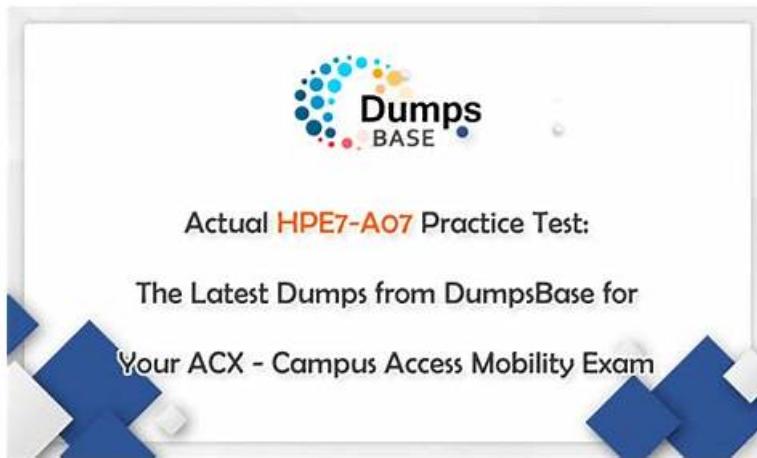


HPE7-A07 exam dumps



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HP HPE7-A07 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Performance Optimization: The Aruba Certified Campus Access Mobility Expert Written exam focuses on analyzing and remediating performance issues within a network. It measures the ability of a senior RF network engineer to fine-tune network operations for maximum efficiency and speed.
Topic 2	<ul style="list-style-type: none">Switching: Senior HP RF network engineers must demonstrate proficiency in implementing and troubleshooting Layer 23 switching, including broadcast domains and interconnection technologies. This ensures seamless and efficient data flow across network segments.
Topic 3	<ul style="list-style-type: none">Network Stack: This topic of the HP HPE7-A07 exam evaluates the ability of a senior HP RF network engineer to analyze and troubleshoot network solutions based on customer issues. Mastery of this ensures effective problem resolution in complex network environments.
Topic 4	<ul style="list-style-type: none">Connectivity: The topic covers developing configurations, applying advanced networking technologies, and identifying design flaws. It tests the skills of a senior HP RF network engineer in creating reliable, high-performing networks tailored to specific customer needs.
Topic 5	<ul style="list-style-type: none">Troubleshooting: This topic of the HP HPE7-A07 Exam assesses skills of a senior HP RF network engineer in troubleshooting. It also assesses the ability to remediate issues in campus networks. It is vital for ensuring network reliability and minimizing downtime in critical environments.

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HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q83-Q88):

NEW QUESTION # 83

A customer is running out of IP addresses in a network segment. What will happen if they add an additional IP subnet to the same VLAN?

- A. IGMP will not work in both of the subnets in the same VLAN
- B. Users can reach each other and establish PTP traffic without passing an L3 point in the same VLAN
- **C. Broadcasts for the two subnets will arrive on all ports in the same VLAN**
- D. This would result in a single SVI using two subinterfaces

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract of HPE Aruba Networking Switching:

On Aruba switches (AOS-CX/AOS-S), multiple IPv4 networks can be configured on the same VLAN interface (SVI) by assigning a primary address and one or more secondary addresses. The VLAN remains one Layer-2 broadcast domain; adding more IP subnets does not create subinterfaces and does not split the broadcast domain.

Exact extract:

* "A VLAN interface may be configured with a primary IP address and additional secondary IP addresses to host multiple subnets on the same Layer-2 broadcast domain."

* "A VLAN is a single broadcast domain. Broadcast and unknown unicast frames are flooded to all ports belonging to the VLAN."

* "Hosts in different IP subnets on the same VLAN still require Layer-3 routing to communicate; sharing the VLAN only means they share the same L2 broadcast domain." Therefore, when a second subnet is added to the same VLAN, broadcasts (ARP, DHCP, etc.) from devices in either subnet will be flooded to all member ports of that VLAN, making option C correct.

Options A (subinterfaces) are not used here; B is incorrect because inter-subnet traffic still needs routing; D is not categorically true—IGMP operates per VLAN with multicast routing configuration and is not inherently disabled by multiple subnets.

References of HPE Aruba Networking Switching documents or Study Guide:

* Aruba AOS-CX Interface and VLAN Configuration Guide - "Primary and secondary IP addressing on VLAN interfaces; VLANs as broadcast domains."

* Aruba AOS-CX Layer 2 Fundamentals - "Flooding behavior for broadcast/unknown frames within a VLAN."

* Aruba Campus Wired Design Fundamentals - "Multiple IP subnets on one VLAN and routing implications."

NEW QUESTION # 84

An OSPF router has learned a path to an external network by both an E1 and an E2 advertisement. Both routes have the same path cost. Which path will the router prefer?

