

# Detail HPE7-A02 Explanation - Interactive HPE7-A02 Testing Engine

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## HP Aruba Certified Network Security Professional - HPE7-A02 Free Exam Questions

**QUESTION NO: 21**  
A company issues user certificates to domain computers using its Windows CA and the default user certificate template. You have set up HPE Aruba Networking ClearPass Policy Manager (CPPM) to authenticate 802.1X clients with those certificates. However, during tests, you receive an error that authentication has failed because the usernames do not exist in the authentication source. What is one way to fix this issue and enable clients to successfully authenticate with certificates?

A. Configure rules to strip the domain name from the username.  
 B. Change the authentication method list to include both PEAP-MSCHAPV2 and EAP-TLS.  
 C. Add the ClearPass Onboard local repository to the authentication source list.  
 D. Remove EAP-TLS from the authentication method list and add TEAP there instead.

**Correct Answer:** A

To fix the issue where authentication fails because the usernames do not exist in the authentication source, you can configure rules in HPE Aruba Networking ClearPass Policy Manager (CPPM) to strip the domain name from the username. When certificates are issued by a Windows CA, the username in the certificate often includes the domain (e.g., user@domain.com). ClearPass might not be able to find this format in the authentication source. By stripping the domain name, you ensure that ClearPass searches for just the username (e.g., user) in the authentication source, allowing successful authentication.

**QUESTION NO: 22**  
You are deploying a virtual Data Collector for use with HPE Aruba Networking ClearPass Device Insight (CDI). You have identified VLAN 101 in the data center as the VLAN to which the Data Collector should connect to receive its IP address and connect to HPE Aruba Networking Central. Which Data Collector virtual ports should you tell the virtual adapter to connect to VLAN 101?

A. The one with the lowest MAC address  
 B. The one with the highest port ID  
 C. The one with the highest MAC address  
 D. The one with the lowest port ID

**Correct Answer:** D

When deploying a virtual Data Collector for HPE Aruba Networking ClearPass Device Insight (CDI), it is essential to ensure that the correct virtual port is connected to the designated VLAN. In this case, VLAN 101 is used to receive the IP address and connect to Aruba Central. The best practice is to use the virtual port with the lowest port ID. This is typically the primary port used for management and network connectivity in virtual environments, ensuring proper network integration and communication.

**QUESTION NO: 23**  
You need to set up an HPE Aruba Networking VIA solution for a customer who needs to support 2100 remote employees. The customer has downloaded their VIA connection profile from the VNIC. Only employees who authenticate with their domain credentials to HPE Aruba Network Manager (CPNM) should be able to download the profile. (A RADIUS server group for CPPM is already set up on the VNIC.) How do you configure the VNIC to enforce that requirement?

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## **HP Aruba Certified Network Security Professional Exam Sample Questions (Q74-Q79):**

### **NEW QUESTION # 74**

A company is using HPE Aruba Networking Central SD-WAN Orchestrator to establish a hub-spoke VPN between branch gateways (BGWs) at 1444 site and VPNCs at multiple data centers.

What is part of the configuration that admins need to complete?

- A. In VPNCs' groups, establish VPN pools to control which branches connect to which VPNCs.
- B. In BGWs' and VPNCs' groups, create default IKE policies for the SD-WAN Orchestrator to use.
- **C. In BGWs' groups, select the VPNCs to which to connect in a DC preference list.**
- D. At the global level, create default IPsec policies for the SD-WAN Orchestrator to use.

### **Answer: C**

Explanation:

When using HPE Aruba Networking Central SD-WAN Orchestrator to establish a hub-spoke VPN between branch gateways (BGWs) and VPN concentrators (VPNCs) at multiple data centers, admins need to configure the BGWs' groups by selecting the VPNCs to which they should connect in a Data Center (DC) preference list. This configuration ensures that branch gateways are properly directed to the preferred VPN concentrators, optimizing the hub-spoke VPN topology.

1. DC Preference List: This list allows administrators to prioritize which data center VPNCs the BGWs should connect to, ensuring efficient routing and redundancy.

2. Hub-Spoke Configuration: Properly setting the DC preference list is essential for establishing the desired hub-spoke VPN architecture.

3. Optimized Connectivity: This setup helps in optimizing traffic flow and maintaining connectivity between branches and data centers.

### **NEW QUESTION # 75**

A company has HPE Aruba Networking APs running AOS-10 that connect to AOS-CX switches. The APs will:

- . Authenticate as 802.1X supplicants to HPE Aruba Networking ClearPass Policy Manager (CPPM)
- . Be assigned to the "APs" role on the switches
- . Have their traffic forwarded locally

What information do you need to help you determine the VLAN settings for the "APs" role?

- A. Whether the switches are using local user-roles (LURs) or downloadable user-roles (DURs)
- **B. Whether the APs bridge or tunnel traffic on their SSIDs**
- C. Whether the switches have established tunnels with an HPE Aruba Networking gateway
- D. Whether the APs have static or DHCP-assigned IP addresses

### **Answer: B**

Explanation:

To determine the VLAN settings for the "APs" role on AOS-CX switches, it is crucial to know whether the APs bridge or tunnel traffic on their SSIDs. If the APs are bridging traffic, the VLAN settings on the switch need to align with the VLANs used by the SSIDs. If the APs are tunneling traffic to a controller or gateway, the VLAN settings might differ as the traffic is encapsulated and forwarded through the tunnel. Understanding this aspect ensures that the VLAN configuration on the switches correctly supports the traffic forwarding method employed by the APs.

