

Exam Questions HPE6-A78

Aruba Certified Network Security Associate Exam

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NEW QUESTION 1

Refer to the exhibit.

MOBILITY CONTROLLER
Aruba_MC

ACCESS POINTS 1 CLIENTS 0 ALERTS 0

Mobility Controller > Aruba_MC

Dashboard
Configuration
WLANs
Roles & Policies
Access Points
AP Groups
Authentication
Services
Interfaces
System
Tasks
Aruba7030-US, 8.6.0.3

Auth Servers AAA Profiles L2 Authentication L3 Authentication User Rules Advanced

Server Groups 3

NAME	SERVICES	FAIL THROUGH	LOAD BALANCE	SERVER RULES
default	1	--	--	1
internal	1	--	--	1
MyEmployees_dot1_svg	1	--	--	0

+

Server Group > MyEmployees_dot1_svg Servers Options Server Rules

NAME	TYPE	IP ADDRESS	TRIM FQDN	MATCH RULES
clearpass	RADIUS	10.5.5.5	--	0

You have set up a RADIUS server on an ArubaOS Mobility Controller (MC) when you created a WLAN named "MyEmployees". You now want to enable the MC to accept change of authorization (CoA) messages from this server for wireless sessions on this WLAN.

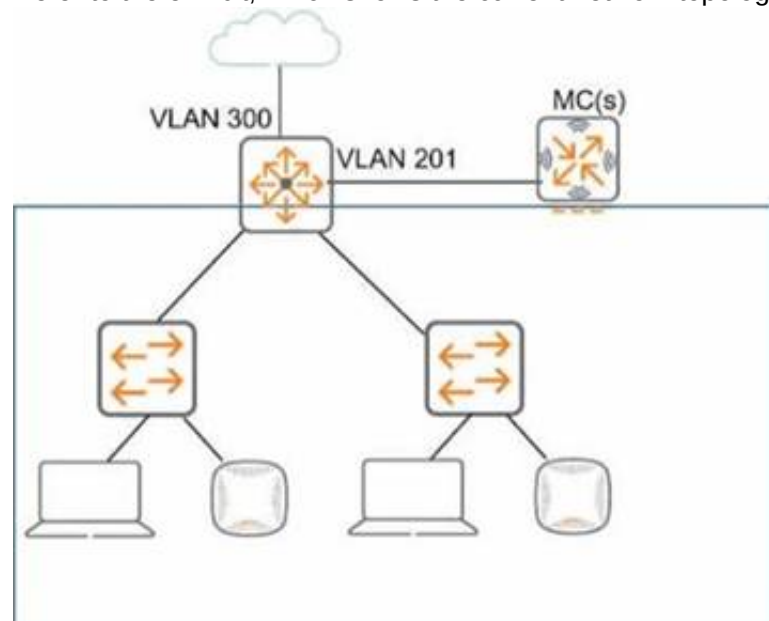
What is a part of the setup on the MC?

- A. Create a dynamic authorization, or RFC 3576, server with the 10.5.5.5 address and correct shared secret.
- B. Install the root CA associated with the 10.5.5.5 server's certificate as a Trusted CA certificate.
- C. Configure a ClearPass username and password in the MyEmployees AAA profile.
- D. Enable the dynamic authorization setting in the "clearpass" authentication server settings.

Answer: B

NEW QUESTION 2

Refer to the exhibit, which shows the current network topology.



You are deploying a new wireless solution with an Aruba Mobility Master (MM), Aruba Mobility Controllers (MCs), and campus APs (CAPs). The solution will include a WLAN that uses Tunnel for the forwarding mode and implements WPA3-Enterprise security.

What is a guideline for setting up the VLAN for wireless devices connected to the WLAN?

- A. Assign the WLAN to a single new VLAN which is dedicated to wireless users.
- B. Use wireless user roles to assign the devices to different VLANs in the 100-150 range.
- C. Assign the WLAN to a named VLAN which specified 100-150 as the range of IDs.
- D. Use wireless user roles to assign the devices to a range of new VLAN IDs.

Answer: B

NEW QUESTION 3

What is one difference between EAP-Tunneled Layer security (EAP-TLS) and Protected EAP (PEAP)?

