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

**QUESTION NO: 1**  
A company uses HPE Aruba Networking ClearPass Policy Manager (CPPM) as a TACACS+ server to authenticate managers on its AOS-CX switches. You want to assign managers to groups on the AOS-CX switch by name. How do you configure this setting in a CPPM TACACS+ enforcement profile?

- A. Add the Shell service and set subcmd to the group name.
- B. Add the Shell service and set priv-rl to the group name.
- C. Add the Aruba Common service and set Aruba-Admin-Role to the group name.
- D. Add the Aruba Common service and set Aruba-Priv-Admin-User to the group name.

Hide answer/explanation Discussion 0

**Correct Answer: C** [View an answer](#)

To assign managers to groups on the AOS-CX switch by name using HPE Aruba Networking ClearPass Policy Manager (CPPM) as a TACACS+ server, you SHOULD add the Aruba service to the TACACS+ enforcement profile and set the Aruba-Admin-Role to the group name. This configuration ensures that the appropriate administrative roles are assigned to managers based on their group membership, allowing for role-based access control on the AOS-CX switches.

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**QUESTION NO: 2**  
You are using OpenSSL to obtain a certificate signed by a Certification Authority (CA). You have entered this command:  
openssl req -new -out file1.pem -newkey rsa:2048 -keyout file2.pem  
Enter PEM pass phrase: \_\_\_\_\_  
Verifying - Enter PEM pass phrase: \_\_\_\_\_  
Country Name (2 letter code) [AU]: US  
State or Province Name (full name) [some-state]: California  
Locality Name (eg, city) [San Francisco]:  
Organization Name (eg, company) [Internet Widgits Pty Ltd]: example.com  
Organizational Unit Name (eg, section) []: Infrastructure  
Common Name (e.g. server FQDN or YOUR name) []: radius.example.com  
What is one guideline for continuing to obtain a certificate?

- A. You should use a third-party tool to encrypt file2.pem before sending it and file1.pem to the CA.
- B. You should concatenate file1.pem and file2.pem into a single file, and submit that to the desired CA to sign.
- C. You should submit file1.pem, but not file2.pem, to the desired CA to sign.
- D. You should submit file2.pem, but not file1.pem, to the desired CA to sign.

Hide answer/explanation Discussion 0

**Correct Answer: C** [View an answer](#)

When using OpenSSL to obtain a certificate signed by a Certification Authority (CA), you should submit the Certificate Signing Request (CSR) file, which is file1.pem, to the CA. The CSR contains the information about the entity requesting the certificate and the public key, but not the private key, which is in file2.pem. The CA uses the information in the CSR to create and sign the certificate.

1. CSR Submission. The CSR (file1.pem) includes the public key and the entity information required by the CA to issue a certificate.

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## HP Aruba Certified Network Security Professional Exam Sample Questions (Q19-Q24):

### NEW QUESTION # 19

A company has HPE Aruba Networking infrastructure devices. The devices authenticate clients to HPE Aruba Networking ClearPass Policy Manager (CPPM). You want CPPM to track information about clients, such as their IP addresses and their network bandwidth utilization. What should you set up on the network infrastructure devices to help that happen?

- A. RADIUS accounting to CPPM, including interim updates.
- B. Logging with CPPM configured as a Syslog server.
- C. Dynamic authorization enabled in the RADIUS settings for CPPM.
- D. An IF-MAP interface with CPPM as the destination.

**Answer: A**

Explanation:

\* RADIUS Accounting:

\* RADIUS accounting enables network devices to report client session details (e.g., IP addresses, session duration, bandwidth usage) to CPPM.

\* Interim updates ensure CPPM receives ongoing updates about the client's session, enabling accurate tracking.

\* Option Analysis:

\* Option A: Incorrect. Syslog logging sends general system logs, not client session details.

\* Option B: Incorrect. Dynamic authorization (CoA) handles session changes but does not provide usage tracking.

\* Option C: Correct. RADIUS accounting with interim updates tracks client IP addresses and bandwidth utilization.

\* Option D: Incorrect. IF-MAP interfaces are used for metadata sharing, not for RADIUS-based tracking.

### NEW QUESTION # 20

You are using Wireshark to view packets captured from HPE Aruba Networking infrastructure, but you're not sure that the packets are displaying correctly. In which circumstance does it make sense to configure Wireshark to ignore protection bits with the IV for the 802.11 protocol?

- A. When the traffic was mirrored from an AOS-CX switch port connected to an AP.
- B. When the traffic was captured from an AP with HPE Aruba Networking Central.
- C. When the traffic was captured on the data plane of an HPE Aruba Networking gateway and sent to a remote IP.
- D. When the traffic was captured on the control plane of an HPE Aruba Networking MC and sent to a remote IP.

**Answer: B**

Explanation:

\* 802.11 Traffic and Protection Bits:

\* In the 802.11 protocol, protection bits and the Initialization Vector (IV) are used in encrypted wireless traffic.

\* If the traffic is captured directly from an AP, the frames may include encrypted content.

\* Wireshark may misinterpret these protection bits or fail to display the frames correctly unless it is configured to ignore protection bits and correctly parse the IV.

\* Key Scenario:

\* When traffic is captured directly from an AP managed by HPE Aruba Networking Central, the frames are often captured before decryption occurs.

\* In such cases, you must configure Wireshark to ignore the protection bits and handle the IV properly for correct frame interpretation.

\* Option Analysis:

\* Option A: Incorrect. Data plane traffic sent to a remote IP is usually decrypted, so Wireshark does not require this adjustment.

\* Option B: Incorrect. Switch port mirroring captures traffic at Layer 2/3, not raw 802.11 frames.

