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

QUESTION NO: 26
A company has a variety of HPE Aruba Networking solutions, including an HPE Aruba Networking infrastructure and HPE Aruba Networking ClearPass Policy Manager (CPPM). The company passes traffic from the corporate LAN destined to the data center through a third-party SXX firewall. The company would like to further protect itself from internal threats.
What is one solution that you can recommend?

- A. Have the third-party firewall send Syslogs to CPPM, which can work with network devices to lock internal attackers out of the network.
- B. Use tunnel mode SSIDs and user-based tunneling (UBT) on AOS-CX switches to pass all internal traffic directly through the third-party firewall.
- C. Add ClearPass Device Insight (CPDI) to the solution; integrate it with the third-party firewall to develop more complete device profiles.
- D. Configure CPPM to poll the third-party firewall for a broad array of information about internal clients, such as profile and posture.

Hide answer/explanation Discussion

Correct Answer: A [View an answer](#)

To further protect the company from internal threats, you can recommend having the third-party SXX firewall send Syslogs to HPE Aruba Networking ClearPass Policy Manager (CPPM). ClearPass can analyze these logs to detect potential security incidents and coordinate with network devices to respond to threats. By integrating Syslog data from the firewall, CPPM can identify malicious activities and take actions such as locking internal attackers out of the network or triggering specific security policies. This approach enhances the company's internal threat detection and response capabilities.

QUESTION NO: 27
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. The Check Point Extension is installed through ClearPass Guest.
- C. The CGA delay value is set to 0 on the server.
- D. Ingress Event Dictionaries for Check Point messages are enabled.

Hide answer/explanation Discussion

Correct Answer: D [View an answer](#)

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.

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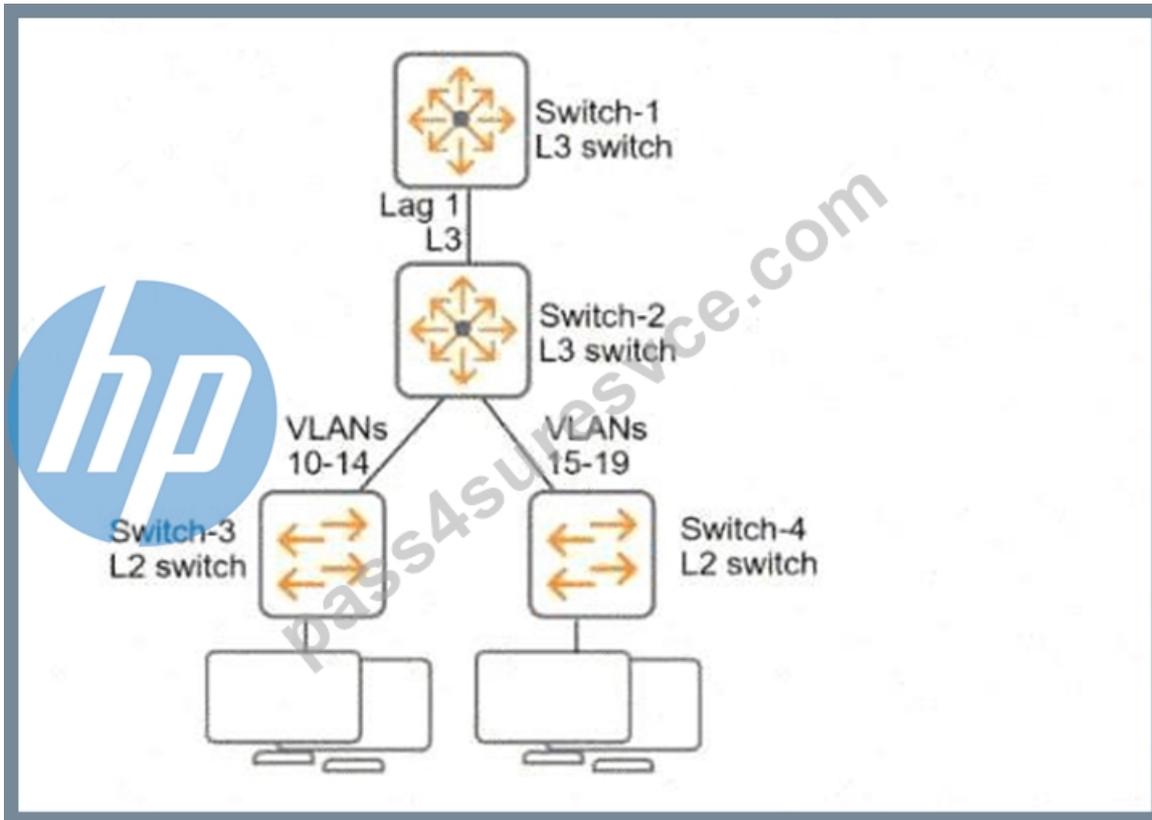
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HP Aruba Certified Network Security Professional Exam Sample Questions (Q105-Q110):

NEW QUESTION # 105

Refer to Exhibit:



All of the switches in the exhibit are AOS-CX switches.

What is the preferred configuration on Switch-2 for preventing rogue OSPF routers in this network?

