Exam Questions 200-355

Implementing Cisco Wireless Network Fundamentals

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NEW QUESTION 1
An engineer wants to deploy a 2504 controller as the anchor controller for a guest WLAN that resides on a 5508 controller in a different mobility group. What configuration change must be applied to support this deployment strategy?

A. UDP 16666 and IP Protocol 97 must be enabled on the 2504 controller
B. UDP 5246 and TCP Protocol 97 must be enabled on the router
C. The 2504 controller must be added to the same mobility group as the 5508.
D. DHCP Option 43 must be added to the neighboring switchport

Answer: C

NEW QUESTION 2
You have an organization that has a growing number of standalone APs. You would like to migrate to lightweight APs and manage them through Cisco WCS. Which software platform allows you to make this migration?

A. The enterprise version of Cisco WCS allows this migration and provides the most flexibility in the number of APs supported.
B. CiscoWorks WLSE is the only management platform that allows this migration, but it is limited to 500 APs.
C. You can migrate your network to Cisco WCS single server with the CiscoWorks WLSE upgrade software upgrade.
D. You can migrate the network by using either the single server or enterprise software platforms, both using the CiscoWorks WLSE upgrade software upgrade.

Answer: C

NEW QUESTION 3
What are three primary components that describe TKIP? (Choose three.)

A. broadcast key rotation
B. dynamic WEP
C. message integrity check
D. per-packet key hashing
E. symmetric key cipher
F. WPA2 enterprise mode

**Answer:** ACD

NEW QUESTION 4
You are setting up a laptop to connect to the wireless network of your organization. The protocols that are used for the corporate network are WPA2 Enterprise, PEAP, and AES. Which three parameters do you need to configure in the Windows 7 wireless network properties for this connection? (Choose three.)

A. VLAN
B. encryption type
C. authentication method
D. VRF
E. security type
F. IP address

Answer: BCE

NEW QUESTION 5
Refer to the exhibit.
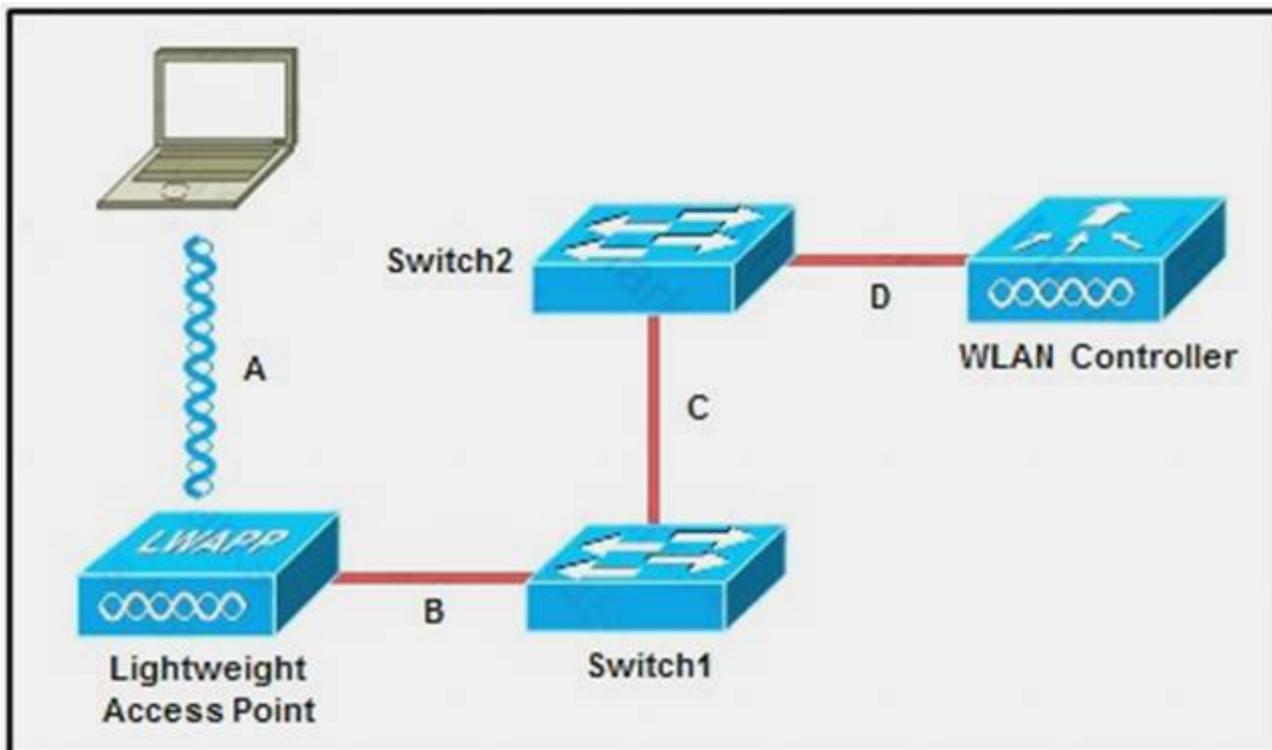
At which point in the network topology must the trunk be configured to support multiple SSIDs for voice and data separation?

A. A
B. B

C. C
D. D

Answer: D

NEW QUESTION 6
Which two statements about AES-CCMP are true? (Choose two.)

A. It is an encryption algorithm used in the 802.11i security protocol.
B. It is defined in 802.1X.
C. It is the encryption algorithm used in TKIP implementations.
D. It is required in WPA.
E. It is required in WPA2.

Answer: AE

NEW QUESTION 7
After you configure the Cisco 5508 Wireless Controller v7.6, a customer requests an SSID that allows for client web authentication with email input. Which authentication method should be used?

