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

QUESTION NO. 26

A company has a variety of HP Aruba Networking solutions, including an HP Aruba Networking Infrastructure and HP Aruba Networking ClearPass Policy Manager (CPPM). The company passes traffic from the corporate LAN destined to the data center through a third-party SRX 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 Syslog to CPPM, which can work with network devices to lock internal attackers out of the network.

B. Use tunnel mode SSH and user-based tunneling (UBT) on ADs-CX switches to pass all internal traffic directly through the third-party firewall.

C. Add ClearPass Device Insight (CDI) 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.

Correct Answer: A

To further protect the company from internal threats, you can recommend having the third-party SRX firewall send Syslog to HP 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 HP 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 CoA delay value is set to 0 on the server.

D. Ingress Event Dictionaries for Check Point messages are enabled.

Correct Answer: D

To ensure that HP 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 firewall.

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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HP HPE7-A02 certification exam is intended for IT professionals who have at least three years of experience in network security. It is an advanced certification that is appropriate for IT professionals who are looking to advance their careers in the field. Aruba Certified Network Security Professional Exam certification exam is also an excellent way for employers to identify and hire IT professionals who have the knowledge and skills necessary to secure their networks.

The Aruba Certified Network Security Professional certification is highly regarded in the industry as it demonstrates an individual's ability to implement advanced security measures in a network. Aruba Certified Network Security Professional Exam certification is ideal for professionals who are responsible for securing enterprise networks. The HPE7-A02 Exam is also relevant for IT professionals who work with Aruba's ClearPass Policy Manager and VPN technologies.

HP HPE7-A02 certification exam is ideal for professionals who are looking to advance their careers in the field of network security. HPE7-A02 exam covers a range of topics including network security fundamentals, secure wireless design and configuration, firewall technologies, VPN technologies, and intrusion detection and prevention.

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HP Aruba Certified Network Security Professional Exam Sample Questions (Q43-Q48):

NEW QUESTION # 43

A company wants to apply a standard configuration to all AOS-CX switch ports and have the ports dynamically adjust their configuration based on the identity of the user or device that connects. They want to centralize configuration of the identity-based settings as much as possible.

What should you recommend?

- A. Having switches pull port configurations dynamically from HPE Aruba Networking Activate
- B. Having HPE Aruba Networking ClearPass Policy Manager (CPPM) send standard RADIUS AVPs to customize port settings
- C. Having switches download user-roles from HPE Aruba Networking gateways
- D. Having switches download user-roles from HPE Aruba Networking ClearPass Policy Manager (CPPM)

Answer: D

Explanation:

For a company that wants to apply a standard configuration to all AOS-CX switch ports and dynamically adjust their configuration based on the identity of the user or device that connects, the best approach is to have the switches download user-roles from HPE Aruba Networking ClearPass Policy Manager (CPPM).

This method centralizes the configuration of identity-based settings in CPPM, allowing it to dynamically assign roles and policies to switch ports based on authentication and authorization results. This ensures consistent and secure network access control tailored to each user or device.

NEW QUESTION # 44

What role can Internet Key Exchange (IKE)/IKEv2 play in an HPE Aruba Networking client-to-site VPN?

- A. It helps to negotiate the IPsec SA automatically and securely.
- B. It helps remote clients download IPsec profiles for later use.
- C. It provides an alternative to IPsec that is suitable for legacy clients.
- D. It provides a more modern and secure alternative to IPsec.

Answer: A

Explanation:

Internet Key Exchange (IKE)/IKEv2 plays a crucial role in an HPE Aruba Networking client-to-site VPN by helping to negotiate the IPsec Security Association (SA) automatically and securely. IKE/IKEv2 handles the authentication and key exchange processes, ensuring that both the client and the VPN gateway can establish a secure IPsec tunnel.

1. SA Negotiation: IKE/IKEv2 automates the negotiation of the Security Association, which defines the parameters for the secure IPsec tunnel.

2. Secure Authentication: It provides a secure method for authenticating the communicating parties and exchanging cryptographic keys.

3. Efficiency: Using IKE/IKEv2 simplifies the setup and maintenance of secure VPN connections, enhancing the overall security and reliability of the VPN.

Reference: Documentation on IPsec VPNs and IKE/IKEv2 protocols explains how these protocols facilitate secure and automated negotiation of IPsec tunnels, ensuring robust client-to-site VPN connections.

NEW QUESTION # 45

You have set up a mirroring session between an AOS-CX switch and a management station, running Wireshark. You want to capture just the traffic sent in the mirroring session, not the management station's other traffic.

What should you do?

