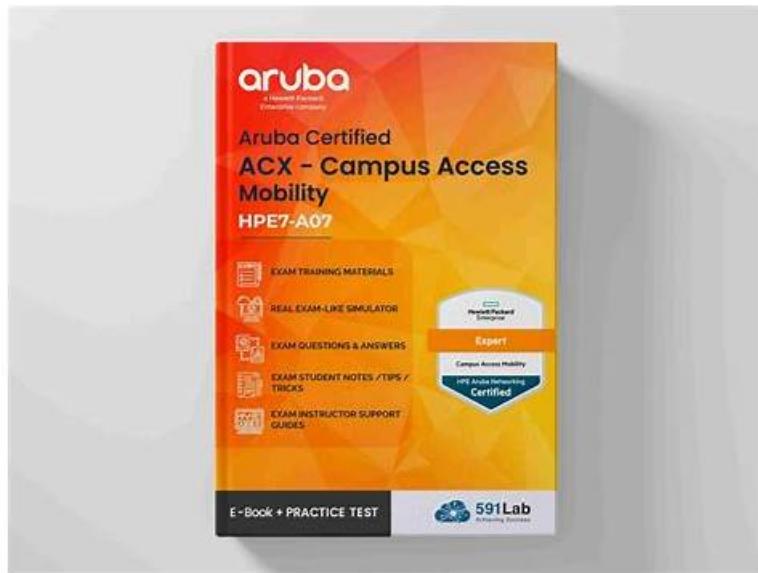


HP - HPE7-A07 - Pass-Sure Aruba Certified Campus Access Mobility Expert Written Exam Passing Score



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HP HPE7-A07 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Security: This topic evaluates the ability of a senior HP RF network engineer to design and troubleshoot security implementations, focusing on wireless SSID with EAP-TLS and GBP. It ensures the network is secure from unauthorized access and threats.
Topic 2	<ul style="list-style-type: none">Routing: This Aruba Certified Campus Access Mobility Expert Written exam section measures the ability to design and troubleshoot routing topologies and functions, ensuring that data efficiently navigates through complex networks, a key skill for HP solutions architects.
Topic 3	<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 4	<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 5	<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 6

- WLAN: This HP HPE7-A07 exam topic tests the ability of a senior RF network engineer to design and troubleshoot RF attributes and wireless functions. It also includes building and troubleshooting wireless configurations, critical for optimizing WLAN performance in enterprise environments.

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HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q19-Q24):

NEW QUESTION # 19

Refer to the exhibit.

You have recently implemented a VoWiFi solution with QoS, but users are experiencing poor call quality during busy periods.

Based on the output generated after some test calls, what change should you make to improve call quality?

- A. enable WMM for the SSID
- B. update ACLs
- C. disable AirSlice
- D. reconfigure DSCP mapping

Answer: D

Explanation:

The command output shows WMM transmit counters per access category on the AP:

* Tx WMM [BK] 56
* Tx WMM [BE] 35
* Tx WMM [VI] 200093
* Tx WMM [VO] 0

* Drops: BE Dropped 566, VO Dropped 3

In Aruba WLAN QoS, traffic is queued using WMM access categories mapped from 802.1p/DSCP/UP values:

* AC_VO (Voice) is for latency-sensitive voice; it should carry EF/DSCP 46 and UP 6.
* AC_VI (Video) is for video; it should not carry voice traffic.

The statistics show zero traffic in AC_VO and a very large amount in AC_VI during the test calls. This indicates that voice frames are being mapped to the Video access category instead of Voice, which reduces priority and increases contention-consistent with poor call quality during busy periods.

HPE Aruba documentation states:

* "Voice traffic (EF/46, UP 6) must be mapped to WMM Voice (AC_VO) to receive the highest priority."
* "Incorrect DSCP/UP-to-WMM mapping results in voice frames using lower-priority queues (e.g., AC_VI) and degraded call quality." Therefore, the corrective action is to reconfigure DSCP/UP-to-WMM mapping so that DSCP 46 (EF) maps to UP 6 # AC_VO on the SSID/user-role, ensuring voice traffic uses the proper Voice queue.

Why others are incorrect:

* B. enable WMM for the SSID - WMM is already active (WMM counters are present).
* C. disable AirSlice - Not indicated; issue is misclassification, not airtime reservation.
* D. update ACLs - ACLs don't fix QoS category mapping for voice marking.

References (HPE Aruba official guides):

* Aruba WLAN QoS/Traffic Management: DSCP/UP to WMM access category mappings and recommended settings for VoWiFi (EF 46 # AC_VO).
* Aruba Mobility and AOS 10 QoS configuration: user-role/SSID QoS mapping behavior and WMM queue operation.

NEW QUESTION # 20

A university owns a campus with several buildings segmented into east and west wings, which are L3 separated. The east wing has 1600 APs, and the west wing has 1200 APs. Each wing has a single gateway cluster managed by HPE Aruba Networking Central. Each cluster contains one 7210 mobility gateway. The gateways are configured with DHCP relay and route all client VLANs. A new business-critical faculty real-time application requires users to roam within wings but not across wings without disconnections or delay increments.

Which changes must the network administrator make to successfully meet the requirement without performance degradation matching best practices? (Select two.)

