

# 300-420<sup>Q&As</sup>

Designing Cisco Enterprise Networks (ENSLD)

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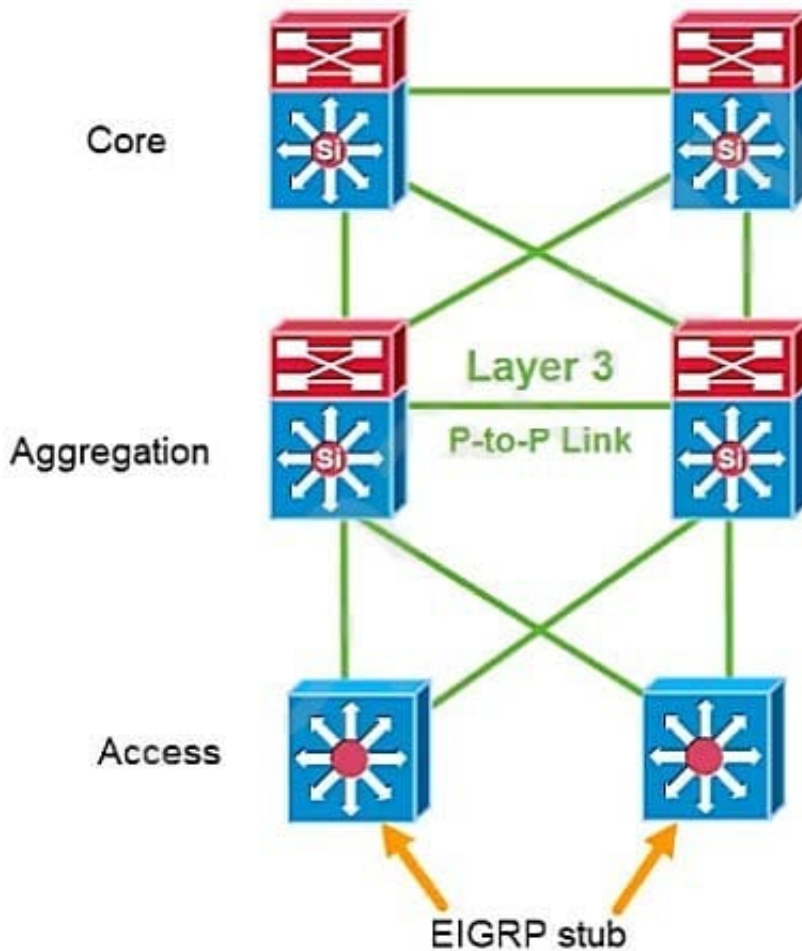
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**QUESTION 1**

Refer to the exhibit.



The full EIGRP routing table is advertised throughout the network. Currently, users experience data loss when any one link in the network fails. An architect must optimize the network to reduce the impact when a link fails. Which solution should the architect include in the design?

- A. Run BFD on the inter links between EIGRP neighbors.
- B. Summarize the access layer networks from each access layer switch toward the aggregation layer.
- C. Reduce the default EIGRP hello interval and hold time.
- D. Summarize the access layer networks from the aggregation layer toward the core layer.

Correct Answer: A

**QUESTION 2**

An engineer must design a management network that enables SSH, NTP, FTP, and SNMP over the production network. The design requires the management of routers and switches that exist across different networks. Which feature must