- A. Configure passive-interface as the OSPF default and disable OSPF passive on Lag 1.
- B. Disable OSPF entirely on VLANs 10-19.
- **C. Configure OSPF authentication on Lag 1 in MD5 mode.**
- D. Configure OSPF authentication on VLANs 10-19 in password mode.

Answer: C

Explanation:

Why MD5 Authentication on Lag 1 is Preferred:

- * Lag 1 is the primary link between Switch-2 and Switch-1, both of which are Layer 3 switches running OSPF.
- * By enabling MD5 authentication, OSPF routers exchange authenticated packets, preventing unauthorized or rogue OSPF routers from forming adjacencies or injecting routes.
- * MD5 is a secure authentication method and ensures the integrity and authenticity of OSPF communications.

Other Options Analysis:

- * A. Configure OSPF authentication on VLANs 10-19 in password mode: While configuring authentication on VLAN interfaces could secure VLAN-specific OSPF traffic, it is less effective because the main threat of rogue OSPF comes from unauthorized L3 devices connected via the backbone (Lag 1).
- * C. Disable OSPF entirely on VLANs 10-19: Disabling OSPF on these VLANs is not a preferred solution because OSPF is needed to route traffic in this design.
- * D. Configure passive-interface as the OSPF default and disable OSPF passive on Lag 1: While passive interfaces prevent OSPF from forming adjacencies, it does not directly prevent rogue routers. Passive mode only limits OSPF advertisements on specific

interfaces.

NEW QUESTION # 106

A security team needs to track a device's communication patterns and identify patterns such as how many destinations the device is accessing.

Which Aruba solution can show this information at a glance?

- A. HPE Aruba Networking ClearPass Device Insight (CPDI) under a device's network activity
- B. AOS-CX Analytics Dashboard using the system-installed NAE agent
- C. HPE Aruba Networking ClearPass Policy Manager (CPPM) live monitoring Access Tracker
- D. HPE Aruba Networking ClearPass Insight Endpoints and Network Dashboards

Answer: A

Explanation:

HPE Aruba Networking ClearPass Device Insight (CPDI) can show detailed information about a device's communication patterns, including how many destinations the device is accessing. CPDI provides comprehensive visibility into the behavior and activity of devices on the network, allowing the security team to track and analyze communication patterns at a glance. This information is critical for identifying anomalies and potential security threats.

Reference: ClearPass Device Insight documentation and network activity monitoring guides offer insights into tracking and analyzing device communication patterns using CPDI's capabilities.

NEW QUESTION # 107

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

Answer: B

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.

NEW QUESTION # 108

A company has HPE Aruba Networking APs and AOS-CX switches, as well as HPE Aruba Networking ClearPass. The company wants CPPM to have HTTP User-Agent strings to use in profiling devices.

What can you do to support these requirements?

- A. On the APs and switches, configure a redirect to ClearPass Guest in the role for devices being profiled.
- B. Schedule periodic subnet scans of all client subnets on CPPM.
- C. Add the CPPM server's IP address to the IP helper list in all client VLANs on routing switches.

- D. Configure mirror sessions on the APs and switches to copy client HTTP traffic to CPPM.

Answer: C

Explanation:

To support the requirement for HPE Aruba Networking ClearPass Policy Manager (CPPM) to have HTTP User-Agent strings for profiling devices, you should add the CPPM server's IP address to the IP helper list in all client VLANs on routing switches. This configuration ensures that DHCP requests and other relevant client traffic are forwarded to CPPM, allowing it to capture HTTP User-Agent strings and use them for device profiling.

1. IP Helper Configuration: Adding CPPM to the IP helper list ensures that the switch forwards DHCP and other client traffic to CPPM, enabling it to gather necessary information for profiling.
2. User-Agent Strings: By receiving client traffic, CPPM can analyze HTTP headers and capture User-Agent strings, which provide valuable information about the client's device and browser.
3. Profiling Support: This approach supports the comprehensive profiling of devices, allowing CPPM to apply appropriate policies based on detailed device information.

Reference: Aruba ClearPass and AOS-CX switch configuration guides detail the process of setting up IP helper addresses and the benefits of forwarding client traffic to CPPM for enhanced profiling and policy enforcement.

NEW QUESTION # 109

What correctly describes an HPE Aruba Networking AP's Device (TPM) certificate?

- A. It works well as a captive portal certificate for guest SSIDs.
- **B. It is signed by an HPE Aruba Networking CA and is trusted by many HPE Aruba Networking solutions.**
- C. It is a self-signed certificate that should not be used in production.
- D. It is installed on APs after they connect to and are provisioned by HPE Aruba Networking Central.

Answer: B

Explanation:

An HPE Aruba Networking AP's Device (TPM) certificate is signed by an HPE Aruba Networking Certificate Authority (CA) and is trusted by many HPE Aruba Networking solutions. This certificate is used for secure communications and device authentication within the Aruba network ecosystem.

1. CA-Signed Certificate: The Device (TPM) certificate is signed by a trusted Aruba CA, ensuring its authenticity and integrity.
2. Trust Across Solutions: Because it is signed by an Aruba CA, it is recognized and trusted by various Aruba solutions, facilitating secure interactions and communications.
3. Security: Using a CA-signed certificate enhances the security of the network by preventing unauthorized access and ensuring that communications are secure.

NEW QUESTION # 110

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