



300-420^{Q&As}

Designing Cisco Enterprise Networks (ENSLD)

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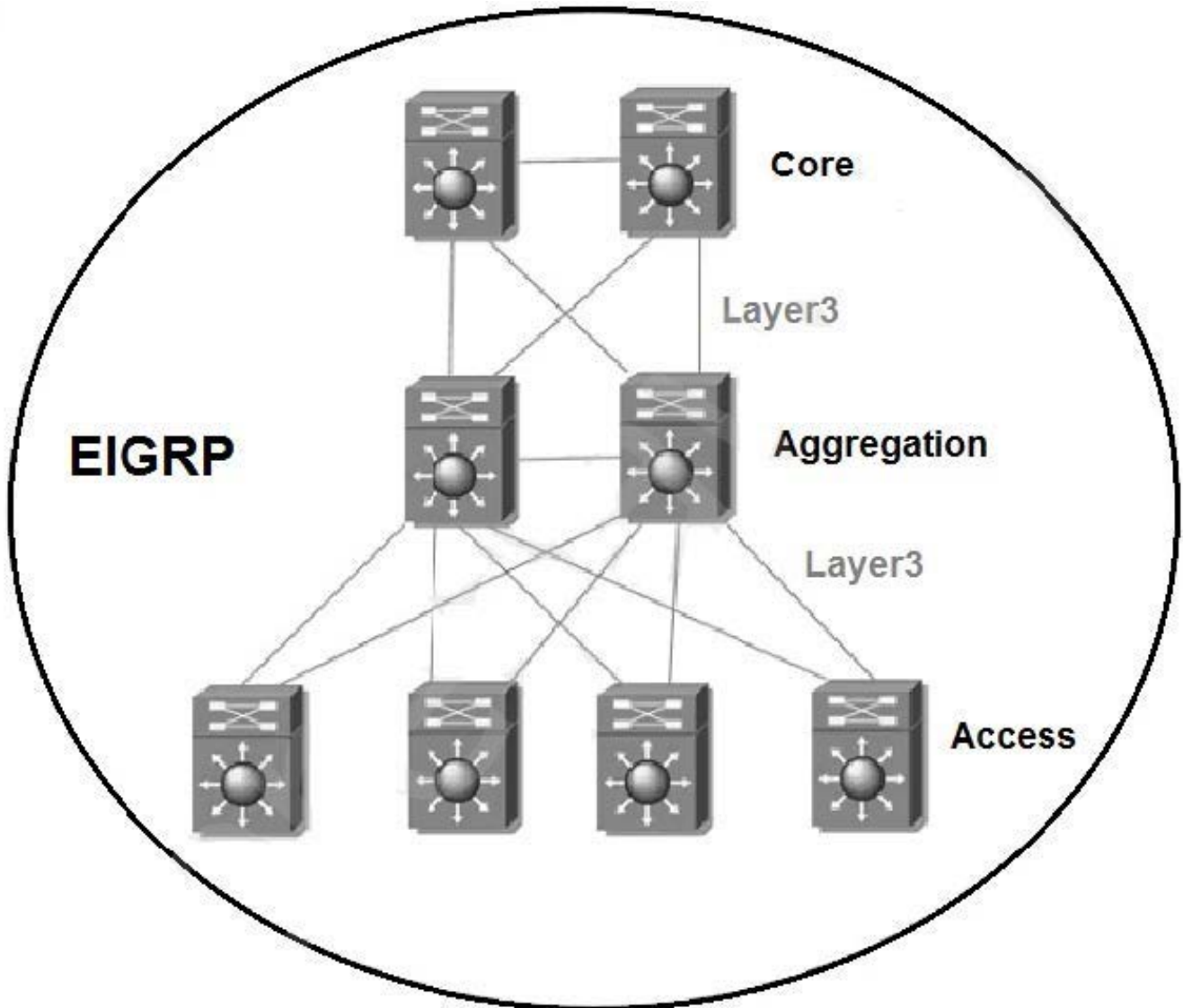
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**QUESTION 1**

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: D

**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

Which control plane protocol is responsible for EID-to-RLOC mapping concerning SO- Access Architecture?

