cwap-402 Dumps

Certified Wireless Analysis Professional

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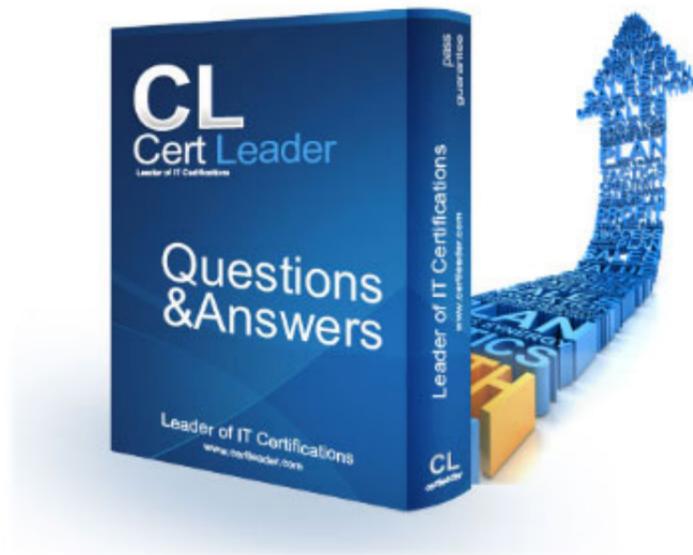
NEW QUESTION 1
To what data rates can a 5 GHz PHY device shift when changers occur in the signal strength?

A. 11, 5.5, 2, 1
B. 24, 18, 12, 5.5
C. 24, 18, 11, 2
D. 24, 18, 12, 6

Answer: D

NEW QUESTION 2
The data rate for a data frame is 150 Mbps in 5 GHz. What rate is used to transmit the PHY header information?

A. 1 Mbps
B. 150 Mbps
C. 75 Mbps
D. 6 Mbps

Answer: A

NEW QUESTION 3
You have captured 802.11 traffic using an adapter that includes the radio tap header. You see several frames often called announcement frames in the capture. What best describes these types of frames?

A. They only include beacon and probe request frames
B. They are used to allow a STA to awake from sleep and for no other reason
C. They only include beacon and probe response frames
D. They are meant to provide information to the network that may result in state changes, but they are not open for rejection

Answer: C

NEW QUESTION 4
You require 802.11ac capture solution. You want to capture using native operating system tools if possible.
What operating system has built-in ability to capture 802.11ac frames assuming it is running on the appropriate laptop hardware?

A. Windows 10
B. Mac OS X
C. Windows 7
D. Windows 8.1

Answer: B

NEW QUESTION 5
You are considering the performance of a BSS based on different PHY types used. In the BSS, one device must use ERP as it does not support HT in its 2.4 GHz band.
What is the duration of the interframe space for this ERP device for standard data frame transmissions?

A. 10 microseconds
B. 16 microseconds
C. 28 microseconds
D. 9 microseconds

Answer: B

NEW QUESTION 6
What is the formula used to calculate the Duration field value in an RTS frame?

A. RTS Duration field = CTS duration
B. RTS Duration field = Data or management to be sent frame duration
C. RTS Duration field = Data or management frame to be sent duration + CTS duration + one ACK duration + three SIFS
D. RTS Duration field = Data or management frame to be sent duration + CTS duration

Answer: C

NEW QUESTION 7
When evaluating modulation and coding schemes, you must determine the best coding rate available. In 802.11 MCS tables, what is the best coding rate from the perspective of highest data rates?

A. 5/6
B. 3/4
C. 2/3
D. 1/2

Answer: A

NEW QUESTION 8
You are working in an organization that has implemented an SCA-based WLAN. You want to change the RF channel for a single AP.
What can you do to perform this task with some SCA solutions?

A. Access the AP using SSH and change the channel
B. Access the AP through the console port and change the channel
C. Access the AP using Telnet and change the channel
D. Convert the network to MCA

Answer: D

NEW QUESTION 9
You are using the real-time FFT display of a spectrum analyzer.
In what domain does this show the RF energy detected in the swept frequencies?