- A. Edit protocol preferences and enable ARUBA_ERM.
- B. Apply this capture filter: ip proto 47
- C. Edit protocol preferences and enable HPE_ERM.
- D. **Apply this capture filter: udp port 5555**

Answer: D

Explanation:

To capture only the traffic sent in the mirroring session between an AOS-CX switch and a management station running Wireshark, you should apply a capture filter that isolates the specific traffic of interest. In this case, using the filter `udp port 5555` will capture the traffic associated with the mirroring session. This is because AOS-CX switches typically use UDP port 5555 for mirrored traffic, ensuring that only the relevant mirrored packets are captured and excluding other traffic generated by the management station. Reference: Aruba's AOS-CX documentation and network management guides detail the configuration and monitoring of traffic mirroring sessions, including the use of specific ports for mirrored traffic.

NEW QUESTION # 46

What is one use case that companies can fulfill using HPE Aruba Networking ClearPass Policy Manager's (CPPM's) Device Profiler?

- A. Assigning different AOS firewall roles to users on computers and the same users on smartphones
- B. Quarantining devices that do not have the required antivirus software installed on them
- C. **Leveraging artificial intelligence to more accurately identify Internet of Things (IoT) devices**
- D. Identifying device security vulnerabilities by CVE ID and receiving remediation recommendations

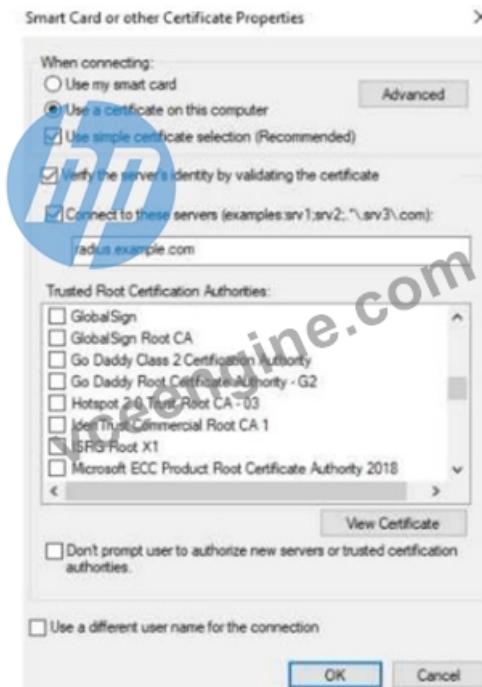
Answer: C

Explanation:

One use case that companies can fulfill using HPE Aruba Networking ClearPass Policy Manager's (CPPM's) Device Profiler is leveraging artificial intelligence to more accurately identify Internet of Things (IoT) devices. ClearPass Device Profiler uses AI and machine learning to analyze network traffic and device behavior, providing detailed and accurate identification of IoT devices on the network. This helps in managing and securing diverse and numerous IoT devices by ensuring they are correctly profiled and assigned appropriate access policies.

Reference: Aruba ClearPass documentation highlights the use of AI and machine learning in device profiling to enhance the identification and management of IoT devices.

NEW QUESTION # 47



The exhibit shows the 802.1X-related settings for Windows domain clients. What should admins change to make the settings follow best security practices?

- A. Under the "Connect to these servers" field, use a wildcard in the server name.
- **B. Specify at least two server names under the "Connect to these servers" field.**
- C. Clear the check box for using simple certificate selection and select the desired certificate manually.
- D. Select the desired Trusted Root Certificate Authority and select the check box next to "Don't prompt users."

Answer: B

Explanation:

To follow best security practices for 802.1X authentication settings in Windows domain clients:

* Specify at least two server names under "Connect to these servers":

* Admins should explicitly list trusted RADIUS server names (e.g., radius.example.com) to prevent the client from connecting to unauthorized or rogue servers.

* This mitigates man-in-the-middle (MITM) attacks where an attacker attempts to present their own RADIUS server.

* Select the desired Trusted Root Certificate Authority and "Don't prompt users":

* Select the Trusted Root CA that issued the RADIUS server's certificate. This ensures clients validate the correct server certificate during the EAP-TLS/PEAP authentication process.

* Enabling "Don't prompt users" ensures end users are not confused or tricked into accepting certificates from untrusted servers.

* Why the other options are incorrect:

* Option C: Incorrect. Wildcards in server names (e.g., *.example.com) weaken security and allow broader matching, increasing the risk of rogue servers.

* Option D: Incorrect. Clearing "Use simple certificate selection" requires users to select certificates manually, which can lead to errors and usability issues. Simple certificate selection is recommended when properly configured.

Recommended Settings for Best Security Practices:

* Server Validation: Specify the exact RADIUS server names in the "Connect to these servers" field.

* Root CA Validation: Ensure only the correct Trusted Root Certificate Authority is selected.

* User Prompts: Enable "Don't prompt users" to enforce automatic and secure authentication without user intervention.

NEW QUESTION # 48

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