642-661^Q&As

CCIP Configuring BGP on Cisco Routers (BGP)

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QUESTION 1

Exhibit:

R1#show ip bgp BGP table version is 1, local router ID is 10.0.0.1 Status codes: s suppressed, d damped, h history, *valid,>best,iinternal Origin codes: i - IGP, e - EGP,? - incomplete Network Next Hop Metric LocPrf Wight Path *i133.3.0.0 3.3.3.3 0 100 0 65101 i *i172.0.0.0/8 20.1.1.5 0 100 0 65102 i R1#show ip route Codes: C - connected, S - static, I - IGRP, R -RIP, M -mobile, B

-BGP D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2 E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, * - candidate default U - per-user static route, o - ODR, P - periodic downloaded staticroute T - traffic engineered route Gateway of last resort is not set C 30.0.0.0/8 is directly connected, FastEthernet0/0 C 10.0.0.0/8 is directly connected, Loopback111 C 40.0.0.0/8 is directly connected, Serial0/0

Based on the exhibits show ip bg and show ip route output, what is the most likely problem that causes the two IBGP routes NOT to be selected as the best route in the BGP table?

A. The Weight is 0.

B. The origin code is "i,".

C. The Metric (MED) is 0.

D. The BGP next-hop is not reachable.

Correct Answer: D

QUESTION 2

Which one of the following regarding the BGP route refresh feature is correct?

A. Negotiates feature capability during the BGP UPDATE message exchange process.

B. Stores a copy of all the inbound BGP routing information in router memory.

C. Requirespreconfiguration using the neighbor soft-reconfiguration command on the router and the BGP peer.

D. Allows a router to request the retransmission of BGP routes from a BGP neighbor.

Correct Answer: D

QUESTION 3

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 4

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 5

Select and Place:


Correct Answer:

Based on the physical topology of AS 50001, to reduce the IBGP full-mesh requirements, only two redundant route reflectors (RR) will be used in a single cluster. In this case, which two routers should be the RRs and which three routers should be the clients based on the recommended route reflector design rule?

Tasks: 1) Drag the matching text labels given on the left side of the topology to the correct targets on the right to identify these routers. **2)** Also, identify all the unnecessary IBGP sessions once the redundant RRs have been configured by clicking on the IEGP session links to disable them. You can re-enable the IBGP session link by clicking on it again.
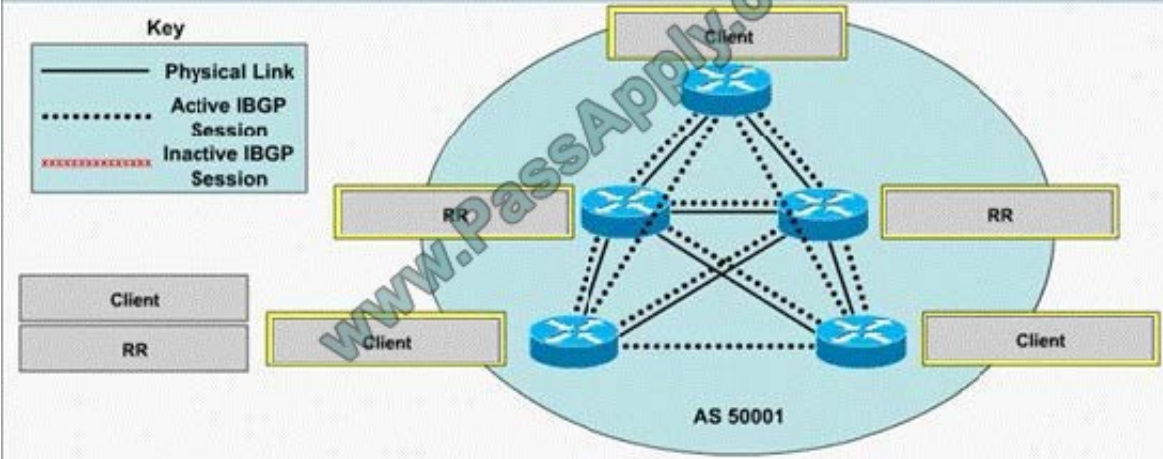
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