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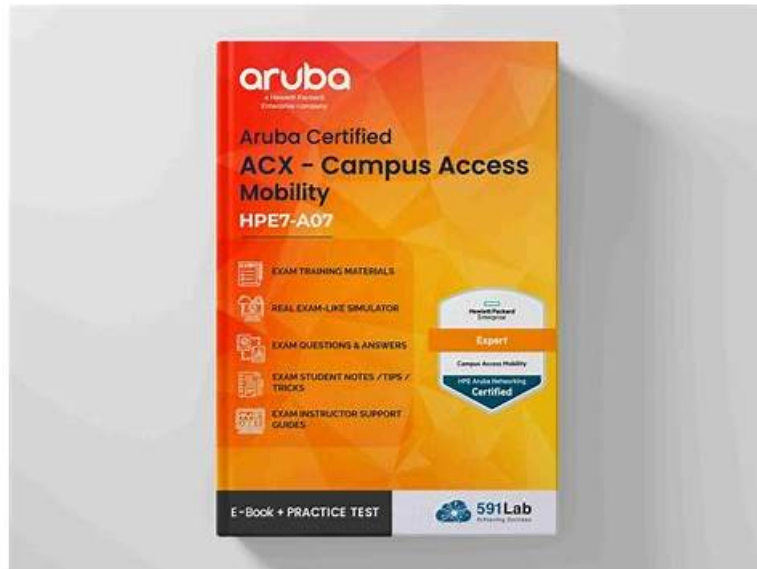
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HP HPE7-A07 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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 3	• 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 4	• 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 5	• 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 6	• 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.

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HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q93-Q98):

NEW QUESTION # 93
Exhibit.

A university runs its own TV station in the city The IT department deploys a multimedia server so the TV productions can be sent out to the entire campus over the IP network using multicast-based communications in order to improve the bandwidth consumption. PIM sparse Mode and IGMP snooping features are enabled.
When wireless users join the multicast groups, all users connected to the same WLAN experience poor network performance. However, wired users are not affected in this way While troubleshooting the network administrator saves the packet captures shown in the exhibit and concludes that all users even those not joining the multicast group, receive the same multicast flow at slow speeds. Which features should the network administrator enable to fix the problem?

- A. Dynamic Multicast Optimization and UCC QoS correction
- B. Dynamic Multicast Optimization and Multicast Transmission Optimization
- C. ARP broadcast conversion into unicast and Multicast Transmission Optimization
- D. UCC QoS correction and Multicast Transmission Optimization

Answer: B

Explanation:
Dynamic Multicast Optimization (DMO) and Multicast Transmission Optimization are features that can help address issues with multicast traffic in wireless environments. DMO optimizes the way multicast traffic is transmitted over the air by converting multicast streams into unicast streams to the clients that need them. This reduces unnecessary traffic for clients that have not subscribed to the multicast group and can improve overall network performance. Multicast Transmission Optimization adjusts the transmission rate of multicast frames to ensure they are sent at optimal speeds, addressing the issue of multicast flow being received at slow speeds by all users.

NEW QUESTION # 94
Match each Group Based Policy(GBP) rote description to its respective role ID.

Answer:

Explanation:
Explanation:
default GBP role =GBP role ID = 0infrastructure GBP role =GBP role ID = 2user-defined GBP role =GBP role ID = <100-8191>

NEW QUESTION # 95
Refer to the exhibit.

Which statement is true?

- A. The client performed passive scanning
- B. The client is failing 802.1X authentication
- C. The client is using BSS Fast Transition
- D. The client used an incorrect passphrase

Answer: B

Explanation:
The exhibit shows a series of 802.1X authentication steps with multiple "Deauthentication" frames, which indicate that the client is not successfully completing the authentication process. Since the frames show repeated attempts at authentication followed by deauthentication, this suggests that the client is failing the
802.1X authentication process, which is required for network access in a WPA2/WPA3-Enterprise security environment.