- A. EAP-TLS creates a TLS tunnel for transmitting user credentials, while PEAP authenticates the server and supplicant during a TLS handshake.
- B. EAP-TLS requires the supplicant to authenticate with a certificate, but PEAP allows the supplicant to use a username and password.
- C. EAP-TLS begins with the establishment of a TLS tunnel, but PEAP does not use a TLS tunnel as part of its process.
- D. EAP-TLS creates a TLS tunnel for transmitting user credentials securely while PEAP protects user credentials with TKIP encryption.

Answer: B

NEW QUESTION 4

What are some functions of an ArubaOS user role?

- A. The role determines which authentication methods the user must pass to gain network access
- B. The role determines which firewall policies and bandwidth contract apply to the clients traffic
- C. The role determines which wireless networks (SSiDs) a user is permitted to access
- D. The role determines which control plane ACL rules apply to the client's traffic

Answer: A

NEW QUESTION 5

What is an Authorized client as defined by ArubaOS Wireless Intrusion Prevention System (WIP)?

- A. a client that has a certificate issued by a trusted Certification Authority (CA)
- B. a client that is not on the WIP blacklist
- C. a client that has successfully authenticated to an authorized AP and passed encrypted traffic
- D. a client that is on the WIP whitelist.

Answer: C

NEW QUESTION 6

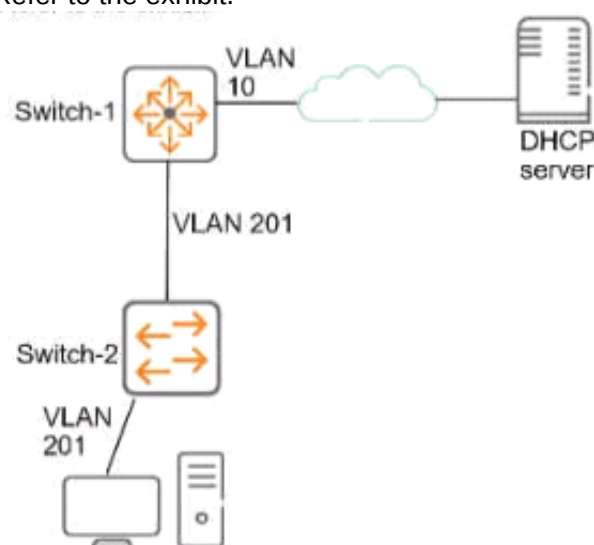
A company has an Aruba solution with a Mobility Master (MM) Mobility Controllers (MCs) and campus Aps. What is one benefit of adding Aruba Airwave from the perspective of forensics?

- A. Airwave can provide more advanced authentication and access control services for the ArubaOS solution
- B. Airwave retains information about the network for much longer periods than ArubaOS solution
- C. Airwave is required to activate Wireless Intrusion Prevention (WIP) services on the ArubaOS solution
- D. AirWave enables low level debugging on the devices across the ArubaOS solution

Answer: C

NEW QUESTION 7

Refer to the exhibit.



This company has ArubaOS-Switches. The exhibit shows one access layer switch, Switch-2, as an example, but the campus actually has more switches. The company wants to stop any internal users from exploiting ARP

What is the proper way to configure the switches to meet these requirements?

- A. On Switch-1, enable ARP protection globally, and enable ARP protection on all VLANs.
- B. On Switch-2, make ports connected to employee devices trusted ports for ARP protection
- C. On Switch-2, enable DHCP snooping globally and on VLAN 201 before enabling ARP protection
- D. On Switch-2, configure static IP-to-MAC bindings for all end-user devices on the network

Answer: D

NEW QUESTION 8

What is symmetric encryption?

- A. It simultaneously creates ciphertext and a same-size MAC.
- B. It any form of encryption that ensures that the ciphertext is the same length as the plaintext.
- C. It uses the same key to encrypt plaintext as to decrypt ciphertext.
- D. It uses a Key that is double the size of the message which it encrypts.

Answer: C

NEW QUESTION 9

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

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

Answer: A

NEW QUESTION 10

A company has Aruba Mobility Controllers (MCs). Aruba campus APs. and ArubaOS-CX switches. The company plans to use ClearPass Policy Manager (CPPM) to classify endpoints by type. The ClearPass admins tell you that they want to run Network scans as part of the solution. What should you do to configure the infrastructure to support the scans?

