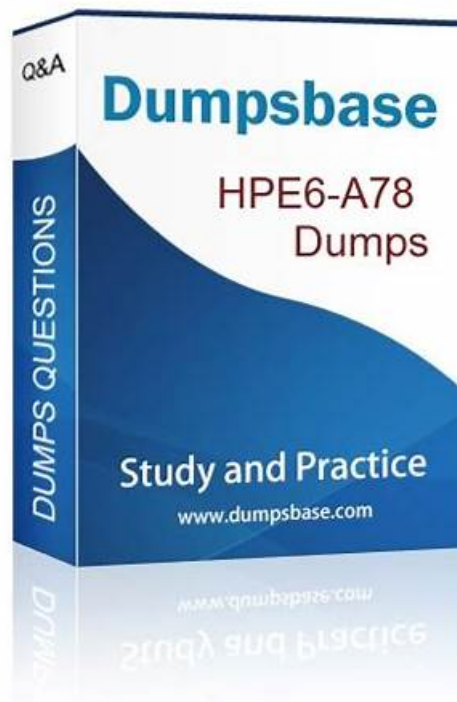


# HPE6-A78 Exam Answers - HPE6-A78 Valid Dumps Sheet



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The Aruba Certified Network Security Associate certification is highly valued in the IT industry and can lead to lucrative career opportunities. It validates the skills and knowledge of individuals who are responsible for the security of wired and wireless networks. The HPE6-A78 Exam is an essential step towards obtaining this certification and is an excellent opportunity for IT professionals to enhance their skills and advance their careers.

## HP Aruba Certified Network Security Associate Exam Sample Questions (Q151-Q156):

### NEW QUESTION # 151

A company has an ArubaOS solution. The company wants to prevent users assigned to the "user\_group1" role from using gaming and peer-to-peer applications.

What is the recommended approach for these requirements?

- A. Make sure DPI is enabled, and add application rules that deny gaming and peer-to-peer applications to the "user\_group1" role.
- B. Create ALGs for the gaming and peer-to-peer applications, and deny the "user\_group1" role on the ALGs.
- C. Create service aliases for the TCP ports associated with gaming and peer-to-peer applications, and use those aliases in access control rules for the "user\_group1" rules.
- D. Add access control rules to the "user\_group1" role, which deny HTTP/HTTPS traffic to IP addresses associated with gaming and peer-to-peer applications.

**Answer: A**

Explanation:

The recommended approach for preventing users in the "user\_group1" role from using gaming and peer-to-peer applications in an ArubaOS environment is to enable Deep Packet Inspection (DPI) and add application rules that specifically deny access to these types of applications for the role. DPI allows the network system to analyze the content of network traffic in real time and apply policies based on what it detects, including blocking specific applications like gaming and peer-to-peer sharing. This capability is essential for effectively managing application usage on the network and ensuring compliance with organizational policies. Application-specific rules provide precise control over the network traffic by identifying the application regardless of the network port used, making it a more effective method than blocking based on ports or IP addresses.

### NEW QUESTION # 152

You are deploying an Aruba Mobility Controller (MC). What is a best practice for setting up secure management access to the ArubaOS Web UI?

- A. Make sure to enable HTTPS for the Web UI and select the self-signed certificate installed in the factory.
- B. Change the default 4343 port for the web UI to TCP 443.
- C. Avoid using external manager authentication for the Web UI.
- D. Install a CA-signed certificate to use for the Web UI server certificate.

**Answer: D**

Explanation:

For securing management access to the ArubaOS Web UI of an Aruba Mobility Controller (MC), it is a best practice to install a certificate signed by a Certificate Authority (CA). This ensures that communications between administrators and the MC are secured with trusted encryption, which greatly reduces the risk of man-in-the-middle attacks. Using a CA-signed certificate enhances the trustworthiness of the connection over self-signed certificates, which do not offer the same level of assurance.

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ArubaOS documentation on management access security.

### NEW QUESTION # 153

How does the ArubaOS firewall determine which rules to apply to a specific client's traffic?

- A. The firewall applies the rules in policies associated with the client's wlan.
- B. The firewall applies the rules in policies associated with the client's user role.
- C. The firewall applies every rule that includes the client's IP address as the source.
- D. The firewall applies every rule that includes the client's IP address as the source or destination.

**Answer: C**

### NEW QUESTION # 154

Refer to the exhibit, which shows the settings on the company's MCs.

You have deployed about 100 new HPE Aruba Networking 335 APs. What is required for the APs to become managed?

