



**Cisco**

## **Exam Questions 300-420**

Designing Cisco Enterprise Networks (ENSLD)

#### NEW QUESTION 1

A company is running BGP on a single router, which has two connections to the same ISP. Which BGP feature ensures traffic is load balanced across the two links to the ISP?

- A. Multihop
- B. Multipath Load Sharing
- C. Next-Hop Address Tracking
- D. AS-Path Prepending

**Answer: B**

#### NEW QUESTION 2

An enterprise customer has these requirements:

- end-to-end QoS for the business-critical applications and VoIP services based on CoS marking.
- flexibility to offer services such as IPv6 and multicast without any reliance on the service provider.
- support for full-mesh connectivity at Layer 2.

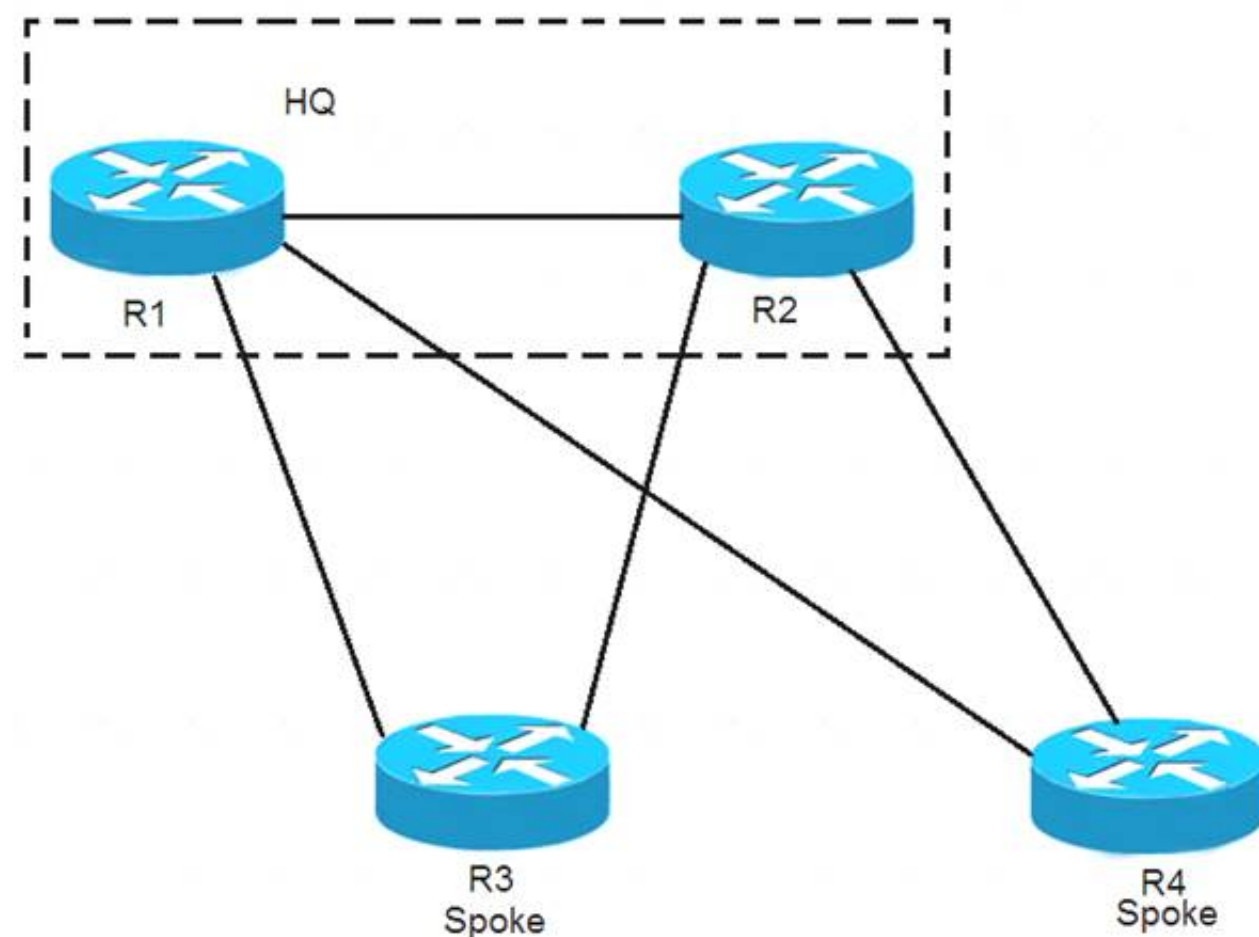
Which WAN connectivity option meets these requirements?