- A. Create a TA profile on the ArubaOS-Switches with the root CA certificate for ClearPass's HTTPS certificate
- B. Create device fingerprinting profiles on the ArubaOS-Switches that include SNMP
- C. and apply the profiles to edge ports
- D. Create remote mirrors on the ArubaOS-Switches that collect traffic on edge ports, and mirror it to CPPM's IP address.
- E. Create SNMPv3 users on ArubaOS-CX switches, and make sure that the credentials match those configured on CPPM

Answer: B

NEW QUESTION 10

What is one way a noneypt can be used to launch a man-in-the-middle (MITM) attack to wireless clients?

- A. it uses a combination of software and hardware to jam the RF band and prevent the client from connecting to any wireless networks
- B. it runs an NMap scan on the wireless client to find the client's MAC and IP address
- C. The hacker then connects to another network and spoofs those addresses.
- D. it examines wireless clients' probes and broadcasts the SSIDs in the probes, so that wireless clients will connect to it automatically.
- E. it uses ARP poisoning to disconnect wireless clients from the legitimate wireless network and force clients to connect to the hacker's wireless network instead.

Answer: D

NEW QUESTION 11

Which is a correct description of a stage in the Lockheed Martin kill chain?

- A. In the delivery stage, malware collects valuable data and delivers or exfiltrates it to the hacker.
- B. In the reconnaissance stage, the hacker assesses the impact of the attack and how much information was exfiltrated.
- C. In the weaponization stage, which occurs after malware has been delivered to a system, the malware executes its function.
- D. In the exploitation and installation phases, malware creates a backdoor into the infected system for the hacker.

Answer: B

NEW QUESTION 13

You are configuring ArubaOS-CX switches to tunnel client traffic to an Aruba Mobility Controller (MC). What should you do to enhance security for control channel communications between the switches and the MC?

- A. Create one UBT zone for control traffic and a second UBT zone for clients.
- B. Configure a long, random PAPI security key that matches on the switches and the MC.
- C. install certificates on the switches, and make sure that CPsec is enabled on the MC
- D. Make sure that the UBT client vlan is assigned to the interface on which the switches reach the MC and only that interface.

Answer: C

NEW QUESTION 18

What is a key feature of the ArubaOS firewall?

- A. The firewall is stateful which means that it can track client sessions and automatically allow return traffic for permitted sessions
- B. The firewall includes application layer gateways (ALGs). which it uses to filter Web traffic based on the reputation of the destination web site.
- C. The firewall examines all traffic at Layer 2 through Layer 4 and uses source IP addresses as the primary way to determine how to control traffic.
- D. The firewall is designed to filter traffic primarily based on wireless 802.11 headers, making it ideal for mobility environments

Answer: B

NEW QUESTION 19

You have an Aruba Mobility Controller (MC). for which you are already using Aruba ClearPass Policy Manager (CPPM) to authenticate access to the Web UI with usernames and passwords. You now want to enable managers to use certificates to log in to the Web UI. CPPM will continue to act as the external server to check the names in managers' certificates and tell the MC the managers' correct role in addition to enabling certificate authentication. What is a step that you should complete on the MC?

- A. Verify that the MC has the correct certificates, and add RadSec to the RADIUS server configuration for CPPM
- B. install all of the managers' certificates on the MC as OSCP Responder certificates
- C. Verify that the MC trusts CPPM's HTTPS certificate by uploading a trusted CA certificate. Also, configure a CPPM username and password on the MC
- D. Create a local admin account that uses certificates in the account, specify the correct trusted CA certificate and external authentication

Answer: A

NEW QUESTION 24

What is a benefit of Protected Management Frames (PMF). sometimes called Management Frame Protection (MFP)?

- A. PMF helps to protect APs and MCs from unauthorized management access by hackers.
- B. PMF ensures that traffic between APs and Mobility Controllers (MCs) is encrypted.
- C. PMF prevents hackers from capturing the traffic between APs and Mobility Controllers.
- D. PMF protects clients from DoS attacks based on forged de-authentication frames

Answer:

A

NEW QUESTION 26

What is a vulnerability of an unauthenticated Dime-Heliman exchange?