NEW QUESTION # 96
A customer is planning to add IoT devices that connect wirelessly to the existing 802.1X SSID. The customer will use HPE Aruba Networking ClearPass to authenticate the IoT devices by MAC address but other devices will still need to authenticate by only 802.1X.
Refer to the exhibit.

The customer provided the current configuration and reported their non-IoT 802.1X devices are no longer able to connect. Which configuration change can be made to fix the issue?

- A. Add l2-auth-failthrough to the WLAN configuration
- B. Modify max-authentication failures to 0
- C. Remove mac-authentication from the WLAN configuration
- D. Modify opmode wpa3-aes-gcm-256 to opmode wpa2-aes

Answer: A

Explanation:
In ArubaOS WLAN SSID profiles, the command mac-authentication enables MAC-based authentication on the SSID. When MAC authentication is enabled and l2-auth-failthrough is not configured, the AP treats MAC authentication as the decisive Layer-2 method: if the MAC check does not return an accept, the client is not allowed to proceed to another Layer-2 method (such as 802.1X). Aruba documentation states that l2-auth- failthrough allows a client to fall through to the next Layer-2 authentication method when the first method fails or is not matched.
Therefore, with IoT devices using MAC authentication and non-IoT devices using 802.1X on the same SSID, you must enable l2-auth-failthrough so that clients that do not match MAC authentication are allowed to attempt 802.1X.
* mac-authentication: enables MAC-auth on the SSID.
* l2-auth-failthrough: permits clients to continue to 802.1X when MAC-auth is not accepted.
* Changing opmode (WPA2 vs WPA3) or max-authentication-failures does not resolve the Layer-2 method selection behavior.
* Removing mac-authentication would prevent the IoT MAC-auth use case.
References (HPE Aruba Networking official guides):
* ArubaOS WLAN SSID Profile-Layer-2 Authentication Methods: mac-authentication and l2-auth- failthrough behavior and sequencing.
* Aruba ClearPass and ArubaOS Integration-MAC Authentication with 802.1X coexistence on a single SSID using fail-through.

NEW QUESTION # 97
Which command would allow you to verify receipt of a CoA (Change of Authorization) message on an AOS-10 Gateway?

- A. packet-capture interprocess udp 3799
- B. tcpdump host-port 3576
- C. packet-capture controlpath udp 3799
- D. diag utilities tcpdump host-port 3576

Answer: C

Explanation:
Comprehensive and Detailed Explanation (Verified Extract from HPE Aruba Networking AOS-10 Gateway Documentation) The

Change of Authorization (CoA) message is a RADIUS-based control packet typically sent by ClearPass Policy Manager or another RADIUS server to modify client authorization dynamically after authentication.

In ArubaOS 10, CoA and Disconnect-Request (DM) messages use UDP port 3799 and are received on the control path of the gateway, not the datapath.

HPE Aruba AOS-10 documentation specifies:

"Use the command packet-capture controlpath udp 3799 on the gateway to verify that CoA packets are being received and processed on the control plane."

"The controlpath capture displays inbound CoA or DM messages received from RADIUS servers such as ClearPass." Command breakdown:

packet-capture controlpath udp 3799

* controlpath # Captures control-plane traffic (used for management protocols like RADIUS, CoA, CAPWAP, etc.)

* udp 3799 # Filters only CoA/DM packets

Why Others Are Incorrect:

* A. interprocess captures internal gateway processes, not RADIUS packets.

* C. diag utilities tcpdump is used in AOS 8.x, not AOS 10.

* D. tcpdump host-port 3576 uses the wrong port; CoA uses UDP 3799, not 3576 (which is for standard RADIUS authentication).

Final Verified answer: B. packet-capture controlpath udp 3799

Reference Sources (HPE Aruba Official Materials):

* Aruba AOS-10 Gateway Troubleshooting Guide - Control Path Packet Capture Commands

* Aruba ClearPass and AOS Integration Guide - RADIUS CoA Port (UDP 3799)

* Aruba Certified Mobility Professional (ACMP) Study Guide - CoA and Disconnect Message Verification

NEW QUESTION # 98

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