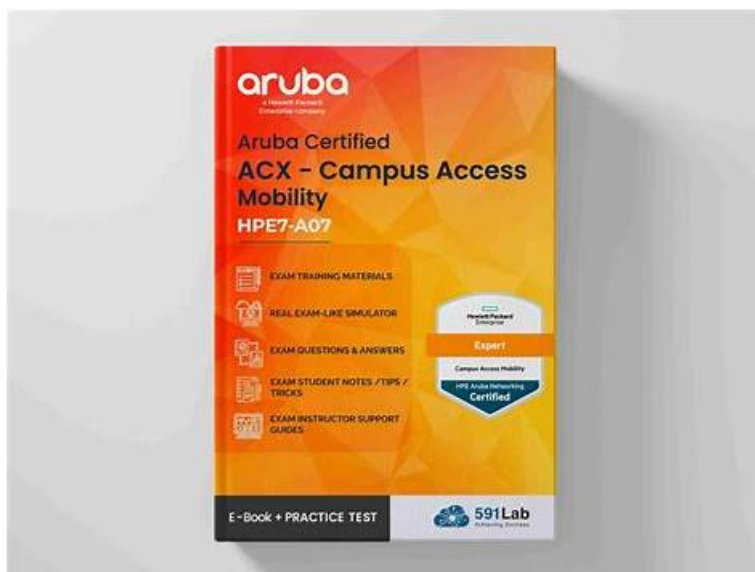


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HP HPE7-A07 Exam Syllabus Topics:

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">AuthenticationAuthorization: Senior HP RF network engineers are tested on their skills in designing and troubleshooting AAA configurations, including ClearPass integration. This ensures that network access is securely managed according to the customer's requirements.
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">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 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.

Topic 6	<ul style="list-style-type: none"> • Network Resiliency and Virtualization: This section of the Aruba Certified Campus Access Mobility Expert Written exam assesses the expertise of a senior HP RF network engineer in designing and troubleshooting mechanisms for resiliency, redundancy, and fault tolerance. It is crucial for maintaining uninterrupted network services.
Topic 7	<ul style="list-style-type: none"> • 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.
Topic 8	<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 9	<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.

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HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q48-Q53):

NEW QUESTION # 48

What is the recommended configuration to ensure link aggregation is consistent in a campus topology using VSX with two aggregation switches and downlinks to access switches?

- A. Use the command "vsx-sync mclag-interfaces" from the global context.
- B. Use a custom LACP hash algorithm for improved load balancing.
- C. Use the command "vsx-sync active-gateways" under the VSX context.
- **D. Use the command "vsx-sync mclag-interfaces" under the VSX context.**

Answer: D

Explanation:

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

The VSX synchronization feature provides per-feature synchronization from the primary to the secondary VSX peer. For multi-chassis LAGs (MC-LAGs), the command that ensures both VSX peers maintain consistent LAG interface associations and attributes is entered under the VSX configuration context:

* Command syntax: vsx-sync mclag-interfaces

* Command context: config-vsx

Description (extract): Enables VSX synchronization of VSX LAG interface associations and attributes from the primary VSX switch to the secondary peer switch.

In a campus design with two aggregation switches in a VSX pair and access switches dual-homed using MC- LAG, enabling vsx-sync mclag-interfaces under the VSX context ensures consistent LAG membership, attributes, and behavior across the pair-avoiding configuration drift and aggregation inconsistencies.

References:* ArubaOS-CX VSX Command Reference; "vsx-sync mclag-interfaces" (syntax, command context, and description).* Aruba Campus Switching Best Practices with VSX; MC-LAG consistency and VSX feature synchronization guidelines.

NEW QUESTION # 49

Which option shows the correct Bandwidth Control for 1024 kbpsdown and 2048 Kops up for the SSID?

Bandwidth Control

Airtime:

Downstream: 1024 kbps ☒ Per User

Upstream: 2048 kbps ☒ Per User

- A.
- B.

Access rules

Rule Type: Bandwidth Contract

Service: hp

Downstream: 2048 Kbps ☒ Per User

Upstream: 2048 Kbps ☒ Per User

Cancel OK

- C.

Access rules

Rule Type: Bandwidth Contract

Service: hp

Downstream: 1024 Kbps ☐ Per User

Upstream: 2048 Kbps ☐ Per User

Cancel OK

- D.

Access rules

Rule Type: Bandwidth Contract

Service: hp

Downstream: 10 Kbps ☐ Per User

Upstream: 10 Kbps ☐ Per User

Cancel OK

Answer: A

Explanation:

The correct Bandwidth Control settings for 1024 Kbps down and 2048 Kbps up for the SSID are shown in Option D. In Option D, the downstream is set at 1024 Kbps and the upstream at 2048 Kbps, both configured per user, which matches the requested configuration. This setup ensures that each user has a guaranteed bandwidth allocation of the specified rates when connected to the SSID, providing a controlled and predictable user experience.

NEW QUESTION # 50

Your customer recently decided to build a new wireless network based on AOS-10. The following legacy settings still exist:

* The DHCP server still sends option 60 "ArubaInstantAP" and option 43 including the IP address of the AirWave server in the ZTP VLAN.

* The DNS server has an entry for "aruba-airwave" pointing to the AirWave server.

The customer purchased new AP-655 access points and HPE Aruba Networking Central subscriptions.

Each AP is assigned to the "ACX-Group" in the Device Pre-provisioning section of Central, and the external firewall allows HTTPS traffic between APs and the Internet.

What will happen when the new factory default APs are connected to the customer's network for the first time?

- A. The new APs will contact the IP address of AirWave from DHCP option 43
- B. The new APs will contact the IP address of AirWave learned from the DNS entry "aruba-airwave"
- C. The new APs will contact the cloud and will be pointed to the IP address of AirWave
- D. The new APs will contact the cloud and get the "ACX-Group" configuration in HPE Aruba Networking Central

Answer: D

NEW QUESTION # 51

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

Answer: B

Explanation:

* In AOS-10, client session/state synchronization for seamless roaming relies on a secure DTLS control channel between the devices that hold client state.

* In AP-only (bridged) sites, APs synchronize session/PMK state AP-to-AP over DTLS within the site.

* In tunneled SSID sites, the gateway cluster synchronizes client state among its members; APs still maintain DTLS control sessions for coordination.

* If security boundaries (e.g., firewall rules separating lab and public areas) block DTLS between those APs/segments, session state cannot sync, and the system reports state-sync errors, exactly as observed.

* This is independent of Central connectivity and not caused by 11r/11k being disabled; the error specifically indicates control-plane (DTLS) reachability problems between the APs in those areas.

References: Aruba AOS-10 Multi-Site and Roaming design guidance-DTLS control connections required for client session/state synchronization across APs and between APs and gateways.

NEW QUESTION # 52

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

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).

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