A. pass-through
B. authentication
C. splash page web redirect
D. conditional web redirect
E. on MAC filter failure

Answer: A

NEW QUESTION 8
Which two items are used to help convert a lightweight AP into an autonomous AP? (Choose two.)

A. HTTP express setup on the AP
B. Cisco WCS template
C. Cisco WLC CLI
D. Windows Cisco Conversion Tool
E. image with naming convention of platform_name-k9w7-tar.default
F. image with naming convention of platform_name-rcvk9w8-tar

Answer: CE

NEW QUESTION 9

Refer to the exhibit. WLC1 becomes unresponsive due to a power failure at a customer site. How does the access point that is shown in the WLC controller GUI behave now that WLC1 is disabled?

A. associates to controller 10.201.204.6
B. associates to controller 10.201.204.11
C. associates to controller 10.201.204.8
D. associates to controller 10.201.204.19

Answer: B

NEW QUESTION 10
Which option is used to form the BSSID in a BSS?

A. AP radio MAC address
B. AP wired MAC address
C. AP serial number
D. client radio MAC address
E. client wired MAC address
F. client serial number

Answer: A

NEW QUESTION 10
An engineer is using a predictive survey tool to estimate placement of APs in a carpeted office space. Most interior walls should be assigned which attenuation value?

A. 2 dB
B. 3 dB
C. 4 dB
D. 5 dB

Answer: B

NEW QUESTION 13
A wireless engineer is designing the wireless networking for a company with offices in two different locations. Which two regulatory bodies should they check to find the maximum EIRP allowed? (Choose two.)

A. IEEE
B. FCC
C. ITU-R
D. ETSI
E. Wi-Fi Alliance

Answer: BD

NEW QUESTION 18

```
interface GigabitEthernet2/1
 no ip address
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 1,5,15,20,25,30,35,40,45,50,55,100
 switchport trunk native vlan 44
 switchport mode trunk
 end
```

Refer to the exhibit. An engineer is configuring a SSID to utilize the management interface on the WLC. The management interface is configured with an untagged VLAN in the wireless controller interface settings. The controller is connected to a neighboring switch via the interface shown in the diagram.
Which VLAN will traffic coming from the newly created SSID use to traverse the wired network?

A. 1
B. 20
C. 44
D. 50

Answer: C

NEW QUESTION 19
A network engineer notices that two mesh APs are having problems communicating. After reviewing the current radio configurations, it is noted that one AP is transmitting at 3 mW while the other is transmitting at 60 mW. How many decibels would the 3-mW AP need its power increased to match the 60-mW AP?

A. 8
B. 12
C. 13
D. 20
E. 57

Answer: C

NEW QUESTION 24
The IEEE 802.11n standard provides 40-MHz channels, improved MAC efficiency, and MIMO. Which three elements define the 802.11n implementation of MIMO? (Choose three.)

A. channel bonding
B. dynamic frequency selection
C. maximal ratio combining
D. packet aggregation
E. spatial multiplexing
F. transmit beam forming

Answer: CEF

NEW QUESTION 27
An engineer is trying to identify if radar has impacted the wireless network at a customer site. When using the controller GUI, which dashboard in the Monitor section presents this information?

A. 802.11a/n - Air Quality Reports
B. Clean Air - Worst Air Quality Report
C. 802.11b/g/n - Interfering Devices
D. Statistics - Mobility Statistics

Answer: A

NEW QUESTION 28
Mac OS X machines are having issues accessing the wireless network. While working with TAC, the administrator is asked to find the Mac laptop's wireless

adapter model and driver. Where should the administrator look to find this information?

A. About This Mac > System Report
B. Control Panel > System
C. System Preferences > Network > Wi-Fi Adapter > Advanced
D. Control Panel > Networking > Adapters > Properties

Answer: A

NEW QUESTION 33
Which two wireless technologies can interfere with 802.11 networks? (Choose two.)

A. DECT
B. ZigBee
C. WiMax
D. GSM

Answer: AB

NEW QUESTION 36
How many dBm is 40 mW?

A. 10 dBm
B. 16 dBm
C. 20 dBm
D. 22 dBm
E. 40 dBm

Answer: B

NEW QUESTION 39
Which three items are allowed on an Ethernet trunk port? (Choose three.)

A. autonomous AP
B. FlexConnect AP
C. local AP
D. monitor AP
E. rogue detector AP
F. sniffer AP
G. SE-Connect AP
H. Cisco WLC

Answer: ABE

NEW QUESTION 41
A wireless engineer has an access point using the 5.725-GHz channel in the United States. In which band is the AP operating?

A. UNII-1
B. UNII-2
C. UNII-2 Extended
D. UNII-3

Answer: C

NEW QUESTION 46
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

Answer: A

NEW QUESTION 50
After installing a Cisco 5508 Wireless Controller using the default settings, how often will the RRM update occur?

A. 30 seconds
B. 60 seconds
C. 300 seconds
D. 600 seconds
E. 3600 seconds
F. 7200 seconds

Answer: D

NEW QUESTION 51
Which three AP modes of operation allow for the wIPS sub mode? (Choose three.)

A. local mode
B. bridge mode
C. monitor mode
D. H-REAP mode
E. rogue detector mode
F. SE-Connect mode
G. sniffer mode

Answer: ACD

NEW QUESTION 55
Which statement best describes the ability of a wireless client to access and transmit a data frame to an AP?

A. The client listens to the media until polled by the AP using PCF to send its data.
B. The client listens to the media until a data frame is finished, at which time it transmits, unless a collision of data frames has occurred.
C. The client uses random countdown timers to start the transmission of a data frame.
D. The client listens to the media and countdown timers to start the transmission of a data frame.

