

300-420^{Q&As}

Designing Cisco Enterprise Networks (ENSLD)

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QUESTION 1

An enterprise customer has these requirements:

1.
end-to-end QoS for the business-critical applications and VoIP services based on CoS marking.
2.
flexibility to offer services such as IPv6 and multicast without any reliance on the service provider.
3.
support for full-mesh connectivity at Layer 2.

Which WAN connectivity option meets these requirements?

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

Correct Answer: D

QUESTION 2

When a first hop redundancy solution is designed, which protocol ensures that load balancing occurs over multiple routers using a single virtual IP address and multiple virtual MAC addresses?

- A. GLBP
- B. IRDP
- C. VRRP
- D. HSRP

Correct Answer: A

QUESTION 3

What is the purpose of a control plane node in a Cisco SD-Access network fabric?

- A. to maintain the endpoint database and mapping between endpoints and edge nodes
- B. to detect endpoints in the fabric and inform the host tracking database of EID-to-fabric-edge node bindings

- C. to identify and authenticate endpoints within the network fabric
- D. to act as the network gateway between the network fabric and outside networks

Correct Answer: A

<https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Campus/cisco-sda-design-guide.html>

QUESTION 4

What is the function of the multicast Reverse Path Forwarding check?

- A. It allows for a loop-free distribution tree from the source to receivers.
- B. It serves as an Auto RP Mapping agent.
- C. It prevents bootstrap messages from reaching all routers.
- D. It is used to discover and announce RP-set information.

Correct Answer: A

QUESTION 5

An organization plans to deploy multicast across two different autonomous systems. Their solution must allow RPs to:

1.
discover active sources outside their domain
2.
use the underlying routing information for connectivity with other RPs
3.
announce sources joining the group

Which solution supports these requirements?

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

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst9500/software/release/16-10/configuration_guide/ip_mcast_rtng/b_1610_ip_mcast_rtng_9500_cg/b_1610_ip_mcast_rtng_9500_cg_chapter_010001.pdf

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