- A. VPWS
- B. MPLS VPN
- C. DMVPN
- D. VPLS

**Answer: D**

#### NEW QUESTION 3

Refer to the exhibit.



EIGRP has been configured on all links. The spoke nodes have been configured as EIGRP stubs, and the WAN links to R3 have higher bandwidth and lower delay than the links to R4. When a link failure occurs at the R1-R2 link, what happens to traffic on R1 that is destined for a subnet attached to R2?

- A. R1 has no route to R2 and drops the traffic
- B. R1 load-balances across the paths through R3 and R4 to reach R2
- C. R1 forwards the traffic to R3, but R3 drops the traffic
- D. R1 forwards the traffic to R3 in order to reach R2

**Answer: D**

#### NEW QUESTION 4

Which solution allows overlay VNs to communicate with each other in an SD-WAN Architecture?

- A. External fusion routers can be used to map VNs to VRFs and selectively route traffic between VRFs.
- B. GRE tunneling can be configured between fabric edges to connect one VN to another.
- C. SGTs can be used to permit traffic from one VN to another.
- D. Route leaking can be used on the fabric border nodes to inject routes from one VN to another.

**Answer: B**

#### NEW QUESTION 5

An engineer must design a multicast network for a financial application. Most of the multicast sources also receive multicast traffic (many-to-many deployment model). To better scale routing tables, the design must not use source trees. Which multicast protocol satisfies these requirements?

- A. PIM-SSM
- B. PIM-SM
- C. MSDP
- D. BIDIR-PIM

**Answer:** B

#### NEW QUESTION 6

An engineer must propose a QoS architecture model that allows an application to inform the network of its traffic profile and to request a particular type of service to support its bandwidth and delay requirements. The application requires consistent and dedicated bandwidth end to end. Which QoS architecture model meets these requirements?

- A. DiffServ
- B. LLQ
- C. WRED
- D. IntServ

**Answer:** D

#### NEW QUESTION 7

An engineer must design a VPN solution for a company that has multiple branches connecting to a main office. What are two advantages of using DMVPN instead of IPsec tunnels to accomplish this task? (Choose two.)

- A. support for AES 256-bit encryption
- B. greater scalability
- C. support for anycast gateway
- D. lower traffic overhead
- E. dynamic spoke-to-spoke tunnels

**Answer:** BE

#### NEW QUESTION 8

Which two routing protocols allow for unequal cost load balancing? (Choose two.)

- A. EIGRP
- B. IS-IS
- C. BGP
- D. OSPF
- E. RIPvng

**Answer:** AC

#### NEW QUESTION 9

Which feature is required for graceful restart to recover from a processor failure?

- A. Cisco Express Forwarding
- B. Virtual Switch System
- C. Stateful Switchover
- D. Bidirectional Forwarding Detection

**Answer:** A

#### NEW QUESTION 10

When IPsec VPNs are designed, what is a unique requirement if support for IP Multicast is required?

- A. encapsulation of traffic with GRE or VTI
- B. IPsec forwarding using transport mode
- C. additional bandwidth for headend
- D. IPsec forwarding using tunnel mode

