



642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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QUESTION 1

Which two statements about a transit AS are correct? (Choose two.)

- A. A transit AS uses an IGP like OSPF or ISIS to propagate the external networks within the transit AS.
- B. Routes between ASs are always exchanged via BGP.
- C. iBGP sessions can be established between non directly connected routers.
- D. A transit AS has BGP connection(s) to only one external AS.
- E. Core routers within a transit AS normally use default routing to reach the external networks.

Correct Answer: BC

QUESTION 2

Within a Transit AS, when is it necessary to redistribute the connected interface into IGP at the edge routers?

- A. When synchronization is enabled.
- B. When the edge router is a route reflector.
- C. When the edge routers are redistributed the BGP into IGP.
- D. When the edge routers are not using the next-hop-self option.

Correct Answer: D

QUESTION 3

Based on the show route-map test output shown in the exhibit, which matching routes will be set to a weight of 150?

```
PIR1#show route-map test
route-map test, permit, sequence 10
  Match clauses:
    ip address prefix-lists: test
    as-path (as-path filter): 1 2
    community (community-list filter): 1 2
  set clauses:
    weight 150
Policy routing matches: 0 packets, 0 bytes
```

- A. Routes that match the prefix-list named test AND match the as-path filter 1 AND 2 AND match the community-list 1 AND 2
- B. Routes that match the prefix-list named test OR match the as-path filter 1 OR 2 OR match the community-list 1 OR 2
- C. Routes that match the prefix-list named test OR match the as-path filter 1 AND 2 OR match the community-list 1



AND 2

D. Routes that match the prefix-list named test AND also match either the as-path filter 1 OR 2 AND also match either the community-list 1 OR 2

Correct Answer: D

QUESTION 4

What are two characteristics of BGP confederations? (Choose two.)

- A. All routers within the BGP confederation must support BGP confederations.
- B. An Intra-Confederation EBGP session behaves like an EBGP session when propagating routing updates.
- C. The member AS numbers used within the confederation are visible from outside the confederation.
- D. Intra-Confederation EBGP neighbors must be directly connected or `ebgp-multihop` must be configured.

Correct Answer: AD

QUESTION 5

Refer to the exhibit. What effect will the route-map PEER-FILTER have on the route 24.11.62.0/24 with a community of 10:100 injected by the peer router in AS632?

```
router bgp 4224
neighbor 1.2.3.4 remote-as 632
neighbor 1.2.3.4 route-map PEER-FILTER in
!
route-map PEER-FILTER permit 10
match ip address 1
set weight 150
continue 40
!
route-map PEER-FILTER permit 20
match ip address 2
set weight 100
!
route-map PEER-FILTER permit 30
set weight 100
continue
!
route-map PEER-FILTER permit 40
match community 10:100
set local-preference 105
!
access-list 1 permit 67.400.0.100.255.255;
access-list 2 permit 24.11.0.0 0.0.255.255
```

- A. local preference will be set to 105
- B. weight will be set to 100, local preference will be set to 105
- C. weight will be set to 150
- D. weight will be set to 100



E. weight will be set to 150, local preference will be set to 105

Correct Answer: D

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