 172.0.0.0 output shown, which statement is true about the 172.0.0.0/8 prefix?

- A. It is received from an EBGP neighbor.
- B. It is received from an intra-confederation EBGP neighbor.
- C. It is received from an intra-confederation IBGP neighbor.
- D. It is received from a route reflector.

Correct Answer: D



QUESTION 4

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 5

How can you prevent multihomed customers with connections to two service providers from acting as a transit AS?

- A. Enable BGP synchronization on all the customer routers
- B. Use MED to influence the inbound traffic from the ISPs.
- C. Use conditional advertisements when sending BGP updates to the ISPs.
- D. Use an AS-path access-list to filter the BGP updates to the ISPs.
- E. Use static routing to the ISPs.

Correct Answer: D

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