- A. A hacker can replace the public values exchanged by the legitimate peers and launch an MITM attack.
- B. A brute force attack can relatively quickly derive Diffie-Hellman private values if they are able to obtain public values
- C. Diffie-Hellman with elliptic curve values is no longer considered secure in modern networks, based on NIST recommendations.
- D. Participants must agree on a passphrase in advance, which can limit the usefulness of Diffie- Hell man in practical contexts.

Answer: A

NEW QUESTION 28

What is one practice that can help you to maintain a digital chain or custody In your network?

- A. Enable packet capturing on Instant AP or Moodily Controller (MC) datapath on an ongoing basis
- B. Enable packet capturing on Instant AP or Mobility Controller (MC) control path on an ongoing basis.
- C. Ensure that all network infrastructure devices receive a valid clock using authenticated NTP
- D. Ensure that all network Infrastructure devices use RADIUS rather than TACACS+ to authenticate managers

Answer: A

NEW QUESTION 30

What is a guideline for managing local certificates on an ArubaOS-Switch?

- A. Before installing the local certificate, create a trust anchor (TA) profile with the root CA certificate for the certificate that you will install
- B. Install an Online Certificate Status Protocol (OCSP) certificate to simplify the process of enrolling and re-enrolling for certificate
- C. Generate the certificate signing request (CSR) with a program offline, then, install both the certificate and the private key on the switch in a single file.
- D. Create a self-signed certificate online on the switch because ArubaOS-Switches do not support CA-signed certificates.

Answer: C

NEW QUESTION 32

Refer to the exhibit.

```
Switch# show crypto host-public-key fingerprint
3072 9c:04:01:0e:e6:93:b1:4e:1f:f6:9b:a9:74:9e:c0:f9: host_ssh2.pu
```

How can you use the thumbprint?

- A. Install this thumbprint on management stations to use as two-factor authentication along with manager usernames and passwords, this will ensure managers connect from valid stations
- B. Copy the thumbprint to other Aruba switches to establish a consistent SSH Key for all switches this will enable managers to connect to the switches securely with less effort
- C. When you first connect to the switch with SSH from a management station, make sure that the thumbprint matches to ensure that a man-in-the-middle (MITM) attack is not occurring
- D. install this thumbprint on management stations the stations can then authenticate with the thumbprint instead of admins having to enter usernames and passwords.

Answer: C

NEW QUESTION 36

What is a benefit of using network aliases in ArubaOS firewall policies?

- A. You can associate a reputation score with the network alias to create rules that filter traffic based on reputation rather than IP.
- B. You can use the aliases to translate client IP addresses to other IP addresses on the other side of the firewall
- C. You can adjust the IP addresses in the aliases, and the rules using those aliases automatically update
- D. You can use the aliases to conceal the true IP addresses of servers from potentially untrusted clients.

Answer: A

NEW QUESTION 39

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

Answer: C

NEW QUESTION 43

A company has an ArubaOS controller-based solution with a WPA3-Enterprise WLAN. which authenticates wireless clients to Aruba ClearPass Policy Manager (CPPM). The company has decided to use digital certificates for authentication A user's Windows domain computer has had certificates installed on it However, the Networks and Connections window shows that authentication has failed for the user. The Mobility Controllers (MC's) RADIUS events show that it is receiving Access-Rejects for the authentication attempt.

What is one place that you can look for deeper insight into why this authentication attempt is failing?

- A. the reports generated by Aruba ClearPass Insight
- B. the RADIUS events within the CPPM Event Viewer
- C. the Alerts tab in the authentication record in CPPM Access Tracker
- D. the packets captured on the MC control plane destined to UDP 1812

Answer: C

NEW QUESTION 47

Which attack is an example of social engineering?

- A. An email is used to impersonate a bank and trick users into entering their bank login information on a fake website page.
- B. A hacker eavesdrops on insecure communications, such as Remote Desktop Program (RDP), and discovers login credentials.
- C. A user visits a website and downloads a file that contains a worm, which self-replicates throughout the network.
- D. An attack exploits an operating system vulnerability and locks out users until they pay the ransom.

Answer: A

NEW QUESTION 51

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