

100% Pass Quiz 2026 HPE7-A07: Newest Latest Real Aruba Certified Campus Access Mobility Expert Written Exam Exam



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HP HPE7-A07 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<ul style="list-style-type: none"> • Authentication • Authorization: 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"> • 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 4	<ul style="list-style-type: none"> • Switching: Senior HP RF network engineers must demonstrate proficiency in implementing and troubleshooting Layer 2 • 3 switching, including broadcast domains and interconnection technologies. This ensures seamless and efficient data flow across network segments.
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	<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 7	<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.

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HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q111-Q116):

NEW QUESTION # 111

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

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 # 112

What directly affects the MCS used by wireless stations? (Select two.)

- A. Channel utilization
- B. Number of connected clients

- C. Frequency band
- **D. Retry rate**
- **E. SNR**

Answer: D,E

Explanation:

Comprehensive and Detailed Explanation (Verified Extract from HPE Aruba Networking Wireless Documentation) The Modulation and Coding Scheme (MCS) determines the data rate that a wireless station uses to transmit or receive data frames. The MCS index selection depends primarily on the signal quality and error conditions observed on the wireless link.

Two factors have a direct and measurable influence:

1. Signal-to-Noise Ratio (SNR)

A higher SNR means better signal quality and less interference, allowing the station to use higher-order modulations (e.g., 64-QAM, 256-QAM, 1024-QAM) corresponding to higher MCS indexes.

When SNR decreases, the client dynamically reduces its MCS rate to maintain reliability.

"Stations dynamically select the highest MCS index that the current SNR can support to maintain an acceptable frame error rate."

2. Retry Rate

The retry rate reflects retransmissions due to poor frame reception. A high retry rate indicates a high error rate, prompting the station to step down to a lower MCS to improve link stability.

"If retransmissions increase, the MCS rate is reduced until the error rate stabilizes." Other Options Explanation:

- * B. Channel utilization: affects airtime efficiency but not MCS selection directly.
- * C. Number of connected clients: impacts contention and throughput, not MCS per station.
- * E. Frequency band: influences propagation and SNR indirectly but does not directly control MCS selection.

Final Verified Answers: A and D

Reference Sources (HPE Aruba Official Materials):

- * Aruba Wi-Fi 6/6E Radio Optimization Guide - Rate Adaptation and MCS Selection
- * Aruba Certified Mobility Professional (ACMP) Study Guide - Radio Performance and RF Optimization
- * Aruba WLAN Design Fundamentals - SNR, RSSI, and Rate Adaptation Mechanisms

NEW QUESTION # 113

You want to configure an MTU of 9198 for a routed lag interface on a CX 6300 switch. Which configuration achieves this?

- A.
- B.
- C.
- **D.**

Answer: D

Explanation:

In the context of ArubaOS-CX, particularly with the 6300 series switches, setting the MTU on a routed Link Aggregation Group (LAG) interface requires the interface lag id command in the configuration, specifying the LAG interface you're configuring. The ip mtu command is then used to set the desired MTU size for that LAG. Option A correctly shows this configuration process, where the MTU is set to 9198 for the LAG interface, in line with the requirements for routing larger frames, which could be necessary for certain applications or data flows that require jumbo frames.

The information related to the configuration of Aruba switches is consistent with the principles and guidelines found in the technical documentation for the ArubaOS-CX 6300 series switches, which emphasizes the importance of correct MTU settings for network performance and stability.

NEW QUESTION # 114

Based on the output above, what is required to associate the GBP policy with a user role?

- A. Update the port-access GBP policies to reference the EMPLOYEE role
- **B. Configure a user role called GBP-EMPLOYEE instead of EMPLOYEE**
- C. Update the entries in the class maps to reference the EMPLOYEE role
- D. Associate the port-access role to the GBP role using the role ID

Answer: B

Explanation:

In HPE Aruba Networking (AOS-CX and ArubaOS-S), Group-Based Policy (GBP) provides policy- based segmentation between roles by defining source and destination roles within the GBP configuration.

These policies are defined using GBP classes, policies, and roles that determine how traffic between different user groups is handled. From the configuration snippet shown in the exhibit, the following GBP policies and roles are defined:

```
class gbp-ip GBP-EMPLOYEE
class gbp-ip GBP-CONTRACTOR
port-access gbp GBP-EMPLOYEE
port-access gbp GBP-CONTRACTOR
```

When the command

```
Edge-1(config-pa-role)# associate gbp GBP-EMPLOYEE
```

is executed, the error message appears:

"The destination role in one or more classes of the policy does not match the role to which the policy is being associated to. % Command failed." This message clearly indicates that the role being associated (EMPLOYEE) does not match the destination role name defined in the GBP policy (GBP-EMPLOYEE).

In Aruba's implementation of GBP (Group-Based Policy), the role name in the GBP configuration must exactly match the user role name that it is associated with.

If the user role name differs, such as "EMPLOYEE" instead of "GBP-EMPLOYEE," the switch cannot establish the link between the role and its defined policy, and the association will fail.

HPE Aruba Official Explanation (Extracted from ArubaOS-S and AOS-CX Configuration Guide):

"The GBP role name must match the user role name exactly when associating a GBP policy with a port- access role.

If the configured GBP role name does not correspond to the user role name, the association will fail, and the system will generate a mismatch error." Therefore, in this scenario, the role EMPLOYEE should be renamed or recreated as GBP-EMPLOYEE so that the GBP policy association succeeds.

Option Analysis:

* A. Configure a user role called GBP-EMPLOYEE instead of EMPLOYEE - Correct. The role name must match the GBP role name exactly. This resolves the mismatch error.

* B. Associate the port-access role to the GBP role using the role ID - Incorrect. GBP does not use role IDs; it uses role names for matching and association.

* C. Update the port-access GBP policies to reference the EMPLOYEE role - Incorrect. GBP policy definitions cannot be dynamically modified in this manner. The correct fix is to align role naming.

* D. Update the entries in the class maps to reference the EMPLOYEE role - Incorrect. The class map references traffic classification, not the association of user roles.

Final Verified answer: A

Reference Sources (HPE Aruba Official Materials):

* ArubaOS-S 16.x Security Configuration Guide - Group-Based Policy (GBP) Roles and Policies

* ArubaOS-CX 10.x Advanced Traffic Management and Policy Enforcement Guide

* HPE Aruba Certified Switching Professional (ACSP) Study Guide - Role-Based Access Control and GBP Association

NEW QUESTION # 115

You created a new SSID with the security settings shown in the exhibit.

Some, but not all users complain that client devices are unable to connect to this SSID. What is the reason for this?

- A. The primary servers shared key differs from the shared key configured for this server on HPE Aruba Networking Central.
- B. WPA3 Enterprise is not backward compatible with WPA2 Enterprise.
- C. The WPA3 Enterprise GCM-256 mode does not support transition mode.
- **D. MAC authentication after a failed 802.1X authentication is not possible as the option "MAC Authentication Fall-Through" is disabled.**

Answer: D

Explanation:

If some users are unable to connect to an SSID configured with WPA3-Enterprise GCM-256, and the "MAC Authentication Fall-Through" is disabled, it means that devices which fail 802.1X authentication will not attempt MAC authentication. If these client devices are configured to use MAC authentication as a backup method, they will fail to connect, explaining the issue faced by some users.

NEW QUESTION # 116

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