642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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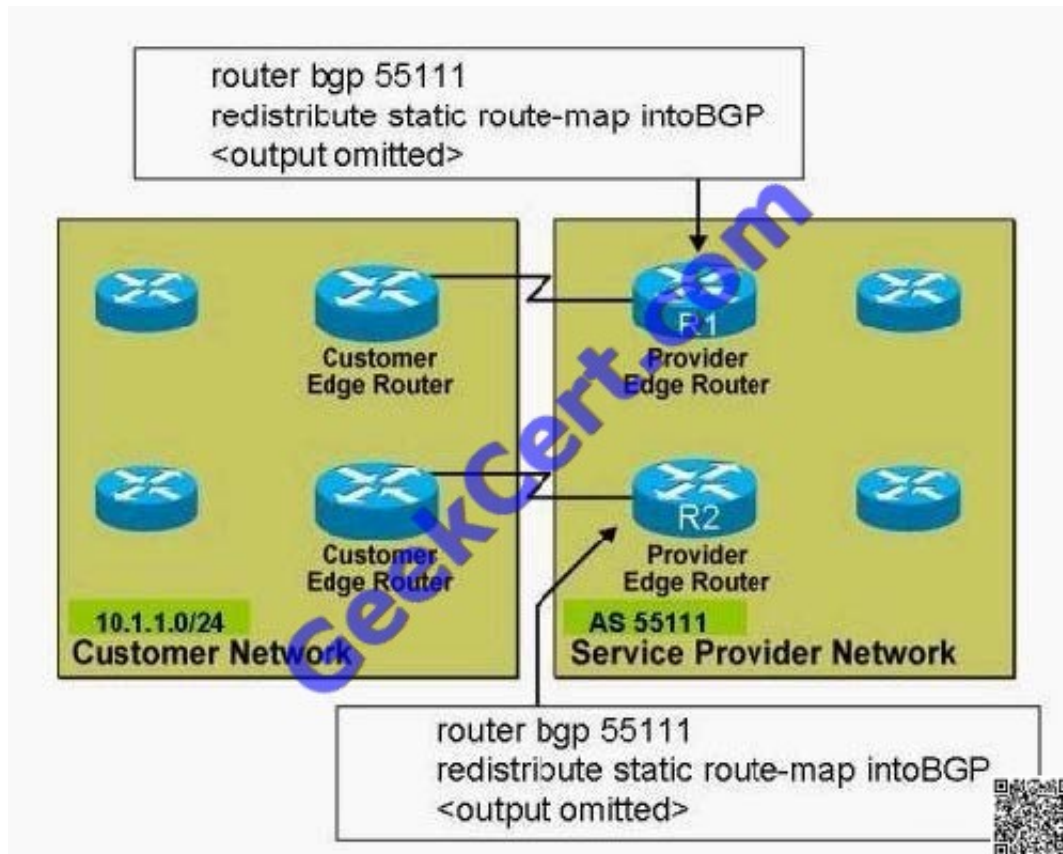Official Exam Center

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QUESTION 1

In the diagram, the customer is using static routing to connect to the ISP. Which configuration on the ISP edge routers will enable load balancing and backup of the traffic to the customer?

A. ! R1 ip route 10.1.1.0 255.255.255.128 serial 0 ip route 10.1.1.128 255.255.255.128 serial 0 ! R2 ip route 10.1.1.128 255.255.255.128 serial 0 ip route 10.1.1.0 255.255.255.128 serial 0

B. ! R1 ip route 10.1.1.0 255.255.255.128 serial 0 ! R2 ip route 10.1.1.128 255.255.255.128 serial

C. ! R1 ip route 10.1.1.0 255.255.255.128 serial 0 ip route 10.1.1.0 255.255.255.0 serial 0 ! R2 ip route 10.1.1.128 255.255.255.128 serial 0 ip route 10.1.1.0 255.255.255.0 serial 0

D. ! R1 ip route 10.1.1.0 255.255.255.0 serial 0 ! R2 ip route 10.1.1.128 255.255.255.0 serial 0
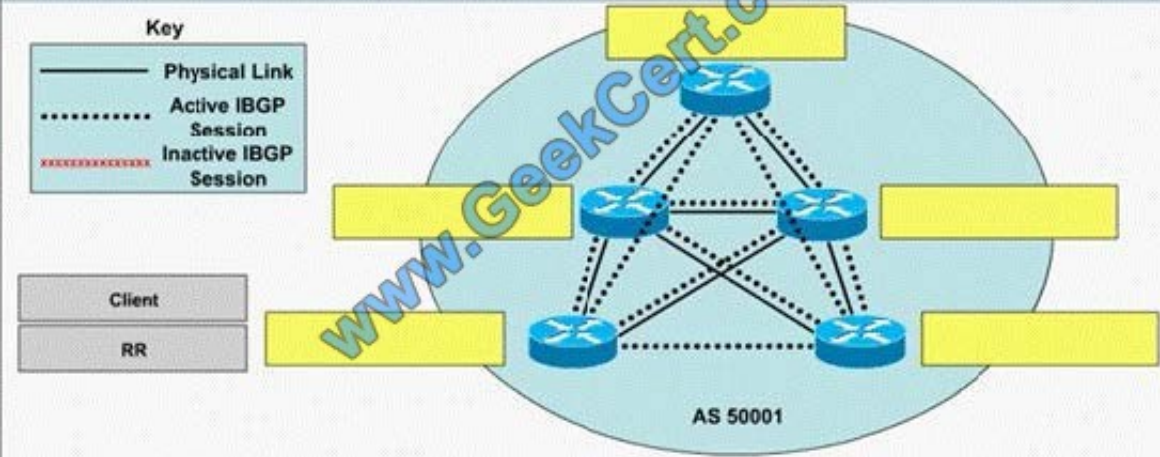
Correct Answer: C