- A. GBAC
- B. LISP
- C. CEF
- D. VXLAN

Correct Answer: B

QUESTION 4

An engineer is designing a multicast network for a company specializing in VoD content. Receivers are across the Internet, and for performance reasons, the multicast framework must be close to the receivers within each AS. For high availability, if the sources in one AS are no longer available, the receivers of that AS must be able to receive the VoD content from the sources in another AS. Which feature must the design include?

- A. SSM
- B. anycast RP
- C. bidirectional PIM
- D. MSDP

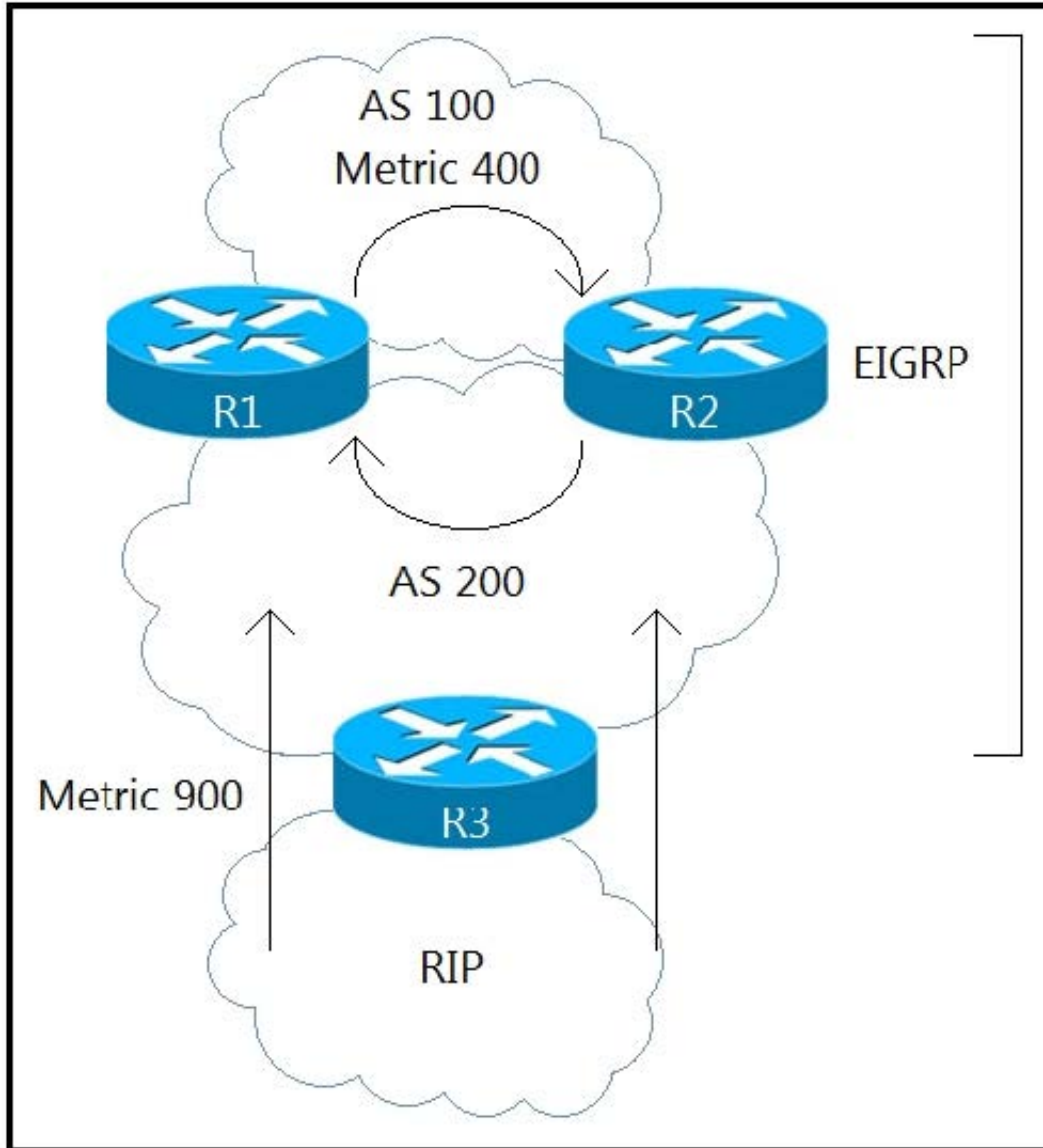
Correct Answer: B



<https://learningnetwork.cisco.com/s/question/0D53i00000KsrGrCAJ/rendezvous-point-high-availability-mechanisms>

QUESTION 5

Refer to the exhibit.



An architect must design a solution to connect the network behind R3 with the EIGRP network. Which mechanism should be included to avoid routing loops?

- A. down bit
- B. split-horizon
- C. route tags
- D. summarization



Correct Answer: C

QUESTION 6

A company needs to increase access port capacity on one floor of a building. They want to leverage the existing catalyst access switch. There is no problem with uplink bandwidth capacity. However, no additional uplinks can be added because no ports are available on the distribution switches. Which solution must the company choose to provide additional access ports?

- A. VDC
- B. VSS
- C. Etherchannel
- D. Stackwise

Correct Answer: D

QUESTION 7

DRAG DROP

Drag and drop the characteristics from the left onto the correct telemetry mode on the right.

Select and Place:

- The collector initiates a session to the device
- supports TCP, UDP, and gRPC
- The device initiates a session to the collector
- supports gRPC only

Dial-In

Dial-Out

Correct Answer:



Dial-In

The collector initiates a session to the device

supports gRPC only

Dial-Out

The device initiates a session to the collector

supports TCP, UDP, and gRPC

In a dial-in mode, the destination initiates a session to the router and subscribes to data to be streamed. Dial-in mode is supported over gRPC in only 64-bit platforms

