642-661$^{Q&As}$

CCIP Configuring BGP on Cisco Routers (BGP)

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QUESTION 1

Which two of the following are true regarding the BGP Prefix-Based outbound route filtering feature? (Choose two.)

A. Outbound route filtering is more effective when a distance vector IGP is used.

B. Outbound route filtering can be configured for eitheriBGP or eBGP sessions.

C. The outbound route filter can be defined in a Prefix list, Distribute list or Access lists.

D. Outbound route filtering is configured only on a per-address family basis.

E. IP multicast routes are not supported.

Correct Answer: DE

QUESTION 2

Based on the network diagram shown in the exhibit, what is the correct configuration on the customer edge router used to conditionally announce the customer networks to the ISP?
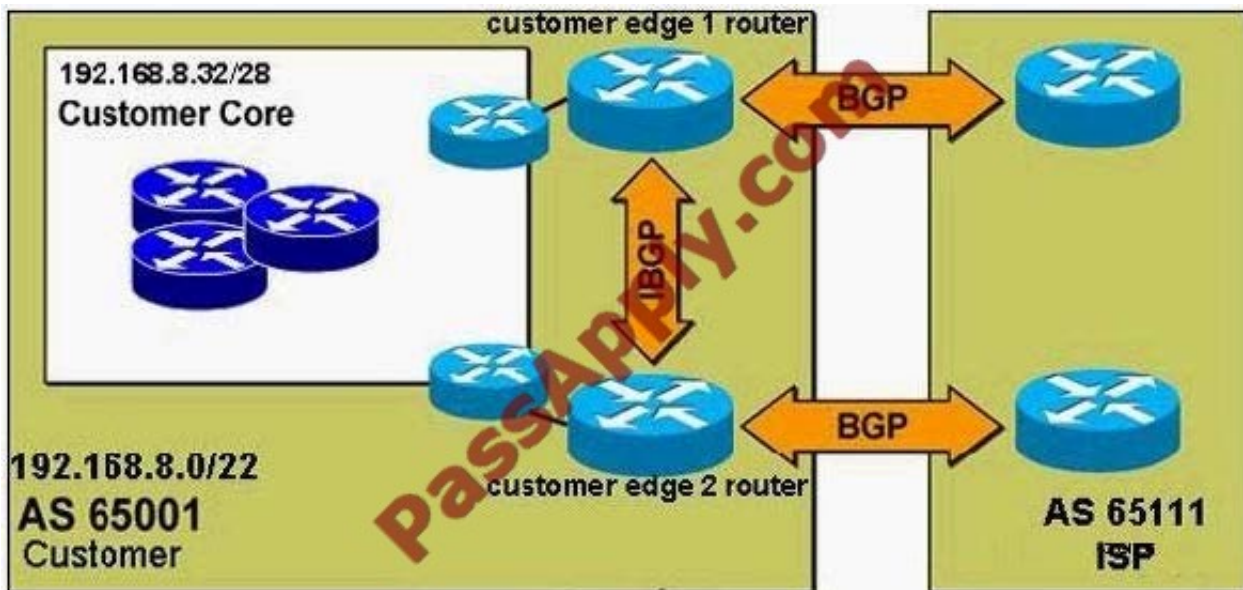
A. routerbgp 65001 ! neighbor commands not shown aggregate-address 192.168.8.0 255.255.252.0 ! ip route 192.168.8.0 255.255.252.0 null0

B. routerbgp 65001 ! neighbor commands not shown aggregate-address 192.168.8.0 255.255.252.0 summary-only ! router ospf 1 network 192.168.8.0 0.0.3.255 area 0

C. routerbgp 65001 ! neighbor commands not shown network 192.168.8.0 mask 255.255.252.0 ! ip route 192.168.8.0 255.255.252.0 192.168.8.33

D. routerbgp 65001 ! neighbor commands not shown aggregate-address 192.168.8.0 255.255.252.0 summary-only ! ip route 192.168.8.0 255.255.252.0 192.168.8.33

E. routerbgp 65001 ! neighbor commands not shown network 192.168.8.0 network 192.168.9.0 network 192.168.10.0 network 192.168.11.0 ! ip route 192.168.8.0 255.255.255.0 null0 ip route 192.168.9.0 255.255.255.0 null0 ip route

192.168.10.0 255.255.255.0 null0 ip route 192.168.11.0 255.255.255.0 null0

Correct Answer: C

QUESTION 3

Within a transit AS, which router(s) are typically configured with the BGP next-hop-self option?

A. All edge routers running botheBGP and iBGP sessions

B. All internal routers runningiBGP sessions.

C. The internal routers configured as route reflectors and runningiBGP sessions to the client routers.

D. The internal routers configured as route reflector clients and runningiBGP sessions to the route reflector.

Correct Answer: A

QUESTION 4

When using BGP to carry external routes, what is the ideal interaction between BGP and the IGP running within a Transit AS?

A. The IGP should carry the core subnets within the AS. Then a mutual redistribution between BGP and the IGP should be performed.

B. The external routes should be redistributed into a Link-State IGP (like OSPF or IS-IS) with filtering to reduce the size of the Link-State database.

C. The external routes should be redistributed into an IGP.

D. The IGP should carry the routes to reach the BGP next-hops and the core subnets within the AS.

Correct Answer: D

QUESTION 5

Which show command can be used to display the originator ID and cluster-list?

A. show ipbgp neighbors {ip address}

B. show ipbgp {prefix}

C. show ip route {prefix}

D. show ip routebgp

E. show ipbgp

F. show ipbgp sum

Correct Answer: B

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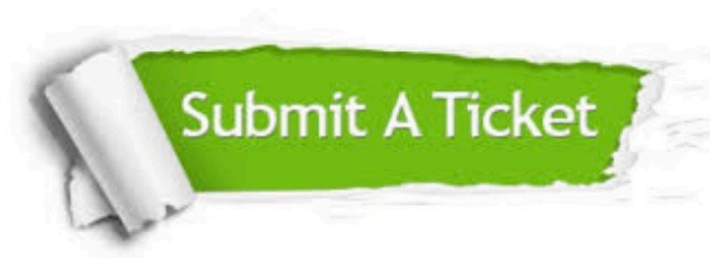
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