Answer: D

NEW QUESTION 57

Refer to the exhibit. In an effort to identify RF characteristics at a customer location, an RF engineer uses the Spectrum Analyzer tool that is shown. Which feature that is native to the Spectrum Analyzer is identified by the exhibit?

A. Real-Time FFT
B. Duty Cycle
C. Max Hold
D. Time Domain

Answer: A

NEW QUESTION 61
Which calculation computes the EIRP of an antenna?

A. EIRP = Tx power (dBm) + Antenna Gain (dBi) - Cable Loss (dB)
B. EIRP= Cable Loss (dB)+ Antenna Gain (dBi) - Tx power (dBm)
C. EIRP = Cable Loss (dB)+ Antenna Gain (dBi) / Tx power (dBm)
D. EIRP = Tx power (dBm) + Antenna Gain (dBi) / Cable Loss (dB)
E. EIRP = Antenna Gain (dBi) - Cable Loss (dB) * Tx power (dBm)
F. EIRP = Tx power (dBm) * Antenna Gain (dBi) / Cable Loss (dB)

Answer: A

NEW QUESTION 65
Which two attributes must be configured to match in order for WLCs to operate in the same mobility group? (Choose two.)

A. mobility domain name
B. virtual IP address
C. service interface address

D. hardware model
E. software version

Answer: AB

NEW QUESTION 69
Access points must discover a wireless LAN controller before they can become an active part of the network. In which order does an access point try to discover a controller?

A. Layer 3 CAPWAP or LWAPP broadcast discovery DHCP option 43Locally stored controller IP address discovery DNS controller name resolution
B. Layer 3 CAPWAP or LWAPP broadcast discovery Locally stored controller IP address discovery DNS controller name resolutionDHCP option 43
C. Layer 3 CAPWAP or LWAPP broadcast discovery Locally stored controller IP address discovery DHCP option 43DNS controller name resolution
D. DNS controller name resolution DHCP option 43Layer 3 CAPWAP or LWAPP broadcast discovery Locally stored controller IP address discovery

Answer: C

NEW QUESTION 71
What is an interferer that an engineer may see in Cisco CleanAir?

A. microwave ovens
B. rogue APs
C. malicious clients
D. co-channel interference

Answer: A

NEW QUESTION 75
Which statement describes spread spectrum technology in wireless communications?

A. Signal is spread across optical pulses.
B. Signal is spread across variations of amplitudes.
C. Signal is spread across one frequency.
D. Signal is spread across a whole band of frequencies.

Answer: D

NEW QUESTION 78
An engineer wants to have users who connect to a WLAN be redirected to a terms-of-service page with the company logo and a login. What should be configured on the WLAN to enable this capability?

A. Layer 2 IEEE 802.1x
B. Web Policy Slash Page Web Redirect
C. Web Policy Authentication
D. AAA Servers
E. Web Policy Passthrough

Answer: C

NEW QUESTION 83
During a wireless site survey, the signal strength drops significantly when outside of the room containing the access point. The building is made of wood and drywall. This is an example of which wireless anomaly?

A. absorption
B. refraction
C. fading
D. multipath
E. reflection

Answer: A

NEW QUESTION 84

Drag the description from the left and drop it on the name of the wireless LAN controller interface that it describes on the right.

Description	Interface
Always available. Controls intercontroller communications.	AP manager interface
Not always required for configuratoin. IP source address of CAPWAP tunnels.	management interface
Always available. Used for DHCP relay.	virtual
Not always required for configuration. Require static routes.	dynamic interface
Not always required for configuration. Known as the VLAN interface.	service interface

Answer:

Explanation:

Drag the description from the left and drop it on the name of the wireless LAN controller interface that it describes on the right.

Always available. Controls intercontroller communications.	Not always required for configuratoin. IP source address of CAPWAP tunnels.
Not always required for configuratoin. IP source address of CAPWAP tunnels.	Always available. Controls intercontroller communications.
Always available. Used for DHCP relay.	Always available. Used for DHCP relay.
Not always required for configuration. Require static routes.	Not always required for configuration. Known as the VLAN interface.
Not always required for configuration. Known as the VLAN interface.	Not always required for configuration. Require static routes.

NEW QUESTION 86
If an antenna has a dBd of 8.6, what is the dBi value?

A. 6.2
B. 6.46
C. 8.6
D. 10.74
E. 12.88

Answer: D

NEW QUESTION 90
What are three characteristics of the 802.11g standard? (Choose three.)

A. speed of as much as 11 Mb/s
B. speed of as much as 54 Mb/s
C. backward-compatibility with 802.11a
D. backward-compatibility with 802.11b
E. OFDM as an additional modulation technique
F. OFDM and CCK as additional modulation techniques

Answer: BDE

NEW QUESTION 94
A network engineer is connected via wireless to a Cisco AireOS WLC and wants to download the configuration but is unable to do so. Which change will correct the issue?

A. enable management via wireless
B. connect via wired network
C. enable Telnet
D. enable WebAuth SecureWeb
E. connect on 5-GHz SSID

Answer: B

NEW QUESTION 98
Which spread spectrum technique uses 11-bit chips to transmit 1 bit of data over a 22-MHz channel?