- **A. The router will prefer the E1 path.**
- B. The router will use both paths equally utilizing ECMP.
- C. Both routes will be suppressed until the path conflict has been resolved.
- D. The router will prefer the E2 path.

Answer: A

Explanation:

In HPE Aruba Networking (AOS-CX and AOS-Switch) OSPF implementation, the routing behavior for external routes (Type 5 LSAs) distinguishes between two types of external advertisements:

* E1 (Type-1 external) - The total path cost is calculated as the sum of the internal cost to reach the ASBR (Autonomous System Boundary Router) plus the external cost as advertised in the LSA.

* E2 (Type-2 external) - The external cost is considered independent of the internal OSPF path cost to reach the ASBR. Thus, the metric used is only the external cost from the LSA.

When both an E1 and an E2 route exist to the same external destination, OSPF gives preference to the E1 route, regardless of metric values, because the E1 route represents a more accurate total cost to the destination (including internal OSPF cost).

Extract (as per HPE Aruba OSPF Technical Overview and AOS-CX Routing Guide):

"When both Type-1 (E1) and Type-2 (E2) external LSAs for the same destination are present, the router always prefers the Type-1 route. Type-1 routes include both internal and external costs in the total metric, while Type-2 routes use only the external cost. The E1 path is therefore considered more precise and is selected as the preferred route." This is consistent across Aruba's OSPF implementation and follows standard OSPF behavior as defined by the protocol (RFC 2328).

Therefore, when both E1 and E2 routes are available and have the same overall cost, the router will always prefer the E1 path. References:^{*} HPE Aruba Networking AOS-CX Routing Configuration Guide - OSPF External Route Preference (Section: OSPF External LSAs).^{*} HPE Aruba Certified Switching Professional (ACSP) Study Guide - OSPF Route Selection and External Type Behavior.^{*} HPE ArubaOS-Switch Management and Configuration Guide - OSPF External Route Types (E1 vs E2).

NEW QUESTION # 85

An ACME company employee complained about a recent poor-quality VoIP call while moving around their office environment. HPE Aruba Networking Central reported a fair UCC score for this call while your VoIP engineer reported that their systems reported a MOS of 2.3. The VoIP devices are operating over the 5GHz frequency band.

What are the possible contributing factors? (Select two.)

- A. The client roamed into an area that continuously operates Zigbee.
- B. Coverage AP deployment plans generally don't support enough cell overlap for VoIP.
- C. 802.1R is enabled in the WLAN Security settings.
- D. 802.1K is disabled in the WLAN Security settings
- E. There was localized interference at the caller's location

Answer: A,B

Explanation:

VoIP quality can be negatively impacted by insufficient cell overlap in AP deployment plans, which can cause poor handoffs between APs as a user moves around. This results in a degraded VoIP experience. Additionally, roaming into an area with continuous Zigbee operation can cause interference with the 5GHz frequency band, further contributing to poor VoIP call quality. The Zigbee communication protocol operates on the same frequency band as Wi-Fi and can introduce noise and interference, which leads to a reduced MOS score, as reported by the VoIP engineer.

NEW QUESTION # 86

in a WLAN network with a tunneled SSID. you see the following events in HPE Aruba Networking Central:

The customer asks you to investigate log messages. What should you tell them?

- A. This is normal, expected behavior. No further actions are needed.
- B. This indicates a security issue. The client with a MAC address ending with 37:18:0d is performing a Denial-of-Service attack on your network. You should track down the client and remove it from the network.
- C. This indicates a client WLAN driver issue for the client with a MAC address ending with 37:18:0d. You should upgrade the client WLAN driver.
- D. There is a roaming issue. Enable Fast Roaming 802.11r and OKC to resolve the issue.

Answer: A

Explanation:

The event log showing PMK (Pairwise Master Key) and OKC (Opportunistic Key Caching) key add/update and delete operations is indicative of normal client behavior in a WLAN environment. These events are part of the standard process for maintaining client session security and do not necessarily indicate any issue.

NEW QUESTION # 87

A customer is running out of IP addresses in a network segment. What will happen if they add an additional IP subnet to the same VLAN?

- A. IGMP will not work in both of the subnets in the same VLAN
- B. Users can reach each other and establish PTP traffic without passing an L3 point in the same VLAN
- C. Broadcasts for me two subnets will arrive on all ports in the same VLAN
- D. This would result in a single SVI using two subinterfaces.

Answer: B

Explanation:

Adding an additional IP subnet to the same VLAN means that devices configured with either subnet can communicate at Layer 2 without the need for routing. This is because they are on the same VLAN and thus in the same broadcast domain. However, to communicate between subnets, an L3 device or inter-VLAN routing would be required.

NEW QUESTION # 88

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