A. Time
B. Length
C. Phase
D. Frequency

Answer: C

NEW QUESTION 10
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

NEW QUESTION 10
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

NEW QUESTION 14
You are evaluating a protocol capture file in Wireshark. The following filter is applied: wlan_radio.11ac.bandwidth - - 4
What kind of frames are displayed?

A. Only 40 MHz frames
B. Only 80 MHz frames
C. Only frames supporting 4 spatial streams
D. Only frames supporting 4 radio chains

Answer: B

NEW QUESTION 18
You have received reports of performance problems in a BSS. One specific user is indicating that her downloads are taking a very long time compared to other users around her. You want to determine if the AP is sending frames multiple times to get through to the user's computer.
Where should you monitor with the protocol analyzer to see retries from the AP in this scenario?

A. Directly in the middle of the AP and client STA
B. Very near the AP
C. Capture from another AP in another BSS
D. Very near the client STA

Answer: B

NEW QUESTION 20
You must report on frame types seen on the WLAN. You want to list the frame types by both name and binary value.
What frame type is represented by the binary value 011010, which includes the Type and Subtype values?

A. Beacon
B. PS-Poll
C. Authentication
D. Association Request

Answer: B

NEW QUESTION 23
What element was added to the general frame of 802.11 with the 802.11e amendment and the 802.11-2007 rollup?

A. HT Control
B. Address 4
C. QoS Control
D. RSN-IE

Answer: C

NEW QUESTION 26
You want to simplify viewing frames of a particular type in Wireshark. What is used to specify frames for colorization?

A. Custom code must be written and the binaries recompiled
B. Automated protocol analysis is used and no additional options may be specified
C. Filters are used to define the frames that should be colorized
D. A scripting language is available to modify the code before recompilation

Answer: C

Explanation: Protocol analyzers also support highlighting or colorization and filtering. The highlighting feature allows you to define colors for packets or frames matching particular criteria. It allows those frames to stand out as you browse through the captured frames

NEW QUESTION 29
As the WLAN administrator in your organization you are responsible for troubleshooting connection issues. Several STAs are connecting to the network, but are unable to communicate after connection. You suspect a DHCP problem. After capturing traffic on the wired-side of the AP, you want to view only DHCP traffic. What filter in Wireshark can be used for this purpose?

A. DHCPv6
B. DHCP
C. BOOTP
D. DHCPv4

Answer: C

NEW QUESTION 32
You are troubleshooting problems with DHCP in relation to lightweight APs. They vendor class identifier (VCI) is not specified in the DHCP server. When you contact vendor support, they inform you that it is not necessary.
When is this information true?

A. When only one client option 43 value is required
B. When only one AP exists on the subnet
C. When the DHCP server is directly connected to the subnet
D. When only one client option 60 value is required

Answer: A

Explanation: The DHCP server should be configured to provide the IP address information to the APs, but it may also be required to pass information for option 43. Option 43 is a vendor information option and can be used for any vendor purpose. The vendor class identifier (VCI) (for example, "Cisco AP c3600") is used with option 60 to determine the appropriate information to return with option 43.

NEW QUESTION 37
You have been asked to recommend a solution for protocol capture of 802.11 frames consisting of 3x3:3 802.11ac communications. The requirement specifies that you gain a general view of a coverage area and does not require that you capture from specific user locations. The solution must be the least expensive practical solution possible that does not disrupt user access to the WLAN and it must be based on enterprise WLAN hardware.
What solution would you recommend so that any coverage area could be monitored on demand?

A. Install laptop-based protocol analyzer near each AP
B. Install Wireshark on the Aps natively to allow dynamic capture while serving clients
C. Install the minimum number of Aps required for coverage and use these Aps for protocol analysis as needed
D. Install sufficient Aps so that an AP can be taken offline to perform protocol analysis as needed

Answer: B

NEW QUESTION 42
You work as an SE for a value-added reseller. A client has an existing deployment of 802.11n Aps and wants to upgrade several BSSs to 802.11ac.
What hardware feature of some enterprise Aps may allow for this without a forklift upgrade?