In a dial-out mode, the router initiates a session to the destinations based on the subscription. All 64-bit IOS XR platforms (except for NCS 6000 series routers) support gRPC and TCP protocols. All 32-bit IOS XR platforms support only TCP.

Reference:

https://www.cisco.com/c/en/us/td/docs/iosxr/asr9000/telemetry/b-telemetry-cg-asr9000-61x/b-telemetry-cg-asr9000-61x_chapter_010.html#id_36445

QUESTION 8

A customer plans to adopt distributed QoS in their enterprise WAN. The policy must allow for individual packet marking according to the type of treatment required and for forwarding based on hop-by-hop treatment locally defined on each device. Which technology must the customer select?

- A. CBWFQ
- B. LLQ
- C. Diffserv
- D. IntServ

Correct Answer: C

QUESTION 9

A company uses cloud-based applications for voice and video calls, file sharing, content sharing, and messaging.



C. Assign the same IS-IS NET value for each campus, and configure internal campus routers with Level 1/ Level 2 routing.

D. Utilize different MTU values for each campus network segment. Level 2 backbone routers must utilize a larger MTU size of 9216.

E. Assign a unique IS-IS NET value for each campus, and configure internal campus routers with Level 1 routing.

Correct Answer: BE

QUESTION 12

Since installing a cisco TelePresence system, the company is experiencing other application having response issues when the system in use. As a result, the company asked an architect to recommend a QoS solution. The customer is currently using a CBWFQ policy to manage traffic on an internet connection with a speed of 100 Mbps. Which link-capacity limit must the architect choose for strict-priority for the real-time traffic?

A. 25 Mbps

B. 50 Mbps

C. 33 Mbps

D. 75 Mbps

Correct Answer: C

QUESTION 13

What are two advantages of the Cisco SD-WAN technology? (Choose two.)

A. easier deployment

B. improved application experience

C. optimized cloud connectivity

D. consistent connectivity

E. proactive network management

Correct Answer: BC

Reference: <https://www.cisco.com/c/en/us/solutions/enterprise-networks/sd-wan/what-is-sd-wan.html#~benefits>

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