- \* Option C: Correct. Traffic captured directly from an AP via HPE Aruba Networking Central often includes encrypted wireless frames, requiring Wireshark adjustments.
- \* Option D: Incorrect. Control plane traffic is typically management data and not raw wireless frames needing IV interpretation.

### NEW QUESTION # 21

A company wants HPE Aruba Networking ClearPass Policy Manager (CPPM) to respond to Syslog messages from its Palo Alto Next Generation Firewall (NGFW) by quarantining clients involved in security incidents.

Which step must you complete to enable CPPM to process the Syslogs properly?

- **A. Configure the Palo Alto as a context server on CPPM.**
- B. Enable Insight and ingress event processing on the CPPM server.
- C. Configure CPPM to trust the root CA certificate for the NGFW.
- D. Install a Palo Alto Extension through ClearPass Guest.

**Answer: A**

Explanation:

To enable HPE Aruba Networking ClearPass Policy Manager (CPPM) to process Syslog messages from a Palo Alto Next Generation Firewall (NGFW) and quarantine clients involved in security incidents, you need to configure the Palo Alto as a context server on CPPM. This setup allows CPPM to receive and understand the context of the Syslog messages sent by the Palo Alto NGFW, enabling it to take appropriate actions such as quarantining clients.

1.Context Server Configuration: Configuring the Palo Alto NGFW as a context server in CPPM ensures that CPPM can process and respond to Syslog messages effectively.

2.Security Incident Response: By understanding the context of the Syslog messages, CPPM can automatically trigger actions like client quarantine based on security incidents detected by the NGFW.

3.Integration: This integration enhances the overall security posture by enabling coordinated responses between the firewall and CPPM.

Reference: ClearPass integration guides and context server configuration documentation provide detailed steps on setting up and utilizing context servers for security incident management.

### NEW QUESTION # 22

You are configuring the HPE Aruba Networking ClearPass Device Insight Integration settings on ClearPass Policy Manager (CPPM). For which use case should you set the 'Tag Updates Action' to "apply for all tag updates"?

- A. When the Device Insight integration poll interval is set to a relatively long interval but you still want CPPM to be informed quickly about devices' new tags.
- **B. When you plan to have CPPM issue CoAs for clients with new tags, but do not want to have to list those specific tags in the Device Integration settings in advance.**
- C. When CPPM is gathering posture information for CPDI, and you want CPDI to always have access to the most up-to-date information.
- D. When Device Insight tags are only used to identify dangerous devices, and you want to disconnect those devices without having to set up new rules in enforcement policies.

**Answer: B**

Explanation:

\* Tag Updates Action - "Apply for All Tag Updates":

\* This setting ensures that all updated tags from Device Insight (CPDI) are applied dynamically.

\* It is particularly useful when you want to trigger Change of Authorization (CoA) without explicitly predefining the tag values.

\* Option D: Correct. This setting allows CPPM to issue CoAs automatically for updated tags without requiring prior configuration of specific tags.

\* Option A: Incorrect. The setting is not directly related to reducing the poll interval latency.

\* Option B: Incorrect. Disconnecting devices based on dangerous tags would require predefined enforcement rules.

\* Option C: Incorrect. Posture information updates do not directly rely on this setting.

### NEW QUESTION # 23

HPE Aruba Networking Central displays a Gateway Threat Count alert in the alert list. How can you gather more information about

what caused the alert to trigger?

- A. Check the gateway's Audit Trail in HPE Aruba Networking Central for more details about the threats that triggered the alert.
- B. Use Live Monitoring on the gateway to download a packet capture of recent traffic flowing through the gateway.
- **C. Check the threat list for the gateway associated with the alert. Access threat details and download packet info.**
- D. Use HPE Aruba Networking Central tools to run a Network Check on the gateway with which the alert is associated.

**Answer: C**

Explanation:

Gateway Threat Count Alert

This alert indicates that the gateway has detected threats in traffic passing through it. HPE Aruba Networking Central provides tools to investigate and analyze these threats in detail.

Analysis of Each Option

A: Use HPE Aruba Networking Central tools to run a Network Check on the gateway with which the alert is associated:

\* Incorrect:

\* Network Check tools in Central are primarily used for connectivity and performance diagnostics, not for analyzing detected threats.

\* This does not provide insight into the specific threats triggering the Gateway Threat Count alert.

B: Use Live Monitoring on the gateway to download a packet capture of recent traffic flowing through the gateway:

\* Incorrect:

\* Live Monitoring and packet capture can provide raw traffic data, but interpreting this requires significant manual analysis.

\* The Gateway Threat Count alert already provides summarized threat insights that are easier to access via the threat list.

C: Check the threat list for the gateway associated with the alert. Access threat details and download packet info:

\* Correct:

\* The threat list is specifically designed to display detailed information about detected threats, such as their type, severity, and source/destination.

\* Administrators can access this list in Central for the affected gateway, view granular details, and even download associated packet data for deeper inspection.

D: Check the gateway's Audit Trail in HPE Aruba Networking Central for more details about the threats that triggered the alert:

\* Incorrect:

\* The Audit Trail tracks configuration changes and administrative actions, not the details of detected threats.

\* It is not relevant for investigating the Gateway Threat Count alert.

Final Recommendation

To gather more information about what caused the Gateway Threat Count alert to trigger, check the threat list for the associated gateway. This provides detailed threat information and the option to download packet data for further analysis.

References

\* HPE Aruba Networking Central Threat Management Guide.

\* Understanding Gateway IDS/IPS Alerts in Aruba Central Documentation.

\* Best Practices for Threat Investigation Using Aruba Central.

## NEW QUESTION # 24

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