IBM

CWAP-402

Certified Wireless Analysis Professional (CWAP)

You are considering disabling the data rates of 1, 2, 5.5 and 11 in the 2.4 GHz band. What advantage might this provide to the networks operating in this band?

A. The antennas will be able to zero in on the higher data rates better
B. The range of the PHY preamble and header will be reduced
C. Frames that must be transmitted at the lowest common data rate can be transmitted at higher data rates after the change
D. The RF signals will not travel as far

Answer: C

QUESTION: 53
As the WLAN engineer in your organization, you must troubleshoot performance problems related to co-channel interference (CCI). What is a good measurement of CCI impact in addition to the number of APs seen on a channel?

A. The frequency used
B. Non-Wi-Fi device count
C. Retries
D. Utilization

Answer: A

QUESTION: 54
You are using a Wireless Aggregator utility to combine multiple packet captures. One capture exists for each of channels 1, 6 and 11. What kind of troubleshooting are you likely performing with such a tool?

A. Fast secure roaming problems.
B. Narrowband DoS attack detection.
C. Interference source location.
D. Wireless adapter failure analysis.

Answer: C

VoIP is used heavily in your organization. You must troubleshoot problems with dropped calls on the WLAN. What is a common cause of dropped calls when using Wi-Fi VoIP phones?

A. Use of WMM
B. Data rates below 54 Mbps
C. Data rates below 75 Mbps
D. Slow roaming

Answer: D

You are troubleshooting VoIP WLAN issues. When performing a PING to a remote device that would be involved in a call link, you see that the time value averages 220 milliseconds. How much extra delay beyond that recommend for VoIP links is in this link?

A. There is not enough information because the PING command give round-trip-times
B. There is 70 milliseconds more delay than recommended
C. There is 80 milliseconds more delay than recommended
D. There is no extra delay beyond that recommended, instead there is 80 milliseconds less

Answer: D

You are repairing a misconfiguration in WMM settings on an AP. The aCWmin and aCWmax values were all changed. What is the default aCWmax for AC_BK?

A. 1024
B. 1023
C. 15
D. 7

Answer: B

QUESTION: 58
A new firmware has been released for the AP model you use in your WLAN. You have more than 120 of these APs installed. What is a good reason for applying a firmware update on an enterprise AP?

A. Enable new security features and patch vulnerabilities
B. Enable 4x4:4 spatial streams on a 3x3:3 AP
C. Enable the short guard interval
D. Disable lower data rates

Answer: A

QUESTION: 59
Recently, three rogue APs have been connected to the network and later discovered. You want to prevent future rogue AP installations as much as possible.
What is the first step to eliminating or reducing rogue APs on the network?

A. Use IPSec between every AP and the network infrastructure
B. Define a direct policy that stipulates the ramifications of installing unauthorized devices
C. Create a hash of the MAC addresses of all authorized devices and continually scan for nonmatching hashes
D. Enable rogue detection in the existing authorized APs

Answer: D

QUESTION: 60
You are concerned about attackers gaining access to your WLAN from outside the facility. Why does reducing the output power on the APs not provide sufficient certainty that an attacker outside the facility cannot gain access?

A. Because RF signals can be received even when weak if using a Mac OS X computer
B. Because the attacker can simply use high gain antennas
C. Because the attacker can increase the output power of the radio on the client
D. Because the attacker will simplify use a lower gain antenna and a radio with higher receive sensitivity

Answer: B

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