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HP Aruba Certified Network Security Associate Exam Sample Questions (Q115-Q120):

NEW QUESTION # 115

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

Answer: B

Explanation:

To configure the infrastructure to support network scans as part of the ClearPass Policy Manager (CPPM) solution, creating SNMPv3 users on ArubaOS-CX switches is necessary. Ensuring that the credentials for these SNMPv3 users match those configured on CPPM is crucial for enabling CPPM to perform network scans effectively. SNMPv3 provides a secure method for network management by offering authentication and encryption, which are essential for safely conducting scans that classify endpoints by type. This configuration allows CPPM to communicate securely with the switches and gather necessary data without compromising network security.

:

ArubaOS-CX configuration manuals that discuss SNMP settings.

Network management and security guidelines that emphasize the importance of secure SNMP configurations for network scanning and monitoring.

NEW QUESTION # 116

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 WPA3-Enterprise for the security option.

You have decided to assign the WLAN to VLAN 301, a new VLAN. A pair of core routing switches will act as the default router for wireless user traffic.

Which links need to carry VLAN 301?

- A. only links on the path between APs and the MC
- B. only links in the campus LAN to ensure seamless roaming
- C. only links on the path between APs and the core routing switches
- **D. only links between MC ports and the core routing switches**

Answer: D

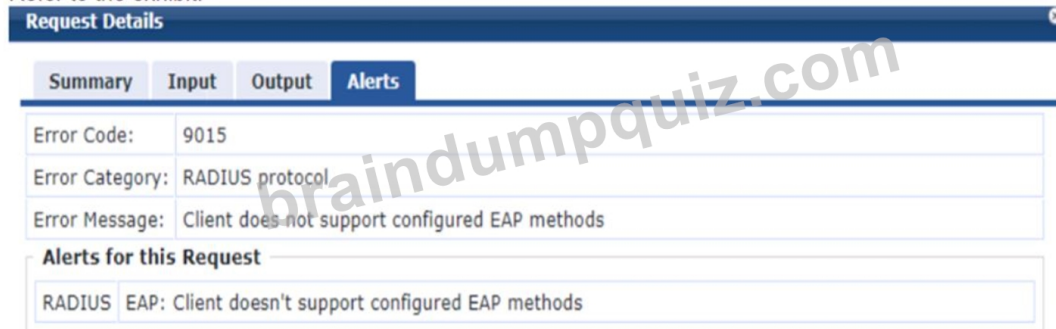
Explanation:

In a wireless network deployment with Aruba Mobility Master (MM), Mobility Controllers (MCs), and Campus APs (CAPs), where a WLAN is configured to use Tunnel mode for forwarding, the user traffic is tunneled from the APs to the MCs. VLAN 301, which is assigned to the WLAN, must be present on the links from the MCs to the core routing switches because these switches act as the default router for the wireless user traffic. It is not necessary for the VLAN to be present on all campus LAN links or AP links, only between the MCs and the core routing switches where the routing for VLAN 301 will occur.

NEW QUESTION # 117

Refer to the exhibit.

Refer to the exhibit.



The screenshot shows a 'Request Details' window with a blue header. Below the header are four tabs: 'Summary', 'Input', 'Output', and 'Alerts'. The 'Alerts' tab is selected. The main area displays the following information:

Error Code:	9015
Error Category:	RADIUS protocol
Error Message:	Client does not support configured EAP methods

Below this table is a section titled 'Alerts for this Request' containing a single alert:

RADIUS	EAP: Client doesn't support configured EAP methods
--------	--

An HP logo is visible on the right side of the screenshot.

A company has an Aruba Instant AP cluster. A Windows 10 client is attempting to connect a WLAN that enforces WPA3-Enterprise with authentication to ClearPass Policy Manager (CPPM). CPPM is configured to require EAP-TLS. The client authentication fails. In the record for this client's authentication attempt on CPPM, you see this alert.

What is one thing that you check to resolve this issue?

- A. whether the client has a valid certificate installed on it to let it support EAP-TLS
- B. whether the client has a third-party 802.1 X supplicant, as Windows 10 does not support EAP-TLS
- C. whether EAP-TLS is enabled in the AAA Profile settings for the WLAN on the IAP cluster
- D. whether EAP-TLS is enabled in the SSID Profile settings for the WLAN on the IAP cluster

Answer: A

Explanation:

In the context of WPA3-Enterprise with EAP-TLS authentication, the error message "Client doesn't support configured EAP methods" suggests that the client is not able to complete the EAP-TLS authentication process. EAP-TLS requires that both the server (in this case, CPPM) and the client have a valid certificate for mutual authentication. Windows 10 does support EAP-TLS natively, so options A, C, and D can be ruled out.