A. DSSS
B. FHSS
C. OFDM
D. MIMO
E. CCK

Answer: A

NEW QUESTION 101

Interface Name	VLAN Identifier	IP Address	Interface Type
ap-manager	4	192.168.4.2	Dynamic
clients	2	192.168.2.2	Dynamic
guests	3	192.168.3.2	Dynamic
management	untagged	192.168.1.2	Static
mgmt	1	192.168.0.2	Dynamic
virtual	N/A	1.1.1.1	Static

Refer to the exhibit. A network administrator is attempting to connect to the GUI of a WLC with interfaces as shown. Which IP address should the network administrator use?

A. 192.168.0.2
B. 192.168.1.2
C. 192.168.2.2
D. 192.168.3.2
E. 192.168.4.2

Answer: B

NEW QUESTION 102
A network engineer at a retail store needs a wireless deployment that can be easily maintained and verified for PCI compliance. What solution will meet this need with the least work?

A. Cloud
B. Autonomous
C. FlexConnect
D. Centralized

Answer: A

NEW QUESTION 107
What are the three primary functions of the Cisco Unified Wireless LWAPP architecture? (Choose three.)

A. control and management of the CAPWAP
B. tunneling of VPN clients over the WAN
C. tunneling of WLAN client traffic to the WLC
D. collection of 802.1Q trunks
E. collection of 802.11 data for management
F. control and management of VTP

Answer: ACE

NEW QUESTION 108
An access point is currently transmitting at 4 mW. The customer needs to increase its signal strength by 6 dB to create a larger wireless cell. What should the new transmit power be?

A. 8 mW
B. 10 mW
C. 12 mW
D. 16 mW
E. 24 mW

Answer: D

NEW QUESTION 112
A customer has completed the installation of an 802.11ac greenfield deployment at their corporate headquarters. They would like to leverage 802.11ac enhanced speeds on the trusted employee WLAN. In order to configure the employee WLAN, what Layer 2 security policies are valid?

A. WPA2 (TKIP)
B. WPA(AES)
C. OPEN
D. WEP

Answer: C

NEW QUESTION 115
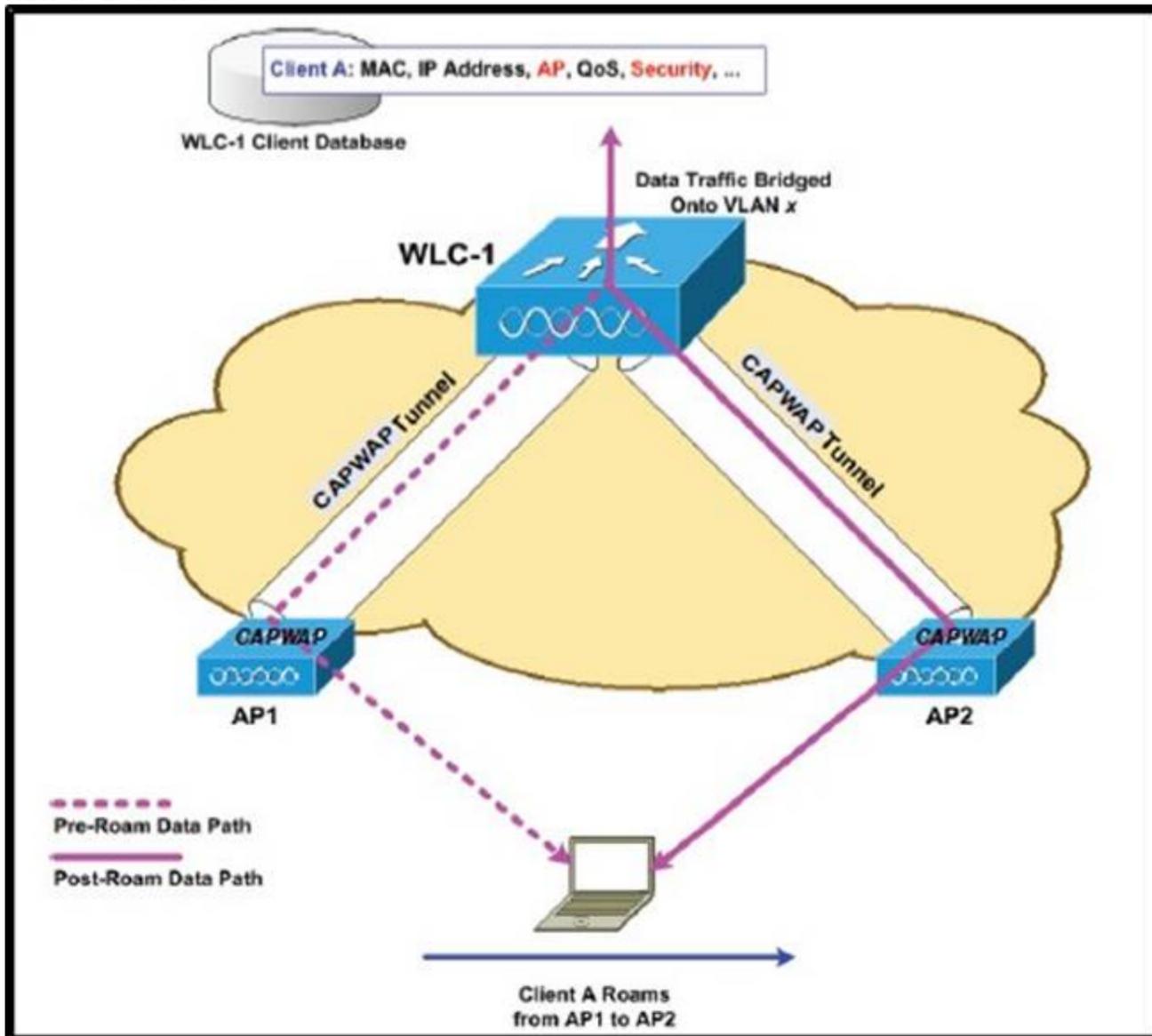
Refer to the exhibit. Which two wireless functions is the client experiencing? (Choose two.)

