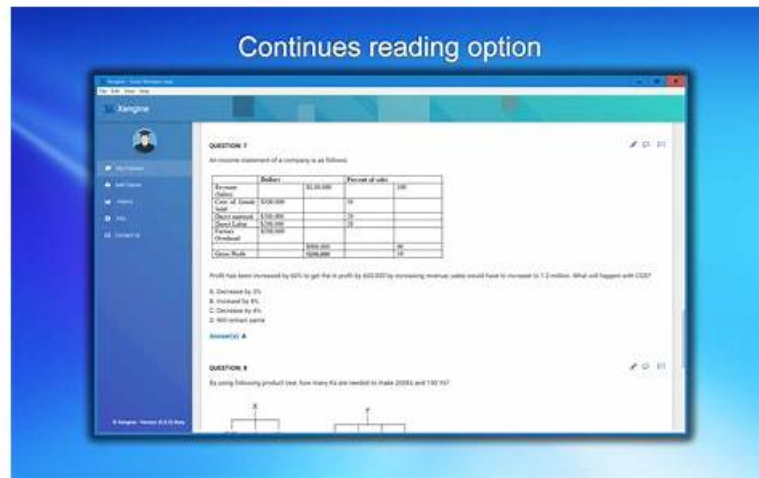


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HP Aruba Certified Network Security Professional Exam Sample Questions (Q120-Q125):

NEW QUESTION # 120

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:3072 -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) []:Sunnyvale

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 submit file2.pem, but not file1.pem, to the desired CA to sign.
- 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 use a third-party tool to encrypt file2.pem before sending it and file1.pem to the CA.
- **D. You should submit file1.pem, but not file2.pem, to the desired CA to sign.**

Answer: D

Explanation:

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.
- 2.Private Key Security: The private key (file2.pem) should never be sent to the CA or shared; it remains securely stored on the requestor's server.
- 3.Certificate Issuance: After the CA signs the CSR, the resulting certificate can be used with the private key to establish secure communications.

NEW QUESTION # 121

A company has AOS-CX switches. The company wants to make it simpler and faster for admins to detect denial of service (DoS) attacks, such as ping or ARP floods, launched against the switches.

What can you do to support this use case?

- **A. Deploy an NAE agent on the switches to monitor control plane policing (CoPP).**
- B. Enabling debugging of security functions on the switches.
- C. Implement ARP inspection on all VLANs that support end-user devices.
- D. Configure the switches to implement RADIUS accounting to HPE Aruba Networking ClearPass and enable HPE Aruba Networking ClearPass Insight.

Answer: A

Explanation:

Why Monitoring Control Plane Policing (CoPP) with an NAE Agent Is Effective for Detecting DoS Attacks

* Control Plane Policing (CoPP): AOS-CX switches use CoPP to protect the CPU from excessive traffic caused by DoS attacks (e.g., ARP floods, ICMP floods). CoPP enforces rate limits and drops malicious traffic at the control plane level.

* NAE (Network Analytics Engine) Agent:

* The NAE on AOS-CX switches can monitor CoPP counters in real time and trigger alerts if thresholds for certain traffic types (e.g., ICMP, ARP) are exceeded.

* Admins can use NAE to automate detection and respond faster to DoS attacks.

Analysis of Each Option

A: Deploy an NAE agent on the switches to monitor control plane policing (CoPP):

* Correct:

* NAE agents provide real-time visibility into CoPP behavior, helping detect DoS attacks more quickly.

* By analyzing CoPP statistics, the NAE can pinpoint abnormal traffic patterns and alert admins.

* This is the most efficient and scalable solution for this use case.

B: Configure the switches to implement RADIUS accounting to HPE Aruba Networking ClearPass and enable HPE Aruba Networking ClearPass Insight:

* Incorrect:

* While ClearPass can provide visibility into user authentication and device activity, it is not specifically designed to detect or mitigate DoS attacks against switches.

C: Implement ARP inspection on all VLANs that support end-user devices:

* Incorrect:

* ARP inspection helps mitigate ARP spoofing or poisoning, but it does not directly address detection of DoS attacks like ICMP or ARP floods.

* It is a preventative measure, not a detection tool.

D: Enabling debugging of security functions on the switches:

* Incorrect:

* Debugging logs can help troubleshoot specific issues but are not practical for real-time detection of DoS attacks.

* Enabling debugging can overload the switch and is not suitable for proactive monitoring.

Final Recommendation

Deploying an NAE agent to monitor CoPP is the best solution because it provides real-time detection, alerting, and insights into traffic patterns that indicate DoS attacks.

References

* AOS-CX Network Analytics Engine (NAE) Configuration Guide.

