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HP HPE7-A07 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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 4	<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 5	<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.

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HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q95-Q100):

NEW QUESTION # 95

Match each Group Based Policy (GBP) role description to its respective role ID.

Answer:

Explanation:

□ Explanation:

□ In HPE Aruba Networking (AOS-CX and ArubaOS-Switch) platforms that support Group Based Policy (GBP), roles are assigned using Group Role IDs (GRIDs), which determine the level of trust and policy association for devices and endpoints within the network.

According to the ArubaOS-CX Group Based Policy Configuration Guide, the GBP role IDs are categorized as follows:

* Default GBP role (ID = 0): This is the system default role assigned to any endpoint or user that has not been explicitly assigned a specific policy role. It typically allows limited or basic access as defined by default policies.

* Infrastructure GBP role (ID = 2): This role is reserved for infrastructure devices such as gateways, controllers, or core switches. It ensures that infrastructure traffic (such as control-plane or management communication) is allowed regardless of user-level GBP restrictions.

* User-defined GBP role (ID range = 100-8191): These are custom roles configured by administrators for specific groups of users, devices, or applications. Administrators can define unique security and QoS policies tied to these IDs.

Extract from HPE Aruba Documentation:

"The GBP role IDs 0-99 are reserved by the system. Role ID 0 represents the default group role. Role ID 2 is reserved for infrastructure communication. User-defined roles must be configured within the range 100-8191."

This configuration ensures consistent and predictable policy behavior across multi-tier Aruba environments, maintaining separation between user, system, and infrastructure traffic classes.

References: * HPE Aruba Networking AOS-CX Group Based Policy Configuration Guide - Section: GBP Role and Role ID Definitions. * HPE Aruba Certified Switching Professional (ACSP) Official Study Guide - Group Based Policy Roles and Role ID Allocation Table. * HPE ArubaOS-CX System Configuration Fundamentals - Policy and Security Roles Overview.

NEW QUESTION # 96

Exhibit.

You updated your gateway to the most recent firmware. However, after the firmware was updated, the gateway could no longer connect to HPE Aruba Networking Central. Your corporate ITIL procedures require you to implement your backout plan. You connected a console cable to your gateway and saw the following prompt.

Cpxload#

In what order, do you need to execute the following commands to return to the previous firmware version?

Answer:

Explanation:

Explanation:

The sequence to return to the previous firmware version after an unsuccessful update would typically be:

hit any key to stop autoboot (This would prevent the system from automatically booting into the current, problematic firmware.)

def _part 1 (This command sets the default boot partition, which is likely where the previous working firmware is located.) bootf (This command would boot from the specified flash partition, which after the second step, would be the previous firmware.) osinfo (After the system is booted, this command could be used to confirm the firmware version now running on the gateway.)

NEW QUESTION # 97

You are deploying a new AOS-10 mobility gateway cluster. Due to customer requirements, the gateways must be configured with static IP addresses and are restricted from communicating using port 443 to any URLs except for *.central.arubanetworks.com. How would you onboard these gateways successfully into HPE Aruba Networking Central?

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

Answer: E

Explanation:

Scenario Breakdown

* Static IP addressing is required # DHCP and ZTP are not options.

* Port 443 is restricted # The gateway cannot reach any activation service except for *.central.arubanetworks.com.

* Therefore, the gateway must be manually provisioned (no DHCP option 43 or Activate redirect).

In this case, the correct workflow for AOS-10 gateway onboarding is "Static Activate and Configure", which allows manual definition of:

* Controller VLAN

* Uplink port

* IP address

* Default gateway

* DNS IP address

These parameters enable the gateway to connect directly to Aruba Central using HTTPS (port 443) for registration.

Aruba Official Reference Extract

From the ArubaOS 10.4 Gateway Onboarding and Provisioning Guide:

"When gateways cannot use DHCP or Activate for ZTP, use the Static Activate and Configure option.

Administrators must manually configure network settings (uplink interface, IP, default gateway, and DNS) so that the gateway can reach *.central.arubanetworks.com on TCP 443."

"Full Setup and Configure is used only in isolated networks without Central connectivity, where manual country code, FQDN, and role definitions are required before Central connection." Why the Correct Option is A

* Option A lists the fields under "Static Activate and Configure", which match Aruba's documented static onboarding procedure.

* This mode is specifically for restricted environments where port 443 access is limited only to Aruba Central, exactly as described in the question.

Why Other Options Are Incorrect

Option

Why Incorrect

B

"Full Setup and Configure" expects broader configuration including country code, role, and ACP FQDN - used for isolated systems, not Central onboarding.

C

Mixes parameters incorrectly (controller VLAN in "Full Setup") - not a valid documented onboarding mode.

D

Reverses configuration modes - "Static Activate" should have basic network info, not full setup parameters.

Final Verified answer: A

Reference Sources (HPE Aruba Official Materials):

- * Aruba AOS-10 Mobility Gateway Deployment Guide - Static Activate and Configure Procedure
- * Aruba Central Device Onboarding Technical Guide - Restricted HTTPS Access Environments
- * Aruba Certified Mobility Professional (ACMP) Study Guide - Gateway ZTP and Static Activation Methods

NEW QUESTION # 98

You are deploying a new AOS 10 mobility gateway cluster. Due to customer requirements, the gateways must be configured with static IP addresses and are restricted from communicating using port 443 to any URLs except for "central.arubanetworks.com". How would you onboard these gateways successfully into HPE Aruba Networking Central?

- A. ☐
- B. ☐
- C. ☒
- D. ☐

Answer: C

Explanation:

Option A includes all necessary steps for a full setup of an AOS 10 mobility gateway cluster, including setting the system name, switch role, ACP FQDN address, uplink port information, IP address and default gateway, DNS IP address, controller country code, timezone and clock, and admin password. Since the gateways must have static IP addresses and can only communicate on port 443 for a specific URL, this configuration would need to allow for static IP configuration and restrict communication to the required URL.

NEW QUESTION # 99

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 DTLS connections are down between APs in the lab and APs in public areas.
- D. The sites with issues are the overlay AP with gateway sites because the connection to HPE Aruba Networking Central is interrupted.

Answer: C

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.

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