A. Inter-controller Roaming
B. Intra-controller Roaming
C. Layer 2 Roaming
D. Layer 3 Roaming
E. Inter-subnet roaming
F. Re-authentication

Answer: BC

NEW QUESTION 118
When using a Split MAC architecture, how many CAPWAP data tunnels will be built to an AP with four SSIDs across two VLANs?

A. 1
B. 2
C. 3
D. 4

Answer: A

NEW QUESTION 120
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

Answer: A

NEW QUESTION 125
Which statement about ZigBee technology is true?

A. It has low power consumption.
B. It is designed only for point-to-point communications.
C. It ranges up to 250 meters.
D. It supports data rates up to 1 and 2 Mb/s.

Answer: A

NEW QUESTION 129

A customer has asked for the proper port configuration to allow for LAG on a Cisco 2504 Wireless Controller to a Cisco IOS switch. Which EtherChannel mode should be used on the switch to allow for the WLC to connect?

A. on
B. auto
C. desirable
D. passive
E. active

Answer: A

NEW QUESTION 133

Which two algorithms are available in RRM? (Choose two.)

A. coverage-hole detection
B. dynamic channel assignment
C. RSSI normalizer
D. transmitting channel expander
E. rogue detection

Answer: AB

NEW QUESTION 137

Which two statements about beacon frames used by access points are true? (Choose two.)

A. They contain SSIDs if this feature is enabled.
B. They provide vendor proprietary information.
C. They are another name for an associated request.
D. They are sent in response to a probe frame.
E. They include ATIM window information for power save operations.

Answer: AB

NEW QUESTION 138

A customer has a corporate SSID that is configured to authenticate against an ACS server to validate client credentials on the corporate SSID. The customer has a firewall logically positioned on the network between the WLC and the ACS server in the network architecture. Which port must the firewall allow to ensure that authentication can occur?

A. 43
B. 1812
C. 5146
D. 8143

Answer: B

NEW QUESTION 143

During Layer 2 intercontroller roaming, which two items change? (Choose two.)

A. SSID
B. VLAN
C. IP address
D. AP
E. controller

Answer: DE

NEW QUESTION 145

An engineer needs to find out the maximum EIRP allowed for their office in Asia. What regulatory body should be contacted?

A. CRTC
B. ETSI
C. IEEE
D. NTT

Answer: D

NEW QUESTION 148

Which two items are needed to discover the IP address of a new Cisco Aironet 1260 autonomous AP that just finished booting? (Choose two.)

A. username = "cisco" and password = "cisco"
B. username = "Admin" and password = "Cisco"
C. username=Cisco and password=Cisco
D. show int vlan1
E. show int bvi1
F. show int gigabitethernet0

G. show int radio0-802.11n
H. show int radio1-802.11n

Answer: CE

NEW QUESTION 151

Refer to the exhibit. The wireless engineer has deployed the Cisco 5508 Wireless Controller. The controller is responding on the service port; however, it will not respond on the management interface. Which configuration revision will fix the management interface?

A. On the switch interface, configure switch(config-if)#switchport trunk allowed vlan add 10.
B. On the WLC management interface, disable LAG on the management network.
C. On the switch interface, configure switch(config-if)#switchport trunk allowed vlan 10.
D. On the WLC management interface, change the VLAN ID to 20.
E. On the switch interface, configure no spanning-tree portfast trunk.
F. On WLC Controller > General, disable LAG and reboot.

Answer: A

NEW QUESTION 155
What is an MBSSID?

A. a virtual AP configured on a physical AP that share a single physical device, which is one half-duplex radio
B. a set of physical APs configured in a BSA to form cells that are controlled by a single controller
C. the group of clients that are allowed to gain access to one or more SSIDs configured in an AP
D. the identified overlap area between two cells, which identifies the clients that are operating in that area at any given time

Answer: A

NEW QUESTION 156
The network administrator has used VLANs to separate VoIP frames from data frames in the wired network. What must the administrator use to separate those frames in the wireless network?

A. multiple SSIDs
B. multiple authentications
C. multiple WEP or WPA keys
D. multiple channels
E. multiple 802.11 radios (a, b, g, n)

Answer: A

NEW QUESTION 161
Which two statements about the requirements to configure inter-controller roaming are true? (Choose two.)

A. The same mobility domain names are configured across controllers.
B. The same RF group names are configured across controllers.
C. The same controller hardware version is configured across controllers.
D. The same AP manager interface is configured across controllers.

E. The same virtual interface is configured across controllers.
F. The same controller software version is configured across controllers.

Answer: AE

NEW QUESTION 162
Which type of basic radiation pattern does a Yagi antenna have?

A. circular
B. semicircular
C. straight line
D. cone

Answer: D

NEW QUESTION 167
An engineer assists a user in configuring an Android device for authentication to an IEEE 802.1x EAP WLAN with PEAPv1. The Phase 2 authentication should be configured as which option?

A. LEAP
B. MSCHAPv2
C. TLS
D. TTLS

Answer: B

NEW QUESTION 168
A customer has requested a single point of policy enforcement for LAN and WLAN. Which deployment model should be used?

A. converged
B. autonomous
C. FlexConnect
D. centralized

Answer: A

NEW QUESTION 171
A customer is using the access point GUI to upgrade the software on an autonomous access point to convert it to a lightweight access point. Which two transfer protocols are valid for conducting this transfer from the WLC? (Choose two.)

