200-355^{Q&As}

Implementing Cisco Wireless Network Fundamentals

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QUESTION 1

During the deployment of a wireless network for data and location services, an engineer is to fine-tune the location services. What is this type of survey called?

A. passive fingerprinting

B. passive calibrating

C. active fingerprinting

D. active calibrating

Correct Answer: A

QUESTION 2

What is the IEEE name for a group of access points that are connected by using the Ethernet?

A. ESS

B. BSS

C. IBSS

D. ISS

Correct Answer: A

The wired section of the network that can be reached through the AP is called, from the perspective of the wireless side, the Distribution System (DS). When the distribution system links two APs, or two cells, via Ethernet, the group is called an Extended Service Set (ESS).

QUESTION 3

Which key is established using the four-way handshake during the WPA authentication process?

A. Pairwise Master Key

B. Pairwise Multiple Key

C. Pairwise Session Key

D. Pairwise Transient Key

E. Pairwise Transverse Key

Correct Answer: D

The authentication process leaves two considerations: the access point (AP) still needs to authenticate itself to the client station (STA), and keys to encrypt the traffic need to be derived. The earlier EAP exchange or WPA2-PSK configuration

has provided the shared secret key PMK (Pairwise Master Key). To derive the PMK from the WPA-PSK, the PSK is put through PBKDF2-SHA1 as the cryptographic hash function. This key is, however, designed to last the entire session and should be exposed as little as possible. Therefore the four-way handshake is used to establish another key called the PTK (Pairwise Transient Key). The PTK is generated by concatenating the following attributes: PMK, AP nonce (ANonce), STA nonce (SNonce), AP MAC address, and STA MAC address. The product is then put through a pseudo random function. http://en.wikipedia.org/wiki/IEEE_802.11i-2004

QUESTION 4

What are the interface statuses of a lightweight AP working in rogue-detection mode?

A. radios turned off, Ethernet interface up

B. radios and Ethernet interfaces up

C. radios turned on, Ethernet interface shut down

D. radios turned on, Ethernet interface status controlled by Cisco WLC

Correct Answer: A

In this mode, the AP radio is turned off, and the AP listens to wired traffic only. The controller passes the APs configured as rogue detectors as well as lists of suspected rogue clients and AP MAC addresses. The rogue detector listens for ARP packets only, and can be connected to all broadcast domains through a trunk link if desired.

http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/70987-rogue-detect.html

QUESTION 5

Which type of authentication is used initially by a controller-based AP so that a guest client can get an IP address?

A. 802.1x

B. EAP

C. LEAP

D. open authentication

E. TLS

F. SSL

Correct Answer: D

Open authentication allows any device to authenticate and then attempt to communicate with the access point. Using open authentication, any wireless device can authenticate with the access point, but the device can communicate only if its Wired Equivalent Privacy (WEP) keys match the access point\'s WEP keys. Devices that are not using WEP do not attempt to authenticate with an access point that is using WEP. Open authentication does not rely on a RADIUS server on your network. http://www.cisco.com/c/en/us/td/docs/routers/access/wireless/software/guide/SecurityAuthenticationTypes.html#wp1035025

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