A. Adding an 802.11ac module to the existing APs
B. Simply check the Enable 802.11ac checkbox in the web-based configuration interface
C. Replace the antennas with 802.11ac antennas
D. Converting the 802.11n radio to an 802.11ac radio through software

Answer: B

NEW QUESTION 47
You are responsible for troubleshooting and analysis of the WLAN in your organization that supports more than 700 client STAs. Forty APs are deployed and they are all dual-band APs and are controller-based. You must troubleshoot the wired side in some scenarios using a protocol analyzer.
Which one of the following problems would warrant wired-side analysis in most situations?

A. High 802.11 retry rates
B. High 802.11 CRC rates
C. WMM QoS issues
D. DHCP problems

Answer: C

NEW QUESTION 48
You have implemented an AP at a remote office. It is a single-band AP supporting 802.11ac. Several users complain that their laptops cannot connect to the WLAN. These laptops are from multiple vendors and range in age from 2 to 4 years. The SSID and security profile settings are correct. All default settings were used on the AP with the exception of the SSID and security settings.
What is the most likely issue preventing these STAs from connecting to the AP?

A. They do not support VHI and only support OFDM
B. They are 5 GHz-only devices
C. They are 2.4 GHz-only devices
D. They do not support the basic data rates

Answer: B

NEW QUESTION 50
What action is taken automatically by 802.11 APs and client STAs as the signal strength of the link weakens in order to improve the quality of the RF communications overall?

A. Output power is increased
B. RSSI is increased
C. Data rates are reduced
D. Antenna gain is increased

Answer: C

NEW QUESTION 53
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

NEW QUESTION 58
ABC Company requires the ability to identify and quickly locate rogue devices. ABC has chosen an overlay WIPS solution with Wi-Fi sensors that use dipole antennas to perform this task. No other sensors are included. Use your knowledge of location tracking techniques to answer the question.
Which one of the following location methods is not available in the described system?

A. GPS Positioning
B. Time Difference of Arrival (TDoA)
C. RF Fingerprinting
D. Trilateration of RSSI measurements

Answer: C

NEW QUESTION 63
During an initial install of a controller-based WLAN, the APs are not locating the WLAN controller. The controller is two router hops away from the nearest AP. DHCP is not used. When performing a packet trace, you see a DNS response code of 3 targeted at one of the APs.
What is the problem?

A. The DNS server is not authoritative for the domain
B. The router is not forwarding packets to the DNS server
C. The controller host record has not been created in the DNS server
D. The authentication to the DNS server failed

Answer: C

NEW QUESTION 65
You have been asked to recommend a protocol analysis solution that uses open source software and works with the Linux platform. It must provide decoding of

802.11ac frames and minimal support for reporting and statistics.
What solution would you recommend?

A. Wi-Fi Analyzer Pro
B. OmniPeek
C. Wireshark
D. CommView for Wi-Fi

Answer: C

NEW QUESTION 69
You have implemented centralized, infrastructure-based spectrum analysis. The Aps are configured to perform spectrum analysis in an ad-hoc manner and will go offline as Aps to perform this duty when needed.
What unique method of spectrum analysis monitoring is provided by this solution that is not typically available in a laptop-based analyzer?

A. Web-based viewing
B. Real-time FFT
C. Band selection
D. RBW adjustments

Answer: D

NEW QUESTION 74
Given: Adjacent Channel Interference (ACI) can cause frame corruption and poor performance in WLANs. You are using a protocol analyzer in the attempt to detect ACI.
What should you look for in such a scenario?

A. Look at Retry counts
B. Capture on the channel you think may be impacted by ACI and see if any frames are captured from adjacent channels
C. Look for frames with a low signal strength value in the radio tap header
D. Look at CRC errors

Answer: B

NEW QUESTION 75
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