A. FTP
B. RCP
C. SFTP
D. HTTP
E. SCP
F. TFTP

Answer: DF

NEW QUESTION 176
What is the difference between the IEEE, the WiFi Alliance, and the FCC, ETSI, and TELEC?

A. The IEEE and FCC are responsible for the standards that apply to wireless network
B. The WiFi Alliance, ETSI, and TELEC are the governmental agencies that regulate compliance with local standards.
C. The IEEE is responsible for Layer 1 and Layer 2 protocol
D. The WiFi Alliance is responsible for interoperability testin
E. The FCC, ETSI, and TELEC are responsible for radio frequency and transmission power-level regulations and standards in the U.S., Europe, and Japan.
F. The IEEE is responsible for Layer 1 and Layer 2 protocol
G. The FCC, ETSI, and TELEC are responsible for interoperability testing and complianc
H. The WiFi Alliance is responsible for radio frequency and transmission power-level regulations and standards on a global basis.
I. The IEEE and FCC are responsible for the Layer 3 protocol support and frequency and power-level regulations in the United State
J. ETSI and TELEC are responsible for frequency and power-level regulations in Europe and Japa
K. The WiFi Alliance is responsible to interoperability testing.

Answer: B

NEW QUESTION 181
An engineer is trying to determine from the controller CLI whether or not Telnet is enabled on the wireless controller. Which command can be entered to display this information?

A. show network summary
B. show aaa auth
C. show radius summary
D. show ldap statistics

Answer: A

NEW QUESTION 186
A wireless engineer has been asked to plan a deployment covering the aisles of a warehouse with optimal coverage while bleeding RF across aisles. Which antenna type provides the necessary coverage?

A. patch
B. omnidirectional
C. Yagi
D. parabolic dish

Answer: A

NEW QUESTION 190
Following the deployment of a wireless network for data and voice services, an engineer is to validate the coverage. Which type of survey is required to ensure coverage?

A. passive
B. active
C. fingerprinting
D. calibrating

Answer: A

NEW QUESTION 191

Answer:

Explanation:

NEW QUESTION 195
Which two Cisco Unified Wireless Network capabilities use information that is provided by Radio Resource Management neighbor messages in version 7.0 MR1? (Choose two.)

A. aggressive load balancing
B. dynamic channel assignment
C. hybrid remote edge access point
D. inter-controller mobility (that is, mobility groups)

E. rogue AP classification

Answer: BE

NEW QUESTION 200
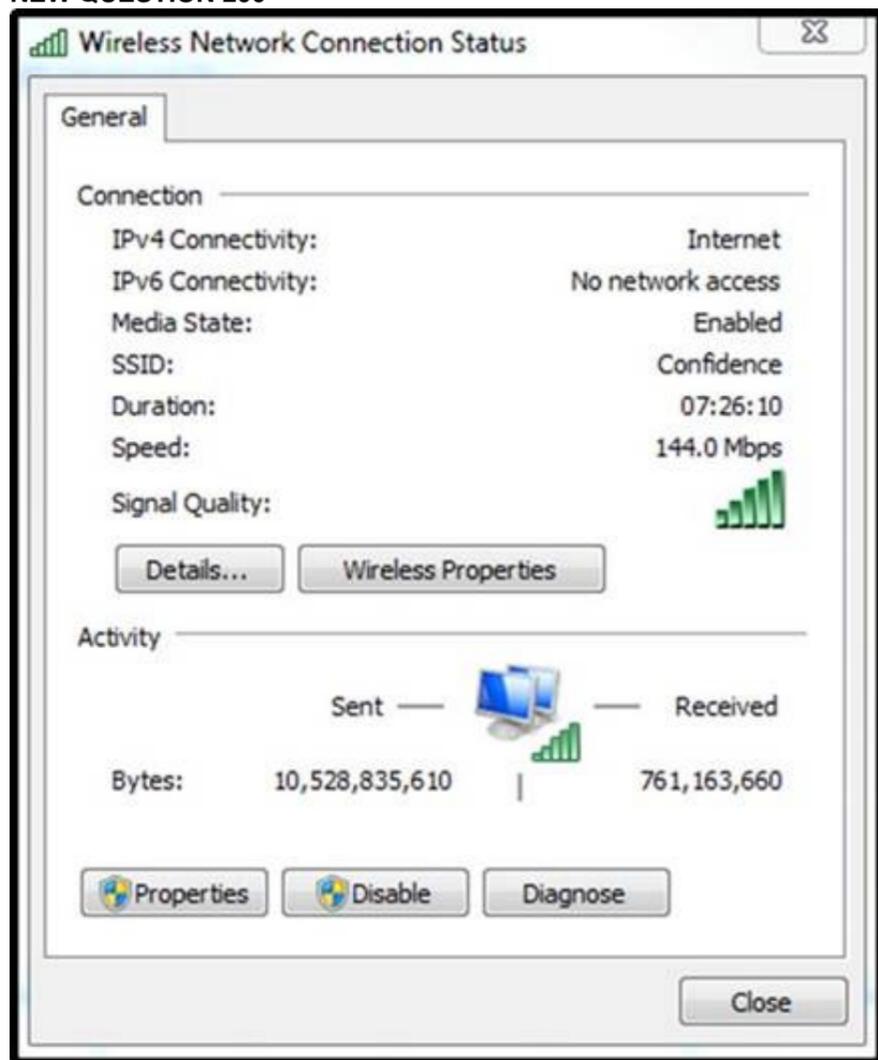
Refer to the exhibit. A customer is determining whether a Windows 7 laptop is operating on the correct IEEE 802.11 standard. Which standard is being used by the laptop in the exhibit?

