



Q&A

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Exam : 642-902

Title : Implementing cisco ip

routing

Version: DEMO

- 1. What are three key concepts that apply when configuring the EIGRP stub routing feature in a hub and spoke network? (Choose three.)
- A.A hub router prevents routes from being advertised to the remote router.
- B.Only remote routers are configured as stubs.
- C.Stub routers are not queried for routes.
- D.Spoke routers connected to hub routers answer the route queries for the stub router.
- E.A stub router should have only EIGRP hub routers as neighbors.
- F.EIGRP stub routing should be used on hub routers only.

Answer: B C E

2.Identify three characteristics of EIGRP feasible successors? (Choose three.)

A.A feasible successor is selected by comparing the advertised distance of a non-successor route to the feasible distance of the best route.

B.If the advertised distance of the non-successor route is less than the feasible distance of best route, then that route is identified as a feasible successor.

C.If the successor becomes unavailable, then the feasible successor can be used immediately without recalculating for a lost route.

D.The feasible successor can be found in the routing table.

E.Traffic will be load balanced between feasible successors with the same advertised distance.

Answer: ABC

3. Which is the most effective technique to contain EIGRP queries? route summarization

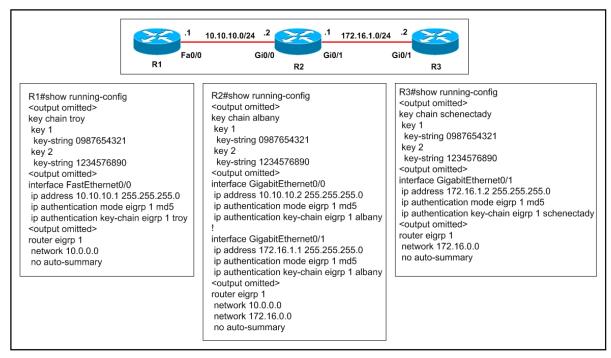
A.configuring route filters

B.using a hierarchical addressing scheme

C.establishing separate autonomous systems

Answer: A

4. Refer to the exhibit.



EIGRP is configured on all routers in the network. On the basis of the output provided, which statement is true?

A.Because the key chain names do not match, router R1 will not be able to ping routers R2 and R3.

B.Because the key strings do not match, router R1 will not be able to ping routers R2 and R3.

C.Because authentication is misconfigured on interfaces Gi0/0 and Gi0/1 on router R2, router R1 will not be able to ping routers R2 and R3.

D.Because autosummarization needs to be turned on for EIGRP on all routers, router R1 will not be able to ping routers R2 and R3.

E.Router R1 will be able to ping routers R2 and R3.

Answer: E

5. Which EIGRP packet statement is true?

A.On high-speed links, hello packets are broadcast every 2 seconds for neighbor discovery.

B.On low-speed links, hello packets are broadcast every 15 seconds for neighbor discovery.

C.Reply packets are multicast to IP address 224.0.0.10 using RTP.

D.Update packets route reliable change information only to the affected routers.

E.Reply packets are used to send routing updates.

Answer: D