**Answer:** A

#### NEW QUESTION 10

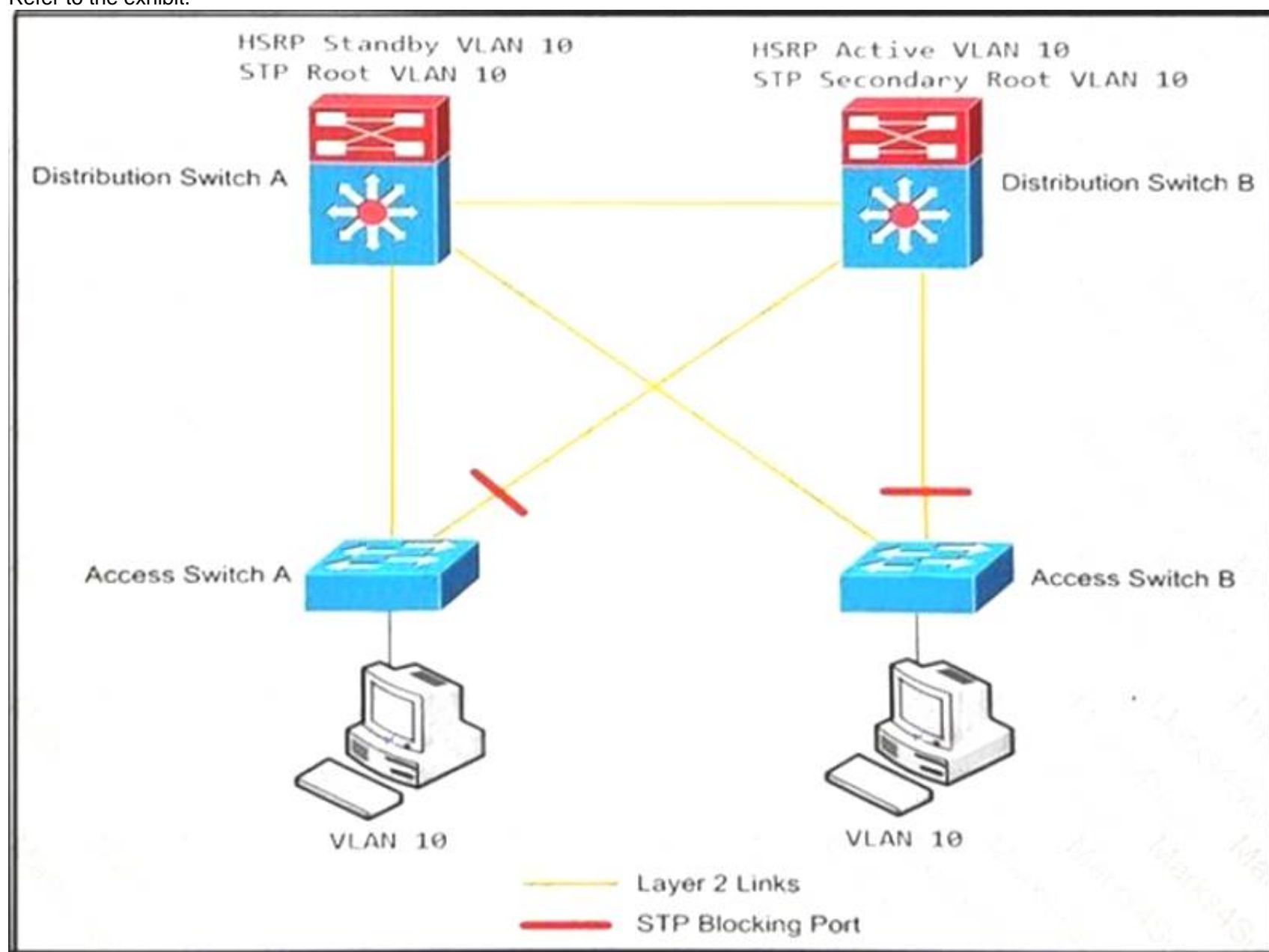
How do endpoints inside an SD-Access network reach resources outside the fabric?

- A. a VRF fusion router is used to map resources in one VN to another VN
- B. Fabric borders use VRFs to map VNs to VRFs
- C. SD-Access transit links are used to transport encapsulated traffic from one fabric to another
- D. A fabric edge is used to de-encapsulate VXLAN traffic to normal IP traffic then transported over the outside network

**Answer:** D

# NEW QUESTION 15

Refer to the exhibit.



An engineer must optimize the traffic flow of the network. Which change provides a more efficient design between the access and the distribution layer?

- A. Add a link between access switch A and access switch B
- B. Reconfigure the distribution switch A to become the HSRP Active
- C. Change the link between distribution switch A and distribution switch B to be a routed link
- D. Create an EtherChannel link between distribution switch A and distribution switch B

Answer: B

# NEW QUESTION 19

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

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

- A. Mastered
- B. Not Mastered

Answer: A

## Explanation:

In a dial-in mode, the destination initiates a session to the router and subscribes to data to be streamed. Dialin 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.

NEW QUESTION 23  
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