A. 802.11b
B. 802.11g
C. 802.11n
D. 802.11p

Answer: C

NEW QUESTION 203
Which three options are limitations when configuring basic security on an autonomous AP when using the express security page setup? (Choose three.)

A. You need multiple SSIDs.
B. Delete all the SSIDs.
C. Edit the SSIDs.
D. Use multiple authentication servers.
E. Use the same SSID on both radios.
F. Use a single SSID on a single radio.

Answer: CDE

NEW QUESTION 208
When an AP, in its default configuration mode, connects to a Cisco WLC, which methods are available for remote management access to an AP?

A. SSL and SSH are available only after configuration by a Cisco WLC version 7.0.
B. SSH only
C. HTTPS, and SSH
D. SSH and Telnet
E. SSH and Telnet are available only after configuration by a Cisco WLC version 7.0.

Answer: D

NEW QUESTION 213
What is the approximate time difference for a client to perform an intracontroller roam compared to an intercontroller roam?

A. 1 ms
B. 10 ms
C. 20 ms
D. 30 ms

Answer: B

NEW QUESTION 218
In the current RF environment, the noise floor is -95 dBm. A tablet needs an SNR of 25 dB to transmit at the required speed. What must the RSSI cell edge be to meet the required SNR?

A. -120 dBm
B. -90 dBm
C. -70 dBm
D. -60 dBm
E. -50 dBm

Answer: C

NEW QUESTION 222
What is the equivalent of 26 dBm in milliwatts?

A. 4 mW
B. 40 mW
C. 100 mW
D. 400 mW
E. 1000 mW

Answer: D

NEW QUESTION 227
How does an LWAP receive a configuration file?

A. It is configured manually.
B. It receives a configuration from the controller.
C. It automatically ships with a configuration.
D. It receives a configuration from a TFTP server.

Answer: B

Explanation: Topic 2, Exam Bank B

NEW QUESTION 228
Which single tool helps to troubleshoot client-related issues in a WLAN?

A. The show and debug commands on the controller.
B. The show commands on the AP.
C. Client templates on the Cisco WCS.
D. Client troubleshooting on the Cisco WCS.

Answer: D

NEW QUESTION 230
Which option lists the key features of Cisco Compatible Extensions v5?

A. Roaming and real-time diagnostics, MFP, a diagnostic channel that allows troubleshooting of the client, client reporting, optional location service, and expedited bandwidth
B. AP assisted roam, Cisco Centralized Key Management, radio measurements, and transmit power control
C. CAC, UPSD, voice metrics, MBSSIDs, location, link tests, and NAC
D. WME, proxy ARP, EAP-FAST, and WPA2, and single sign-on
E. LEAP, WPA, 802.1x and VLANs per AP, TKIP, and WiFi

Answer: A

NEW QUESTION 234

Cisco WLCs running version 7.0 can be enabled for CleanAir functionality by using an AQI rating from 1 to 100. Event-driven RRM can take immediate action on AQI levels based on three sensitivity thresholds (Low, Medium, High), which are configurable in the web-based GUI. The network administrator must understand what AQI value is set using these sensitivity thresholds in version 7.0. Drag the AQI values on the left and drop them on the threshold name they belong to on the right.

20		Low
35		Medium
40		High
45		
50		
60		
70		

Answer:

Explanation:

Cisco WLCs running version 7.0 can be enabled for CleanAir functionality by using an AQI rating from 1 to 100. Event-driven RRM can take immediate action on AQI levels based on three sensitivity thresholds (Low, Medium, High), which are configurable in the web-based GUI. The network administrator must understand what AQI value is set using these sensitivity thresholds in version 7.0. Drag the AQI values on the left and drop them on the threshold name they belong to on the right.

20		35
35		50
40		60
45		
50		
60		
70		

NEW QUESTION 235
Which statement correctly describes the procedure for a lightweight AP to successfully establish a connection to a controller?

A. The AP authenticates the received Cisco WLC certificate as vali
B. The AP then sends its certificate to the controller.
C. The AP sends its certificate to the controlle
D. The AP then authenticates the received Cisco WLC certificate as valid.
E. The AP sends its certificate to the RADIUS serve
F. The AP then authenticates the controller certificate as valid.
G. The AP sends its certificate to the RADIUS serve
H. The AP then authenticates the RADIUS certificate as valid.
I. The AP authenticates the received RADIUS server certificate as vali
J. The AP then sends its certificate to the RADIUS server.
K. The AP authenticates the received RADIUS server certificate as vali
L. The AP then sends its certificate to the controller.

Answer: B

NEW QUESTION 240
Which command path correctly describes how to access and troubleshoot clients with Cisco WCS version 7.0?

A. Tools > Clients > select displayed client's MAC address
B. Tools > Clients > enter client's MAC address
C. Monitor > Clients > click displayed client's MAC address
D. Monitor > Clients > enter client's MAC address

Answer: C

NEW QUESTION 244
Which user group has the ability to configure all features of the Cisco WCS except the user accounts and passwords?

A. Admin
B. SuperUser

C. Root
D. Supervisor

Answer: A

NEW QUESTION 246
Refer to the exhibit.

What does the yellow shield with the exclamation mark indicate?

A. The network uses open authentication and no encryption.
B. The network uses an unsupported channel.
C. The signal is too distorted to connect.
D. The AP that is transmitting this SSID uses the wrong RF domain.
E. This is the ad-hoc network.

Answer: A

NEW QUESTION 249
Which module does the Cisco AnyConnect Secure Mobility client integrate into the AnyConnect client package for access to both wired and wireless networks?

