Vendor: CWNP

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Professional

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QUESTION 1
Your network implements an 802.1X/EAP-based wireless security solution. A WLAN controller is installed and manages seven APs. FreeRADIUS is used for the RADIUS server and is installed on a dedicated server named SRV21. One example client is a MacBook Pro with 8 GB RAM. What device functions as the 802.1X/ EAP Authenticator?

A. WLAN Controller/AP
B. MacBook Pro
C. SRV21
D. RADIUS server

Answer: A

QUESTION 2
In an IEEE 802.11-compliant WLAN, when is the 802.1X Controlled Port placed into the unblocked state?

A. After EAP authentication is successful
B. After Open System authentication
C. After the 4-Way Handshake
D. After any Group Handshake

Answer: A

QUESTION 3
When using a tunneled EAP type, such as PEAP, what component is protected inside the TLS tunnel so that it is not sent in clear text across the wireless medium?

A. Server credentials
B. User credentials
C. RADIUS shared secret
D. X.509 certificates

Answer: B

QUESTION 4
What protocol, listed here, allows a network manager to securely administer the network?

A. TFTP
B. Telnet
C. HTTPS
D. SNMPv2

Answer: C

QUESTION 5
XYZ Company has recently installed a controller-based WLAN and is using a RADIUS server to query authentication requests to an LDAP server. XYZ maintains user-based access policies and would like to use the RADIUS server to facilitate network authorization. What RADIUS feature

could be used by XYZ to assign the proper network permissions to users during authentications?

A. RADIUS can reassign a client's 802.11 association to a new SSID by referencing a username-to-SSID mapping table in the LDAP user database.
B. The RADIUS server can support vendor-specific attributes in the ACCESS-ACCEPT response, which can be used for user policy assignment.
C. The RADIUS server can communicate with the DHCP server to issue the appropriate IP address and VLAN assignment to users.
D. RADIUS can send a DO-NOT-AUTHORIZE demand to the authenticator to prevent the STA from gaining access to specific files, but may only employ this in relation to Linux servers.

Answer: B

QUESTION 6
Role-Based Access Control (RBAC) allows a WLAN administrator to perform what network function?

A. Provide two or more user groups connected to the same SSID with different levels of network privileges.
B. Allow access to specific files and applications based on the user's WMM access category.
C. Allow simultaneous support for multiple EAP types on a single access point.
D. Minimize traffic load on an AP by requiring mandatory admission control for use of the Voice access category.

Answer: A

QUESTION 7
A large enterprise is designing a secure, scalable, and manageable 802.11n WLAN that will support thousands of users. The enterprise will support both 802.1X/ EAP-TTLS and PEAPv0/MSCHAPv2. Currently, the company is upgrading network servers as well and will replace their existing Microsoft IAS implementation with Microsoft NPS, querying Active Directory for user authentication. For this organization, as they update their WLAN infrastructure, what WLAN controller feature will likely be least valuable?

A. SNMPv3 support
B. 802.1Q VLAN trunking
C. Internal RADIUS server
D. WIPS support and integration
E. WPA2-Enterprise authentication/encryption

Answer: C

QUESTION 8
ABC Company is implementing a secure 802.11 WLAN at their headquarters (HQ) building in New York and at each of the 10 small, remote branch offices around the United States. 802.1X/EAP is ABC's preferred security solution, where possible. All access points (at the HQ building and all branch offices) connect to a single WLAN controller located at HQ. Each branch office has only a single AP and minimal IT resources. What security best practices should be followed in this deployment scenario?

A. Remote management of the WLAN controller via Telnet, SSH, HTTP, and HTTPS should be

prohibited across the WAN link.
B. RADIUS services should be provided at branch offices so that authentication server and suppliant credentials are not sent over the Internet.
C. An encrypted VPN should connect the WLAN controller and each remote controller-based AP, or each remote site should provide an encrypted VPN tunnel to HQ.
D. APs at HQ and at each branch office should not broadcast the same SSID; instead each branch should have a unique ID for user accounting purposes.

Answer: C

QUESTION 9
ABC Company is an Internet Service Provider with thousands of customers. ABC's customers are given login credentials for network access when they become a customer. ABC uses an LDAP server as the central user credential database. ABC is extending their service to existing customers in some public access areas and would like to use their existing database for authentication. How can ABC Company use their existing user database for wireless user authentication as they implement a large-scale WPA2-Enterprise WLAN security solution?

A. Implement a RADIUS server and query user authentication requests through the LDAP server.
B. Mirror the LDAP server to a RADIUS database within a WLAN controller and perform daily backups to synchronize the user databases.
C. Import all users from the LDAP server into a RADIUS server with an LDAP-to-RADIUS conversion tool.
D. Implement an X.509 compliant Certificate Authority and enable SSL queries on the LDAP server.

Answer: A

QUESTION 10
ABC Company has recently installed a WLAN controller and configured it to support WPA2-Enterprise security. The administrator has configured a security profile on the WLAN controller for each group within the company (Marketing, Sales, and Engineering). How are authenticated users assigned to groups so that they receive the correct security profile within the WLAN controller?

A. The RADIUS server sends the list of authenticated users and groups to the WLAN controller as part of a 4-Way Handshake prior to user authentication.
B. The WLAN controller polls the RADIUS server for a complete list of authenticated users and groups after each user authentication.
C. The RADIUS server sends a group name return list attribute to the WLAN controller during every successful user authentication.
D. The RADIUS server forwards the request for a group attribute to an LDAP database service, and LDAP sends the group attribute to the WLAN controller.

Answer: C

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