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

QUESTION NO: 11
A company has an HPE Aruba Networking ClearPass cluster with several servers. ClearPass Policy Manager (CPPM) is set up to:
1. Update client attributes based on Syslog messages from third-party appliances.
2. Have the clients reauthenticate and apply new profiles to the clients based on the updates to ensure that the correct profiles apply. What is one step you should take?
 A. Configure a CoA action for all tag updates in the ClearPass Device Insight Integration settings.
 B. Tune the CoA delay on the ClearPass servers to a value of 3 seconds or greater.
 C. Set the cluster's Endpoint Context Servers polling interval to a value of 5 seconds or less.
 D. Configure the cluster to periodically clean up stale unknown endpoints.

Correct Answer: B

To ensure that the correct profiles apply after client attributes are updated based on Syslog messages, you should tune the Change of Authorization (CoA) delay on the ClearPass servers to a value of 3 seconds or greater. This delay allows sufficient time for the attribute updates to be processed and for the reauthentication to occur correctly, ensuring that the correct profiles are applied to the clients.

1. CoA Delay: Adjusting the CoA delay ensures that the system has enough time to update client attributes and reauthenticate them properly before applying new profiles.

2. Profile Activation: This delay helps in preventing premature reauthentication and ensures that the most recent attribute updates are considered when applying profiles.

3. System Synchronization: Ensures synchronization between the attribute update and the reauthentication process.

QUESTION NO: 12
A company assigns a different block of VLAN IDs to each of its access layer AOS-CX switches. The switches run version 10.07. The IDs are used for standard purposes, such as for employees, VoIP phones, and cameras. The company wants to apply 802.1X authentication to HPE Aruba Networking ClearPass Policy Manager (CPPM) and then steer clients to the correct VLANs for local forwarding. What can you do to simplify setting up this solution?
 A. Assign consistent names to VLANs of the same type across the AOS-CX switches and have user-roles reference names.
 B. Use the trunk allowed VLAN setting to assign multiple VLAN IDs to the same role.
 C. Change the VLAN IDs across the AOS-CX switches so that they are consistent.
 D. Avoid configuring the VLAN in the role; use trunk VLANs to assign multiple VLANs to the port interface.

Correct Answer: A

To simplify the setup of 802.1X authentication with HPE Aruba Networking ClearPass Policy Manager (CPPM) and ensure clients are steered to the correct VLANs for local forwarding, you should assign consistent names to VLANs of the same type across the AOS-CX switches and have user-roles reference these names. This approach allows for a more straightforward configuration and management process, as the user roles can apply consistent policies based on VLAN names rather than specific IDs. It also helps in maintaining clarity and reducing errors in VLAN assignments across different switches.

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HP Aruba Certified Network Security Professional Exam Sample Questions (Q15-Q20):

NEW QUESTION # 15

The following firewall role is configured on HPE Aruba Networking Central-managed APs:
wlan access-rule employees

index 3

```
rule any any match 17 67 67 permit
rule any any match any 53 53 permit
rule 10 5 5.0 255.255 255.0 match any any any deny
rule 10.5 0.0 255.255 0.0 match 6 80 80 permit
rule 10.5 0.0 255.255.0.0 match 6 443 443 permit
rule 10.5.0.0 255.255.0.0 match any any any deny
rule any any match any any any permit
```

A client has authenticated and been assigned to the employees role. The client has IP address 10.2.2.2. Which correctly describes behavior in this policy?

- A. HTTPS traffic from 10.2.2.2 to 10.5.5.5 is denied.
- B. Traffic from 198.51.100.12 in an active HTTP session between 10.2.2.2 and 198.51.100.12 is denied.
- C. Traffic from 10.5.3.3 in an active HTTPS session between 10.2.2.2 and 10.5.3.3 is permitted.
- D. HTTPS traffic from 10.2.2.2 to 203.0.113.12 is denied.

Answer: A

Explanation:

* Policy Analysis:

* Rule Evaluation Order: Rules are applied in sequential order until a match is found.

* Key Points:

* DHCP traffic (UDP 67) is permitted.

* DNS traffic (UDP 53) is permitted.

* Traffic to 10.5.5.0/24 is explicitly denied.

* HTTP traffic (TCP 80) is allowed only to 10.5.0.0/16.

* HTTPS traffic (TCP 443) is allowed only to 10.5.0.0/16.

* All other traffic to 10.5.0.0/16 is denied.

* Any other traffic not matching the above rules is permitted.

* Scenario Analysis:

* The client IP 10.2.2.2 does not fall within the 10.5.0.0/16 subnet.

* Rule 3 denies traffic to 10.5.5.5, regardless of the source IP.

* Option A: Correct. HTTPS traffic to 10.5.5.5 is explicitly denied by Rule 3.

* Option B: Incorrect. Traffic to 203.0.113.12 is permitted due to the final "permit any" rule.

* Option C: Incorrect. The client (10.2.2.2) does not belong to the subnet 10.5.0.0/16, so traffic to 10.5.3.3 is not permitted by Rule 5.

* Option D: Incorrect. HTTP traffic to 198.51.100.12 is allowed by the last "permit any" rule.

