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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 user name does 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 CPNM 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 (Q118-Q123):**

### **NEW QUESTION # 118**

You have run an Active Endpoint Security Report on HPE Aruba Networking ClearPass. The report indicates that hundreds of endpoints have MAC addresses but no known IP addresses.

What is one step for addressing this issue?

- A. Set up network devices to implement RADIUS accounting to CPPM.
- B. Configure CPPM as a Syslog destination on network devices.
- C. Set up switches to implement ARP inspection on client VLANs.
- D. Add CPPM's IP address to the IP helper list on routing switches.

**Answer: D**

Explanation:

When the Active Endpoint Security Report on HPE Aruba Networking ClearPass indicates that endpoints have MAC addresses but no known IP addresses, one effective step to address this issue is to add CPPM's (ClearPass Policy Manager) IP address to the IP helper list on routing switches. This configuration ensures that DHCP requests are forwarded to the ClearPass server, allowing it to track and report the IP addresses assigned to the endpoints. This helps ClearPass maintain an accurate mapping of MAC addresses to IP addresses, improving endpoint visibility and security management.

Reference: ClearPass configuration guides and best practices documentation outline the importance of integrating ClearPass with network infrastructure using IP helper addresses to ensure comprehensive endpoint visibility and management.

### **NEW QUESTION # 119**

An admin has configured an AOS-CX switch with these settings:

port-access role employees

vlan access name employees

This switch is also configured with CPPM as its RADIUS server.

Which enforcement profile should you configure on CPPM to work with this configuration?

- A. RADIUS Enforcement type with Aruba-User-Role VSA set to "employees"
- B. RADIUS Enforcement type with HPE-User-Role VSA set to "employees"
- C. HPE Aruba Networking Downloadable Role Enforcement type with role name set to "employees"
- D. HPE Aruba Networking Downloadable Role Enforcement type with gateway role name set to "employees"

**Answer: A**

Explanation:

To ensure that the AOS-CX switch properly assigns the "employees" role when using CPPM (ClearPass Policy Manager) as the RADIUS server, you should configure a RADIUS Enforcement profile on CPPM with the Aruba-User-Role VSA (Vendor-Specific Attribute) set to "employees". This configuration ensures that when an endpoint authenticates, CPPM sends the appropriate role assignment to the AOS-CX switch, which then applies the corresponding policies and VLAN settings defined for the "employees" role.

Reference: Aruba's ClearPass documentation and AOS-CX configuration guides detail the integration and configuration of RADIUS enforcement profiles using Aruba-User-Role VSAs for role-based access control.

### **NEW QUESTION # 120**

A company has HPE Aruba Networking APs running AOS-10 and managed by HPE Aruba Networking Central. The company also has AOS-CX switches. The security team wants you to capture traffic from a particular wireless client. You should capture this client's traffic over a 15 minute time period and then send the traffic to them in a PCAP file.

What should you do?

- A. Go to that client in HPE Aruba Networking Central. Use the "Live Events" page to run a packet capture.
- B. Access the CLI for the client's AP. Set up a mirroring session between its radio and a management station running Wireshark.
- C. Access the CLI for the client's AP's switch. Set up a mirroring session between the AP's port and a management station running Wireshark.
- D. Go to the client's AP in HPE Aruba Networking Central. Use the "Security" page to run a packet capture.

**Answer: D**

Explanation:

To capture traffic from a particular wireless client for a 15-minute period and then send the traffic in a PCAP file, you should go to the client's AP in HPE Aruba Networking Central and use the "Security" page to run a packet capture. This method allows you to directly capture the client's traffic from the AP managing the wireless connection, ensuring that you gather the relevant traffic data for analysis.

1. Centralized Management: HPE Aruba Networking Central provides a centralized interface for managing and monitoring APs, making it easy to initiate packet captures.

2. Security Page: The "Security" page in Aruba Central includes tools for running packet captures, allowing you to specify the duration and other parameters.

3. Ease of Use: This approach simplifies the process by using the built-in features of Aruba Central, avoiding the need for complex CLI commands or additional hardware.

Reference: Aruba Central's documentation and user guides detail the steps for performing packet captures through the Central interface, including capturing traffic from specific clients and generating PCAP files for analysis.

## NEW QUESTION # 121

Refer to the exhibit.

You have verified that AOS-CX Switch-1 has constructed an IP-to-MAC binding table in VLANs 10-19.

Now you need to enable ARP inspection for the endpoint connected to Switch-1. What must you do first to prevent traffic disruption?

- A. Configure DHCP snooping on VLANs 10-19 on Switch-2.
- B. Create a static IP-to-MAC binding on Switch-1 for the DHCP server.
- C. Configure ARP inspection on VLANs 10-19 on Switch-2.
- D. Configure Switch-1 uplinks as trusted ARP inspection ports.

**Answer: D**

Explanation:

Dynamic ARP Inspection (DAI):

\* ARP inspection verifies ARP packets against a trusted IP-to-MAC binding table to prevent ARP spoofing attacks.

\* DHCP snooping is required to construct the IP-to-MAC binding table dynamically.

\* To avoid traffic disruption, uplink ports that connect to trusted switches, DHCP servers, or routers must be explicitly configured as trusted ports for ARP inspection.

Steps to Prevent Traffic Disruption:

\* Trust the Uplinks: ARP inspection must treat uplink ports as trusted to allow ARP traffic from legitimate DHCP servers and upstream switches.

\* Enable DHCP Snooping: DHCP snooping must be enabled on Switch-2 to ensure consistent IP-to-MAC bindings upstream.

Why the Answer is Correct:

\* Option A: Incorrect. ARP inspection on Switch-2 is important but not required first to prevent disruption on Switch-1.

\* Option B: Incorrect. DHCP snooping must be enabled upstream eventually, but this alone will not stop immediate traffic disruption on Switch-1.

\* Option C: Correct. Switch-1 uplinks must be trusted ARP inspection ports first to allow legitimate upstream traffic and prevent ARP disruption.

\* Option D: Incorrect. Static bindings are not required if DHCP snooping is enabled, and they are manual, limiting scalability.

Conclusion:

To avoid traffic disruption, configure Switch-1 uplinks as trusted ARP inspection ports to ensure valid ARP traffic can pass

upstream and downstream.

## NEW QUESTION # 122

A company wants HPE Aruba Networking ClearPass Policy Manager (CPPM) to respond to Syslog messages from its Check Point firewall. You have added the firewall as an event source and set up an event service. However, test Syslog messages are not triggering the expected actions.

What is one CPPM setting that you should check?

- A. ClearPass Device Insight integration is disabled.
- B. Ingress Event Dictionaries for Check Point messages are enabled.
- C. The CoA delay value is set to 0 on the server.
- D. The Check Point Extension is installed through ClearPass Guest.

**Answer: B**

### Explanation:

To ensure that HPE Aruba Networking ClearPass Policy Manager (CPPM) responds correctly to Syslog messages from a Check Point firewall, you need to check that the Ingress Event Dictionaries for Check Point messages are enabled. These dictionaries are necessary for CPPM to properly interpret and respond to the Syslog messages received from the firewall.

1. Event Dictionaries: Ingress Event Dictionaries allow CPPM to understand the specific format and content of Syslog messages from various sources, such as Check Point firewalls.

2. Message Interpretation: Without these dictionaries enabled, CPPM may not correctly interpret the Syslog messages, leading to a failure in triggering the expected actions.

3. Configuration Check: Ensuring that the dictionaries are enabled is crucial for the proper functioning of the event service and accurate response to security events.

## NEW QUESTION # 123

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