



# HPE2-W09<sup>Q&As</sup>

Aruba Data Center Network Specialist Exam

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### QUESTION 1

Your task is to configure an EVPN solution for a dual-stack IPv4 and IPv6 protocol in the overlay networks. Is this statement about EVPN and IPv6 correct? Solution: IPv6 protocol can be encapsulated in the underlay network's IPv4 packets.

- A. Yes
- B. No

Correct Answer: B

IPv6 protocol cannot be encapsulated in the underlay network's IPv4 packets. EVPN is a protocol that provides layer 2 and layer 3 services over an IP network. It uses VXLAN tunnels to encapsulate Ethernet frames in UDP packets and transport them across the underlay network. The underlay network can use either IPv4 or IPv6 protocol, but it must match the protocol used by the VXLAN tunnels. The statement is false because it implies that IPv6 protocol can be encapsulated in IPv4 packets, which is not possible.

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### QUESTION 2

Does this correctly describe the ArubaOS-CX architecture?

Solution: The ArubaOS-CX time-series database helps to support network analytics and troubleshooting.

- A. Yes
- B. No

Correct Answer: A

The ArubaOS-CX time-series database helps to support network analytics and troubleshooting is a correct description of the ArubaOS-CX architecture. The time-series database (TSDB) is a component of the ArubaOS-CX software that stores information about the switch's configuration, status, and performance over time. The TSDB helps to support network analytics and troubleshooting by providing historical data and trend analysis for various metrics.

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### QUESTION 3

ArubaOS-CX switches are acting as Virtual Extensible LAN (VXLAN) Tunnel Endpoints (VTEPs) WITHOUT Ethernet VPN (EVPN).

Does this correctly describe how the VTEPs handle VXLAN traffic forwarding? Solution: VTEPs that use headend replication forward unicasts with unknown destination MAC addresses as unicast packets to each VTEP in the same VNI.

- A. Yes
- B. No

Correct Answer: A

VTEPs that use headend replication forward unicasts with unknown destination MAC addresses as unicast packets to



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each VTEP in the same VNI is a correct description of how the VTEPs handle VXLAN traffic forwarding. Headend replication is a method of replicating VXLAN packets at the ingress VTEP instead of using multicast routing. The ingress VTEP sends a copy of the VXLAN packet to each egress VTEP that belongs to the same VNI using unicast tunnels<sup>1</sup>.

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#### QUESTION 4

Is this a rule for configuring schedule profiles on an ArubaOS-CX switch?

Solution: If the profile mixes strict priority scheduling with another scheduling algorithm, the strict priority queue must be the highest numbered queue.

- A. Yes
- B. No

Correct Answer: A

A schedule profile is a feature of ArubaOS-CX that determines the order and service of queues for transmission<sup>123</sup>. A schedule profile must be configured on every interface at all times<sup>23</sup>. The switch supports three scheduling algorithms: Guaranteed Minimum Bandwidth (GMB), Strict, and Strict EQS<sup>23</sup>. Strict scheduling gives absolute priority to a queue over other queues, regardless of the bandwidth allocation<sup>23</sup>. If the profile mixes strict priority scheduling with another scheduling algorithm, the strict priority queue must be the highest numbered queue<sup>23</sup>. Therefore, this is a rule for configuring schedule profiles on an ArubaOS-CX switch, and the correct answer is yes. For more information on schedule profiles and QoS, refer to the Aruba Data Center Network Specialist (ADCNS) certification datasheet<sup>1</sup> and the QoS Guide for your switch model<sup>23</sup>.

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#### QUESTION 5

Does this correctly describe routing information advertised by a VXLAN Tunnel Endpoint (VTEP) that uses EVPN?

Solution: MAC/IP advertisement routes advertise the MAC addresses that can be reached through the VTEP.

- A. Yes
- B. No

Correct Answer: A

MAC/IP advertisement routes advertise the MAC addresses that can be reached through the VTEP is a correct description of routing information advertised by a VXLAN Tunnel Endpoint (VTEP) that uses EVPN. EVPN is a feature that provides control plane learning and signaling for VXLAN networks. MAC/IP advertisement routes are one of the types of routes that EVPN uses to advertise MAC and IP addresses of hosts connected to VTEPs<sup>2</sup>.

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