NEW QUESTION # 16

A company uses HPE Aruba Networking ClearPass Policy Manager (CPPM) and HPE Aruba Networking ClearPass Device Insight (CPDI) and has integrated the two. CPDI admins have created a tag. CPPM admins have created rules that use that tag in the wired 802.1X and wireless 802.1X services' enforcement policies.

The company requires CPPM to apply the tag-based rules to a client directly after it learns that the client has that tag.

What is one of the settings that you should verify on CPPM?

- A. Both 802.1X services have the "Use cached Role and Posture attributes from the previous sessions" setting.
- B. Both 802.1X services have the "Profile Endpoints" option enabled and an appropriate CoA profile selected in the Profiler tab.
- C. The "Device Sync" setting is set to 1 in the ClearPass Device Insight Integration settings.
- D. The "Polling Interval" is set to 1 in the ClearPass Device Insight Integration settings.

Answer: B

Explanation:

To ensure that HPE Aruba Networking ClearPass Policy Manager (CPPM) applies tag-based rules to a client immediately after learning the client has that tag, verify that both 802.1X services have the "Profile Endpoints" option enabled and an appropriate Change of Authorization (CoA) profile selected in the Profiler tab. This setup ensures that when a device is profiled and tagged, CPPM can immediately enforce the updated policies through CoA.

1. Profile Endpoints: Enabling this option ensures that endpoint profiling is active, allowing CPPM to gather and use device information dynamically.
2. CoA Profile: Selecting an appropriate CoA profile ensures that CPPM can push policy changes immediately to the network devices, applying the new rules without delay.
3. Real-Time Enforcement: This configuration allows for the immediate application of new tags and associated policies, ensuring compliance with security requirements.

NEW QUESTION # 17

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

Answer: C

Explanation:

* Packet Capture in Aruba Central:

* Aruba Central provides tools for remote packet captures directly from the APs.

* On the "Security" page for the AP, you can initiate a packet capture session, specifying the client device and capture duration.

* The traffic is captured into a PCAP file, which can be downloaded and analyzed using tools like Wireshark.

* Option Analysis:

* Option A: Incorrect. While possible via CLI, Aruba Central provides a simpler method for packet captures.

* Option B: Correct. Aruba Central's "Security" page allows you to capture and export client traffic efficiently.

* Option C: Incorrect. The "Live Events" page focuses on monitoring events, not packet captures.

* Option D: Incorrect. Port mirroring on the switch captures AP traffic but requires more manual configuration and does not isolate client-specific wireless traffic easily.

NEW QUESTION # 18

You are setting up HPE Aruba Networking SSE. Which use case requires you to apply a non-default device posture in a rule?

- A. Redirecting compromised clients to a remediation server
- **B. Checking whether a client has antivirus software as a condition for receiving access to resources**
- C. Applying threat inspection to users when they access certain websites
- D. Integrating with HPE Aruba Networking ClearPass OnGuard

Answer: B

Explanation:

Comprehensive Detailed Explanation

A non-default device posture is applied in scenarios where specific checks on a device's compliance or security state (posture) are required to grant or deny access. The correct answer is:

* B. Checking whether a client has antivirus software as a condition for receiving access to resources.

* This use case explicitly requires device posture assessment, which involves evaluating the device for attributes like antivirus software, patch levels, or other compliance criteria.

* Non-default device posture rules are configured to assess these conditions and enforce the appropriate policy based on the device's state.

Other Options:

* A. Applying threat inspection: Threat inspection rules operate independently of device posture and apply based on traffic content, not device compliance.

- * C. Redirecting compromised clients: This action is typically triggered based on a security event or threat detection, not directly related to device posture evaluation.
- * D. Integrating with ClearPass OnGuard: While OnGuard can contribute to posture assessment, it does not require a non-default device posture in the SSE rule directly.

References

- * HPE Aruba SSE Posture-Based Access Control documentation.
- * Aruba ClearPass and SSE Integration Deployment Guide.

NEW QUESTION # 19

You are helping an organization deploy HPE Aruba Networking SSE. What is one reason to recommend that the company install agents on remote users' devices?

- A. To permit admins to manage the HPE Aruba Networking SSE policy rules.
- B. To permit users to access private servers using SSH.
- C. To run posture checks and apply different permissions based on those checks.
- D. To run threat inspection on clients in a local sandbox rather than in the cloud.

Answer: C

Explanation:

- * Installing Agents for SSE (Secure Service Edge):
- * Agents installed on remote users' devices allow posture checks (e.g., antivirus status, OS version) to ensure compliance.
- * Based on the results of the posture checks, different permissions and security policies can be applied dynamically.
- * This improves the security posture of remote users before granting access to resources.
- * Option A: Correct. Agents enable posture checks and enforce conditional access based on compliance.
- * Option B: Incorrect. Admins manage SSE policies centrally, not via agents.
- * Option C: Incorrect. Access to private servers via SSH does not require agents; it relies on policies and tunnels.
- * Option D: Incorrect. Local sandboxing is generally a function of endpoint protection solutions, not SSE agents.

NEW QUESTION # 20

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