QUESTION 2

Select and Place:

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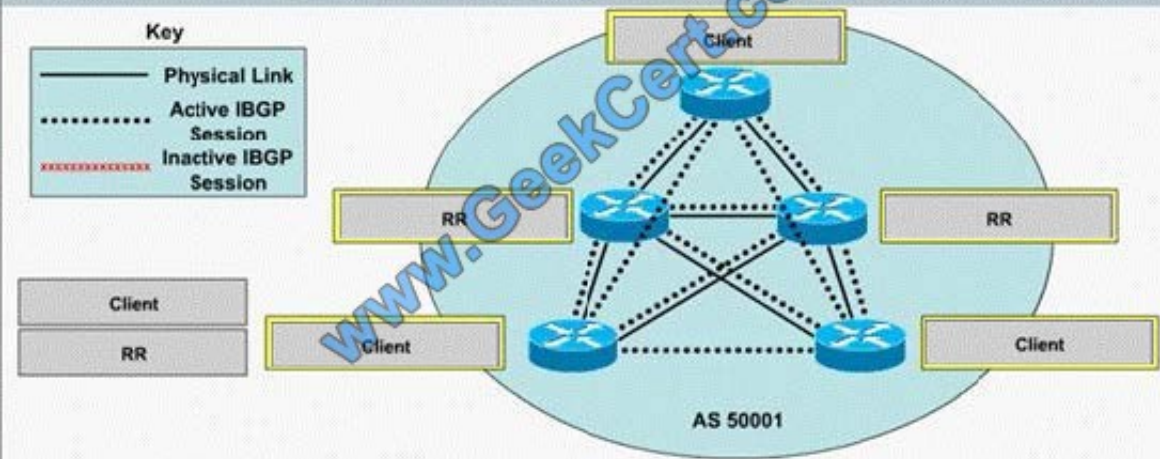
Tasks: 1) Drag the matching text labels given on the left side of the topology to the correct targets on the right to identify these routers. **2)** Also, identify all the unnecessary IBGP sessions once the redundant RRs have been configured by clicking on the IEGP session links to disable them. You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

Key

— Physical Link

.... Active IBGP Session

xxxxxxxxxxxx Inactive IBGP Session

Client

RR

AS 50001

Correct Answer:

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Key

— Physical Link

.... Active IBGP Session

xxxxxxxxxxxx Inactive IBGP Session

Client

RR

Client

RR

Client

RR

Client

AS 50001

QUESTION 3

What is the main reason for a multihomed customer to apply an outbound route filter to filter the BGP updates from the customer router to the service provider router?

A. To ensure that the return traffic into the customer network will be load balanced between the different service providers.

B. To ensure that the outbound traffic from the customer network will be load balanced between the different service providers.

C. To prevent the customer network from becoming a transit AS.

D. To allow the customer network to become a transit AS.

Correct Answer: C

QUESTION 4

Which two statements about route reflectors are true? (Choose two)

A. A non-route reflector capable router can be a client.

B. Clients do not need IBGP sessions to all the route reflectors in the same cluster.

C. A hierarchical route reflector design is where a route reflector is also client of another route reflector.

D. Clients should have IBGP sessions to route reflectors that belong to different clusters to provide redundancy.

Correct Answer: AC

QUESTION 5

Which three statements are true about a Cluster-ID? (Choose three)

A. A Cluster-ID configuration is only required on the route reflectors.

B. The Cluster-ID is the router ID of the originator of a route within the local AS.

C. Cluster-List is used to track Cluster IDs similar to the way that the AS-PATH is used to track AS numbers.

D. When a cluster contains multiple route reflectors, all the route reflectors in the cluster need to be configured with the same Cluster-ID.

Correct Answer: ACD

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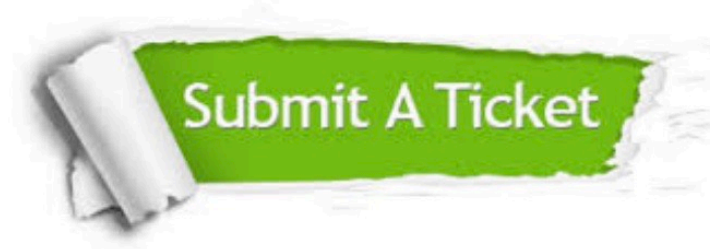
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