### **NEW QUESTION # 76**

A company has HPE Aruba Networking APs (AOS-10), which authenticate clients to HPE Aruba Networking ClearPass Policy Manager (CPPM). CPPM is set up to receive a variety of information about clients' profile and posture. New information can mean that CPPM should change a client's enforcement profile.

What should you set up on the APs to help the solution function correctly?

- A. In the security settings, configure dynamic denylisting.
- B. In the RADIUS server settings for CPPM, enable Dynamic Authorization.
- C. In the WLAN profiles, enable interim RADIUS accounting.
- D. In the RADIUS server settings for CPPM, enable querying the authentication status.

**Answer: B**

Explanation:

To ensure that HPE Aruba Networking APs (AOS-10) properly interact with HPE Aruba Networking ClearPass Policy Manager (CPPM) and dynamically update a client's enforcement profile based on new profile and posture information, you should enable Dynamic Authorization in the RADIUS server settings for CPPM. This allows ClearPass to send Change of Authorization (CoA) requests to the APs, prompting them to reapply the appropriate enforcement profiles based on updated information.

1. Dynamic Authorization: Enabling this feature allows ClearPass to dynamically push changes to the APs whenever there is new relevant information about a client's profile or posture.

2. Change of Authorization (CoA): This mechanism ensures that clients are assigned the correct enforcement profiles in real-time, based on the latest data.

3. Enhanced Policy Enforcement: This setup helps in maintaining accurate and up-to-date policy enforcement for clients on the network.

### NEW QUESTION # 77

A company has HPE Aruba Networking gateways that implement gateway IDS/IPS. Admins sometimes check the Security Dashboard, but they want a faster way to discover if a gateway starts detecting threats in traffic.

What should they do?

- A. Use Syslog to integrate the gateways with HPE Aruba Networking ClearPass Policy Manager (CPPM) event processing.
- B. Set up Webhooks that are attached to the HPE Aruba Networking Central Threat Dashboard.
- C. Integrate HPE Aruba Networking ClearPass Device Insight (CPDI) with Central and schedule hourly reports.
- D. Set up email notifications using HPE Aruba Networking Central's global alert settings.

**Answer: D**

### NEW QUESTION # 78

A company has AOS-CX switches at the access layer, managed by HPE Aruba Networking Central. You have identified suspicious activity on a wired client. You want to analyze the client's traffic with Wireshark, which you have on your management station.

What should you do?

- A. Access the client's switch's CLI from your management station. Access the switch shell and run a TCP dump on the client port.
- B. Set up a mirror session on the client's switch; set the client port as the source and your station IP address as the tunnel destination.
- C. Go to the client's switch in HPE Aruba Networking Central. Use the "Security" page to run a packet capture.
- D. Set up a policy that implements a captive portal redirect to your management station. Apply that policy to the client's port.

**Answer: B**

Explanation:

Why a Mirror Session Is the Correct Choice

To analyze a wired client's traffic with Wireshark, you need the traffic mirrored to your management station where Wireshark is installed. The most effective way to achieve this is by configuring a mirror session on the AOS-CX switch, specifying the client port as the source and your management station as the destination.

Analysis of Each Option

A: Access the client's switch's CLI from your management station. Access the switch shell and run a TCP dump on the client port:

\* Incorrect:

\* AOS-CX switches do not natively support packet capture (e.g., tcpdump) directly on the switch CLI.

\* This approach is not feasible for capturing and analyzing live client traffic.

B: Go to the client's switch in HPE Aruba Networking Central. Use the "Security" page to run a packet capture:

\* Incorrect:

\* HPE Aruba Networking Central provides security insights but does not directly support initiating packet captures for detailed analysis.

\* Traffic analysis with tools like Wireshark requires local packet capture at the management station.

C: Set up a policy that implements a captive portal redirect to your management station. Apply that policy to the client's port:

\* Incorrect:

\* Captive portals are designed for user authentication and redirection, not traffic analysis.

\* This would disrupt the client's network activity without enabling traffic analysis in Wireshark.

D: Set up a mirror session on the client's switch; set the client port as the source and your station IP address as the tunnel destination:

\* Correct:

\* Mirroring the client port to your management station is the standard method for analyzing live network traffic with Wireshark.

\* Steps include:

\* Configure a mirror session on the client's AOS-CX switch.

\* Set the client's port as the source.

\* Set your management station as the destination using its IP address (via GRE tunnel or physical interface).

\* Start capturing traffic with Wireshark on the management station.

Final Recommendation

To analyze the client's traffic, configure a mirror session on the switch, set the client port as the source, and direct the traffic to your management station where Wireshark is running.

References

\* AOS-CX Switch Port Mirroring Configuration Guide.

\* HPE Aruba Networking Central Monitoring and Troubleshooting Best Practices.

\* Wireshark Traffic Analysis and Capture Techniques.

## NEW QUESTION # 79

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