The most likely reason for the authentication failure is that the client device does not have the correct client certificate installed, which is required to establish a TLS session with the server. Therefore, ensuring that the client has a valid certificate installed that matches the server's requirements is the correct step to resolve this issue.

NEW QUESTION # 118

A client has accessed an HTTPS server at myhost1.example.com using Chrome. The server sends a certificate that includes these properties:

Subject name: myhost.example.com

SAN: DNS: myhost.example.com; DNS: myhost1.example.com

Extended Key Usage (EKU): Server authentication

Issuer: MyCA_Signing

The server also sends an intermediate CA certificate for MyCA_Signing, which is signed by MyCA. The client's Trusted CA Certificate list does not include the MyCA or MyCA_Signing certificates.

Which factor or factors prevent the client from trusting the certificate?

- A. The certificate lacks the correct EKU.
- B. The certificate lacks a valid SAN, and the client does not have the correct trusted CA certificates.
- C. The certificate lacks a valid SAN.
- D. The client does not have the correct trusted CA certificates.

Answer: D

Explanation:

When a client (e.g., a Chrome browser) accesses an HTTPS server, the server presents a certificate to establish a secure connection. The client must validate the certificate to trust the server. The certificate in this scenario has the following properties:

Subject name: myhost.example.com

SAN (Subject Alternative Name): DNS: myhost.example.com; DNS: myhost1.example.com Extended Key Usage (EKU): Server authentication Issuer: MyCA_Signing (an intermediate CA) The server also sends an intermediate CA certificate for MyCA_Signing, signed by MyCA (the root CA).

The client's Trusted CA Certificate list does not include MyCA or MyCA_Signing.

Certificate Validation Process:

Name Validation: The client checks if the server's hostname (myhost1.example.com) matches the Subject name or a SAN in the certificate. Here, the SAN includes "myhost1.example.com," so the name validation passes.

EKU Validation: The client verifies that the certificate's EKU includes "Server authentication," which is required for HTTPS. The EKU is correctly set to "Server authentication," so this validation passes.

Chain of Trust Validation: The client builds a certificate chain from the server's certificate to a trusted root CA in its Trusted CA Certificate list. The chain is:

Server certificate (issued by MyCA_Signing)

Intermediate CA certificate (MyCA_Signing, issued by MyCA)

Root CA certificate (MyCA, which should be in the client's trust store) The client's Trusted CA Certificate list does not include MyCA or MyCA_Signing, meaning the client cannot build a chain to a trusted root CA. This causes the validation to fail.

Option A, "The client does not have the correct trusted CA certificates," is correct. The client's trust store must include the root CA (MyCA) to trust the certificate chain. Since MyCA is not in the client's Trusted CA Certificate list, the client cannot validate the chain, and the certificate is not trusted.

Option B, "The certificate lacks a valid SAN," is incorrect. The SAN includes "myhost1.example.com," which matches the server's hostname, so the SAN is valid.

Option C, "The certificate lacks the correct EKU," is incorrect. The EKU is set to "Server authentication," which is appropriate for HTTPS.

Option D, "The certificate lacks a valid SAN, and the client does not have the correct trusted CA certificates," is incorrect because the SAN is valid, as explained above. The only issue is the missing trusted CA certificates.

The HPE Aruba Networking AOS-CX 10.12 Security Guide states:

"For a client to trust a server's certificate during HTTPS communication, the client must validate the certificate chain to a trusted root CA in its trust store. If the root CA (e.g., MyCA) or intermediate CA (e.g., MyCA_Signing) is not in the client's Trusted CA Certificate list, the chain of trust cannot be established, and the client will reject the certificate. The Subject Alternative Name (SAN) must include the server's hostname, and the Extended Key Usage (EKU) must include 'Server authentication' for HTTPS." (Page 205, Certificate Validation Section) Additionally, the HPE Aruba Networking Security Fundamentals Guide notes:

"A common reason for certificate validation failure is the absence of the root CA certificate in the client's trust store. For example, if a server's certificate is issued by an intermediate CA (e.g., MyCA_Signing) that chains to a root CA (e.g., MyCA), the client must have the root CA certificate in its Trusted CA Certificate list to trust the chain." (Page 45, Certificate Trust Issues Section)

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HPE Aruba Networking AOS-CX 10.12 Security Guide, Certificate Validation Section, Page 205.

HPE Aruba Networking Security Fundamentals Guide, Certificate Trust Issues Section, Page 45.

NEW QUESTION # 119

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

Answer: C

NEW QUESTION # 120

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