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QUESTION 1

List the WPA 4-Way Handshake functions in the correct order.

Select and Place:

Function

Distributes an encrypted GTK to the client

Exchanges messages for generating PTK

Proves knowledge of the PMK

Sets first initialization vector (IV)

Order

Correct Answer:

Function

Order

Proves knowledge of the PMK

Exchanges messages for generating PTK

Distributes an encrypted GTK to the client

Sets first initialization vector (IV)



QUESTION 2

A customer is looking for a wireless authentication solution for all of their IoT devices that meet the following requirements

- The wireless traffic between the IoT devices and the Access Points must be encrypted
- Unique passphrase per device
- Use fingerprint information to perform role-based access

Which solutions will address the customer's requirements? (Select two.)

- A. MPSK and an internal RADIUS server
- B. MPSK Local with MAC Authentication
- C. ClearPass Policy Manager
- D. MPSK Local with EAP-TLS
- E. Local User Derivation Rules

Correct Answer: CD

Explanation: The correct answers are C and D. MPSK (Multi Pre-Shared Key) is a feature that allows multiple PSKs to be used on a single SSID, providing device-specific or group-specific passphrases for enhanced security and deployment flexibility for headless IoT devices¹. MPSK requires MAC authentication against a ClearPass Policy Manager server, which returns the encrypted passphrase for the device in a RADIUS VSA². ClearPass Policy Manager is a platform that provides role- and device-based network access control for any user across any wired, wireless and VPN infrastructure³. ClearPass Policy Manager can also use device profiling and posture assessment to assign roles based on device fingerprint information⁴. MPSK Local is a variant of MPSK that allows the user to configure up to 24 PSKs per SSID locally on the device, without requiring ClearPass Policy Manager⁵. MPSK Local can be combined with EAP-TLS (Extensible Authentication Protocol-Transport Layer Security), which is a secure authentication method that uses certificates to encrypt the wireless traffic between the IoT devices and the access points⁶. EAP-TLS can also use device certificates to perform role-based access control⁶. Therefore, both ClearPass Policy Manager and MPSK Local with EAP-TLS can meet the customer's requirements for wireless authentication, encryption, unique passphrase, and role-based access for their IoT devices. MPSK and an internal RADIUS server is not a valid solution, because MPSK does not support internal RADIUS servers and requires ClearPass Policy Manager⁷⁸⁹. MPSK Local with MAC Authentication is not a valid solution, because MAC Authentication does not encrypt the wireless traffic or use fingerprint information for role-based access². Local User Derivation Rules are not a valid solution, because they do not provide unique passphrase per device or use fingerprint information for role-based access¹⁰¹¹¹².

QUESTION 3

you are implementing ClearPass Policy Manager with EAP-TLS for authenticating all corporate-owned devices.

What are two possible solutions to the problem of deploying client certificates to corporate MacBooks that are joined to a Windows domain? (Select two.)

- A. ClearPass OnBoard
- B. Windows Server PKI and a GPO



- C. Apple Configurator and a GPO
- D. ClearPass OnGuard
- E. Mobile Device Manager

Correct Answer: AB

Explanation: The reason is that ClearPass OnBoard is a tool that allows you to enroll Mac computers into a ClearPass Policy Manager site using an Apple MDM push certificate. This certificate can be obtained from Apple or from a third-party PKI provider. Apple Configurator is a tool that allows you to configure and deploy Mac computers using a GPO. This tool can also be used to enroll Mac computers into a ClearPass Policy Manager site using an Apple MDM push certificate.

QUESTION 4

With Aruba CX 6300. how do you configure ip address 10 10 10 1 for the interface in default state for interface 1/1/1?

- A. int 1/1/1. switching, ip address 10 10 10 1/24
- B. int 1/1/1. no switching, ip address 10 10 10.1/24
- C. int 1/1/1. ip address 10.10.10.1/24
- D. int 1/1/1. routing, ip address 10.10.10 1/24

Correct Answer: B

Explanation: To configure an IP address for an interface in default state for interface 1/1/1 on Aruba CX 6300 switch, you need to disable switching on the interface first with the command no switching. Then you can assign an IP address with the command ip address. The other options are incorrect because they either do not disable switching or use invalid keywords such as switching or routing. References: https://www.arubanetworks.com/techdocs/AOS-CX_10_08/UG/bk01-ch01.html https://www.arubanetworks.com/techdocs/AOS-CX_10_08/UG/bk01-ch02.html

QUESTION 5

How is Multicast Transmission Optimization implemented in an HPE Aruba wireless network?

- A. "The optimal rate for sending multicast frames is based on the highest broadcast rate across all associated clients
- B. When this option is enabled the minimum default rate for multicast traffic is set to 12 Mbps for 5 GHz
- C. The optimal rate for sending multicast frames is based on the lowest broadcast rate across all associated clients.
- D. The optimal rate for sending multicast frames is based on the lowest unicast rate across all associated clients.

Correct Answer: D

Explanation: multicast transmission optimization is a feature that allows the IAP to select the optimal rate for sending broadcast and multicast frames based on the lowest of unicast rates across all associated clients¹. When this option is enabled, multicast traffic can be sent at up to 24 Mbps. The default rate for sending frames for 2.4 GHz is 1 Mbps and 5.0 GHz is 6 Mbps. This option is disabled by default¹.



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