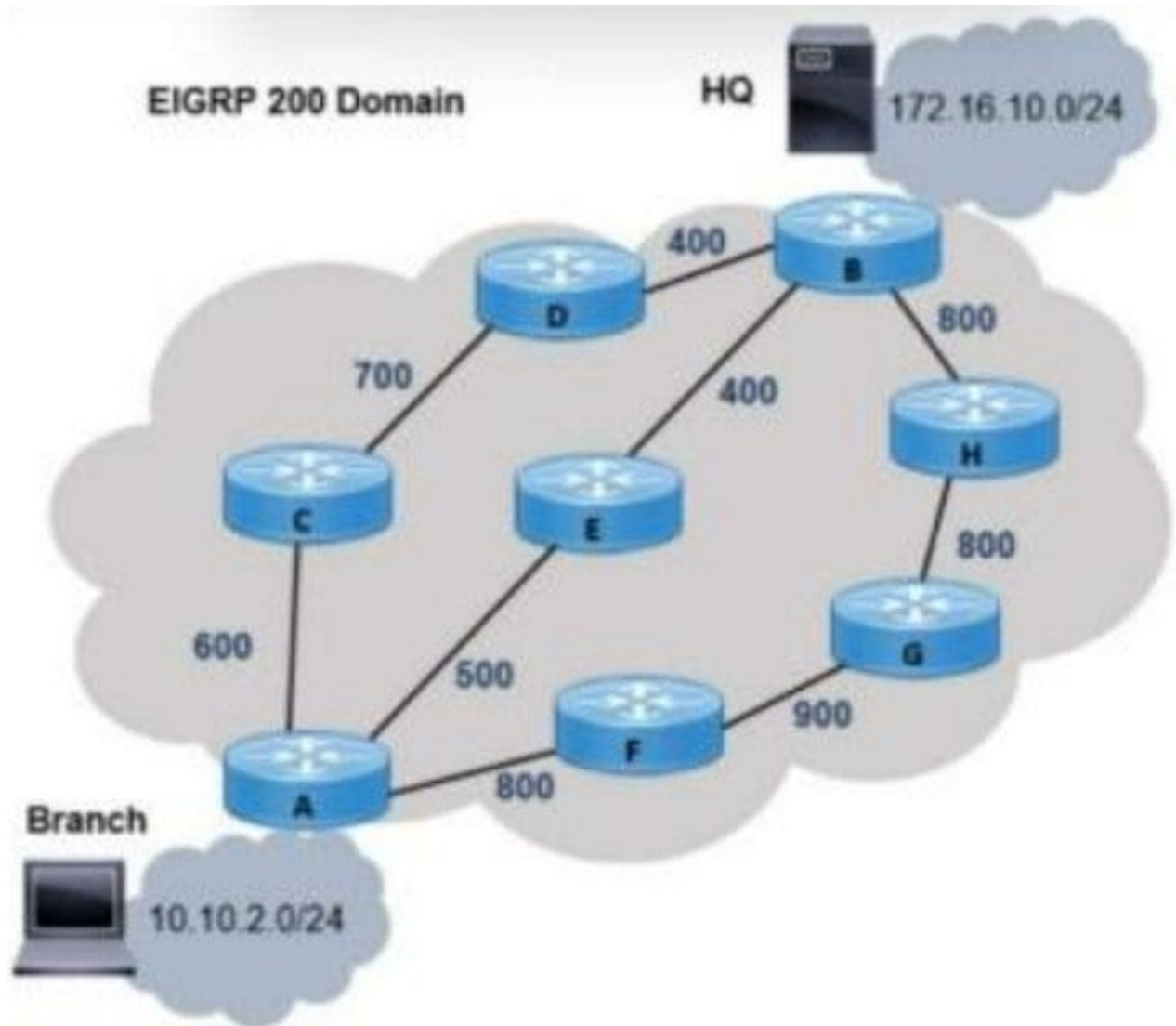
the design include?

- A. Management Plane Protection
- B. dedicated management console connection per device
- C. terminal server
- D. dedicated management VRF connection per device

Correct Answer: D

**QUESTION 3**

Refer to the exhibit.



An architect is designing a routing solution for a company. The new design will add a circuit routers C and D to protect

against loss of connectivity to 10.0.4.0/24 during a link failure between routers B and D. Which solution must the architect choose?

- A. Stub connected
- B. Stub redistributed
- C. Stub receive-only
- D. Stub leak-map

Correct Answer: A

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#### QUESTION 4

When designing interdomain multicast, which two protocols are deployed to achieve communication between multicast sources and receivers? (Choose two.)

- A. IGMPv2
- B. BIDIR-PIM
- C. MP-BGP
- D. MSDP
- E. MLD

Correct Answer: CD

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#### QUESTION 5

An architect must create a QoS solution for a customer to ensure that a 40 Mbps Internet connection is shared between four subnets based on these requirements:

1.

Each subnet must receive no less than 10 Mbps of download bandwidth during peak traffic times.

2.

A subnet can use up to 40 Mbps during nonpeak traffic times if the other subnets are idle.

3.

Download traffic must never experience a delay. Which solution must the architect choose?

- A. rate-limiting and shaping
- B. bandwidth percentage and policing

C. shaping and policing

D. bandwidth percentage and rate-limiting

Correct Answer: B

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