* HPE Aruba AOS-CX Control Plane Policing Documentation.

* Best Practices for Protecting Switches Against DoS Attacks in Aruba Networks.

NEW QUESTION # 122

A port-access role for AOS-CX switches has this policy applied to it:

plaintext

Copy code

```
port-access policy mypolicy
```

```
10 class ip zoneC action drop
```

```
20 class ip zoneA action drop
```

```
100 class ip zoneB
```

The classes have this configuration:

plaintext

Copy code

```
class ip zoneC
```

```
10 match tcp 10.2.0.0/16 eq https
```

```
class ip zoneA
```

```
10 match ip any 10.1.0.0/16
```

```
class ip zoneB
```

```
10 match ip any 10.0.0.0/8
```

The company wants to permit clients in this role to access 10.2.12.0/24 with HTTPS. What should you do?

- A. Add this rule to zoneC: 5 match any 10.2.12.0/24 eq https
- B. Add this rule to zoneB: 5 match tcp any 10.2.12.0/24 eq https
- C. Add this rule to zoneA: 5 ignore tcp any 10.2.12.0/24 eq https
- D. Add this rule to zoneC: 5 ignore tcp any 10.2.12.0/24 eq https

Answer: A

Explanation:

Comprehensive Detailed Explanation

* The requirement is to permit HTTPS traffic from clients to the 10.2.12.0/24 subnet.

* ZoneC is configured to drop all HTTPS traffic to the 10.2.0.0/16 subnet. Therefore, the first match in the zoneC class (priority 10) will drop the desired traffic.

* To override this behavior, you must add a higher-priority rule (lower rule number) to zoneC that explicitly matches 10.2.12.0/24 and permits the traffic.

Thus, adding the rule 5 match any 10.2.12.0/24 eq https to zoneC ensures the desired traffic is permitted while maintaining the drop behavior for the rest of 10.2.0.0/16.

References

* AOS-CX Role-Based Access Control documentation.

* Understanding class priority and policy rule ordering in AOS-CX.

NEW QUESTION # 123

What is a benefit of Online Certificate Status Protocol (OCSP)?

- A. It lets a device dynamically renew its certificate before the certificate expires.
- B. It lets a device query whether a single certificate is revoked or not.
- C. It lets a device determine whether to trust a certificate without needing any root certificates installed.
- D. It lets a device download all the serial numbers for certificates revoked by a CA at once.

Answer: B

Explanation:

The benefit of the Online Certificate Status Protocol (OCSP) is that it allows a device to query whether a single certificate is revoked or not. OCSP provides a real-time mechanism for checking the revocation status of an individual certificate, enabling devices to verify the validity of certificates quickly and efficiently.

1. Certificate Status Query: OCSP enables devices to send a query to an OCSP responder to check the revocation status of a specific certificate.

2. Real-Time Verification: This protocol offers real-time responses, ensuring that the most up-to-date status of the certificate is obtained.

3. Efficiency: OCSP is more efficient than downloading an entire Certificate Revocation List (CRL), as it only queries the status of one certificate at a time.

Reference: Documentation on certificate management and OCSP describes how OCSP works and its advantages in providing real-time certificate status checks compared to traditional CRLs.

NEW QUESTION # 124

You need to set up an HPE Aruba Networking VIA solution for a customer who needs to support 2100 remote employees. The customer wants employees to download their VIA connection profile from the VPNC. Only employees who authenticate with their domain credentials to HPE Aruba Networking ClearPass Policy Manager (CPPM) should be able to download the profile. (A RADIUS server group for CPPM is already set up on the VPNC.) How do you configure the VPNC to enforce that requirement?

- A. Set up a VIA Authentication Profile that uses CPPM's server group; reference that profile in the VIA Web Authentication Profile.
- B. Create a new VPN Authentication Profile and then reference CPPM's default server group in that profile.
- C. Set up a VIA Authentication Profile that uses CPPM's server group; reference that profile in the VIA Connection Profile.
- D. Reference CPPM's server group in an AAA profile; then, apply that profile to the VPNC's Internet-facing ports.

Answer: A

Explanation:

To configure the HPE Aruba Networking VIA solution for remote employees who need to download their VIA connection profile from the VPN Concentrator (VPNC) and ensure that only those who authenticate with their domain credentials through ClearPass Policy Manager (CPPM) can do so, you need to set up a VIA Authentication Profile. This profile should use the CPPM's RADIUS server group. Once the VIA Authentication Profile is created, you need to reference this profile in the VIA Web Authentication Profile.

This configuration ensures that the authentication process requires employees to validate their credentials via CPPM before they can download the VIA connection profile.

NEW QUESTION # 125

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