- A. Configuring a PAPI key that matches on the APs and MCs
- B. Installing self-signed certificates on the APs
- **C. Approving the APs as authorized APs on the AP whitelist**
- D. Installing CA-signed certificates on the APs

**Answer: C**

Explanation:

The scenario involves an AOS-8 Mobility Controller (MC) with Control Plane Security (CPSec) enabled and auto certificate provisioning disabled. CPSec is a feature that secures the control plane communication between the MC and APs using certificates. When CPSec is enabled, APs must be authorized and trusted by the MC to become managed.

CPSec Enabled, Auto Cert Provisioning Disabled: When CPSec is enabled, APs must have a valid certificate to establish a secure control plane connection with the MC. If auto certificate provisioning is disabled (as shown in the exhibit), the MC does not automatically provision certificates to the APs. Instead, the APs must already have a factory-installed certificate (or a manually installed certificate), and the MC must trust the AP's certificate by having the issuing CA in its trust list. Additionally, the AP must be on the MC's AP whitelist to be authorized.

AP Whitelist: The AP whitelist is a list of authorized APs maintained on the MC (or Mobility Master, MM, if present). For an AP to become managed, its MAC address must be in the whitelist, especially when CPSec is enabled and auto provisioning is disabled. This ensures that only authorized APs can connect to the MC.

Option A, "Installing CA-signed certificates on the APs," is incorrect because HPE Aruba Networking APs, such as the 335 series, come with factory-installed certificates signed by Aruba's CA. These certificates are sufficient for CPSec, provided the MC trusts the Aruba CA (which is typically preconfigured). Manually installing CA-signed certificates is not required unless the factory certificates are not used or trusted.

Option B, "Approving the APs as authorized APs on the AP whitelist," is correct. With CPSec enabled and auto cert provisioning disabled, the APs must be explicitly authorized by adding their MAC addresses to the AP whitelist on the MC. This step ensures that the MC accepts the AP's certificate and allows it to become managed.

Option C, "Installing self-signed certificates on the APs," is incorrect because self-signed certificates are not typically used for CPSec. APs use factory-installed certificates, and the MC must trust the issuing CA. Self-signed certificates would require manual trust configuration on the MC, which is not a standard practice.

Option D, "Configuring a PAPI key that matches on the APs and MCs," is incorrect. PAPI (Protocol for AP Provisioning and Information) keys are used for securing communication between APs and the MC in non-CPSec environments or for specific configurations (e.g., when CPSec is disabled). When CPSec is enabled, certificate-based authentication replaces the need for a PAPI key.

The HPE Aruba Networking AOS-8 8.11 User Guide states:

"When Control Plane Security (CPSec) is enabled and auto certificate provisioning is disabled, APs must be authorized by adding their MAC addresses to the AP whitelist on the Mobility Controller (or Mobility Master). The AP uses its factory-installed certificate to establish a secure control plane connection with the MC. The MC must trust the CA that issued the AP's certificate (e.g., Aruba's CA), and the AP must be in the whitelist to become managed. To add an AP to the whitelist, navigate to Configuration > Access Points > AP Whitelist in the MC UI and add the AP's MAC address." (Page 395, CPSec Configuration Section) Additionally, the HPE Aruba Networking CPSec Deployment Guide notes:

"If auto cert provisioning is disabled, the AP whitelist becomes mandatory for CPSec. Each AP must be explicitly approved by adding its MAC address to the whitelist, ensuring that only authorized APs can connect to the MC. The AP's factory certificate is used for authentication, and no manual certificate installation is required on the AP." (Page 12, CPSec with Manual Provisioning Section)

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HPE Aruba Networking AOS-8 8.11 User Guide, CPSec Configuration Section, Page 395.

HPE Aruba Networking CPSec Deployment Guide, CPSec with Manual Provisioning Section, Page 12.

## NEW QUESTION # 155

What is one benefit of enabling Enhanced Secure mode on an ArubaOS-Switch?

- A. A self-signed certificate is automatically added to the switch trusted platform module (TPM).
- **B. Insecure algorithms for protocol such as SSH are automatically disabled.**
- C. All interfaces have 802.1X authentication enabled on them by default.
- D. Control Plane policing rate limits edge ports to mitigate DoS attacks on network servers.

**Answer: B**

In the context of ArubaOS-Switches, enabling Enhanced Secure mode has several benefits, one of which includes disabling insecure algorithms for protocols such as SSH. This is in line with security best practices, as older, less secure algorithms are known to be vulnerable to various types of cryptographic attacks. When Enhanced Secure mode is enabled, the switch automatically restricts the use of such algorithms, thereby enhancing the security of management access.

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