- A. Replace the 7210 mobility gateway in the west wing with a pair of 7030 mobility gateways.
- B. Remove the DHCP relay from the gateways and enable the DHCP server instead
- **C. Add a single 7210 mobility gateway to each cluster.**
- D. Replace the 7210 mobility gateway in the east wing with a pair of 9012 mobility gateways
- **E. Run L2 for all SSIDs and permit the users' VLANs in the gateway's uplinks.**

Answer: C,E

Explanation:

To support a business-critical faculty real-time application that requires seamless roaming within wings without cross-wing roaming, it's essential to ensure high availability and sufficient capacity. Adding an additional 7210 mobility gateway to each cluster would provide the required redundancy and capacity.

Running L2 for all SSIDs and permitting user VLANs on gateway uplinks would facilitate the necessary traffic flow without L3 segmentation issues, thus supporting seamless roaming within each wing.

NEW QUESTION # 21

A customer is starting to test AAA on their edge switch interfaces. The client device support team is concerned about clients being denied access to the network due to mistakes in configuration or reachability to the authentication servers.

What should be enabled to address the concerns of the client device support team? (Select two)

- A. Configure onboarding-method concurrent
- B. Configure port-access radius-override
- **C. Configure the critical role**
- D. Configure auth-mode multi-device
- **E. Configure the fallback role**

Answer: C,E

Explanation:

Comprehensive and Detailed Explanation (Verified Extract from HPE Aruba Networking Switching Documentation) When implementing AAA (Authentication, Authorization, and Accounting) on Aruba CX switches, there are mechanisms to ensure that end-user devices maintain basic network connectivity even if authentication fails due to server unreachability or configuration errors.

Two key mechanisms address this concern:

1. Critical Role

The critical role defines the local role that is automatically applied to a port or user session when:

- * The authentication server is unreachable, or
- * The authentication process cannot be completed due to network errors.

This ensures that endpoints (clients) can still obtain limited or temporary access to the network (for example, DHCP and DNS access) even when RADIUS is unavailable.

ArubaOS-CX Extract:

"When AAA authentication fails due to the RADIUS server being unreachable, the switch assigns the critical- role to the client, allowing limited access to the network until connectivity to the server is restored."

2. Fallback Role

The fallback-role defines a default role that the switch applies to any device that fails authentication or does not match any configured authentication method (e.g., device profiling, MAC-auth, or 802.1X).

In lab or early deployment scenarios, this role provides baseline network access for devices that fail authentication but should not be entirely blocked.

ArubaOS-CX Extract:

"The fallback role allows clients that do not match any authentication or profiling method to obtain a defined level of access instead of being denied network connectivity." Option Analysis:

- * A. Configure onboarding-method concurrent # Used to enable multiple onboarding methods (802.1 X, MAC-auth, device profiling) concurrently; does not prevent network denial.
- * B. Configure the critical role # Correct. Ensures connectivity when AAA servers are unreachable.
- * C. Configure auth-mode multi-device # Controls how multiple clients share a port; unrelated to AAA fallback behavior.
- * D. Configure the fallback role # Correct. Provides network access to unauthenticated or failed-auth clients.
- * E. Configure port-access radius-override # Allows RADIUS to override local roles or VLANs; does not address reachability or failure handling.

Final Verified Answers: B, D

Reference Sources (HPE Aruba Official Materials):

- * Aruba AOS-CX Security and Access Configuration Guide - Port Access, AAA, and Roles
- * Aruba Certified Switching Professional (ACSP) Study Guide - AAA and Authentication Failover
- * ArubaOS-CX Fundamentals Guide - Critical and Fallback Role Configuration

NEW QUESTION # 22

An AOS 10 multi-site deployment has sites with AP-only bridged SSIDs and other sites with APs and gateways operating tunneled SSIDs. Client session state sync errors exist between secure lab environments and public-facing areas at several sites.

What is causing the issues?

- A. The affected clients are associated with an SSID with 11r and 11k disabled.
- B. The sites with issues are the AP-only deployments because the connection to HPE Aruba Networking Central is interrupted
- **C. The sites with issues are the overlay AP with gateway sites because the connection to HPE Aruba Networking central is interrupted**
- D. The DTLS connections are down between APs in the lab and APs in public areas

Answer: C

Explanation:

In a multi-site deployment with a mix of bridged and tunneled SSIDs, if there are session sync errors between different areas, it could be due to connectivity issues with the central management platform, which in the case of Aruba, is likely HPE Aruba Networking Central. This interruption could cause inconsistencies in session states across the network.

NEW QUESTION # 23

An administrator is creating a fabric with NetConductor in HPE Aruba Networking Central. Considering an EVPN VXLAN fabric, click on the most appropriate layer to be configured as a Route-Reflector Persona.

Answer:

Explanation:

Explanation:

In the context of an EVPN VXLAN fabric, the Route-Reflector Persona is most appropriately configured at the Services Aggregation layer. This layer is responsible for interconnecting different network services and typically includes more robust, higher-capacity devices capable of handling the route-reflection functions for EVPN VXLAN.

In an Aruba Networks fabric, route reflectors are used to optimize the distribution of BGP routes. The Services Aggregation layer, which is centrally located in the network topology, is best suited for this role due to its high availability and ability to efficiently manage routes between the core and access layers.

Therefore, if you were to click on the image provided, you would select the Services Aggregation layer to configure the Route-Reflector Persona.

NEW QUESTION # 24

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