A. Network Access Manager
B. Telemetry
C. Web Security
D. DART

Answer: A

NEW QUESTION 251
In a typical wireless network using WPA, WPA2 or VPN, why is it still possible for a rogue client to launch a DOS attack?

A. WPA and WPA2 are not considered strong encryption algorithms and are easily cracked.
B. 802.11 management frames are easily compromised.
C. Cisco Compatible Extensions v5 are required with WPA, WPA2, or VPN to keep rogues from launching attacks in the wireless network.
D. The message integrity check frames are never encrypted or authenticated, which allows rogues to spoof clients.

Answer: B

NEW QUESTION 254

Instructions ☒

- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- To access the multiple-choice question, click on the numbered box on the left of the top panel.
- There is **one** multiple-choice question with this task. Be sure to answer the question before selecting the Next button.

Scenario ☒

A wireless LAN controller, AP, IOS switch, and wireless client have been properly configured. Use the exhibits to answer the question.

Topology ☒

AP1

SW1

Gig 0/1

Gig 0/10
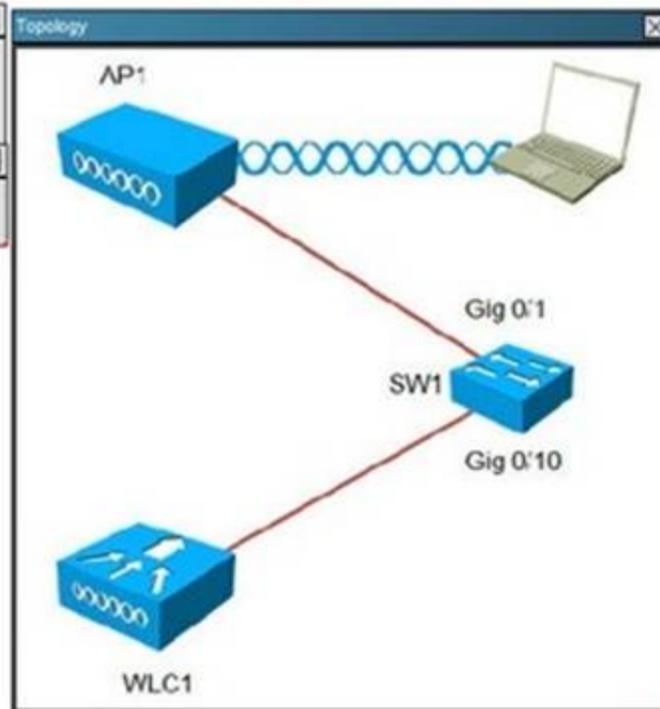
WLC1

WLC1 - Interface Groups

MONITOR	WLANs	CONTROLLER	WIRELESS	SECURITY	MANAGEMENT	COMMANDS

Interface Groups > Edit

Interface Group Name	intgroup
Description	Interface Group
Property	Non-Quarantine

Interface Name   management ▼

Add Interface

Interface Name

Interface Name	
vlan20	▼
vlan40	▼
vlan50	▼

WLC1 - Interfaces

MONITOR	WLANs	CONTROLLER	WIRELESS	SECURITY	MANAGEMENT	COMMANDS	HELP	FEEDBACK

Interfaces

Interface Name	VLAN Identifier	IP Address	Interface Type	Dynamic AP Management	
management	untagged	10.10.10.10	Static	Enabled	
virtual	N/A	192.0.2.1	Static	Not Supported	
vlan20	20	172.16.12.10	Dynamic	Disabled	▼
vlan30	30	172.16.23.10	Dynamic	Disabled	▼
vlan40	40	192.168.14.10	Dynamic	Disabled	▼
vlan50	50	192.168.25.10	Dynamic	Disabled	▼

WLC1 - Monitor Summary

MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK

Summary

5 Access Points Supported

Cisco 2500 Series Wireless Controller

CISCO

Model 2504
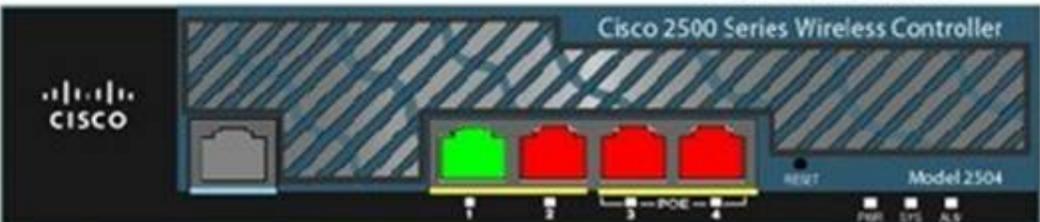
Controller Summary

Management IP Address	10.10.10.10
Software Version	7.0.116.0
Field Recovery Image Version	1.0.0
License Level	base
System Name	WLC1
Up Time	0 days, 4 hours, 13 minutes
System Time	Thu Apr 19 12:44:41 2012
Internal Temperature	+32 C
802.11a Network State	Enabled
802.11b/g Network State	Enabled

Rogue Summary

Active Rogue APs	21	Detail
Active Rogue Clients	0	Detail
Adhoc Rogues	0	Detail
Rogues on Wired Network	0	

Top WLANs

| Profile Name | # of Clients | |
| ExamSSID | 1 | Detail |

WLC1 - WLANs

MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK

WLANs > Edit 'ExamSSID'

General | **Security** | **QoS** | **Advanced**

Profile Name	ExamSSID
Type	WLAN
SSID	ExamSSID
Status	☑ Enabled

Security Policies   None
(Modifications done under security tab will appear after applying the changes.)

Radio Policy	All
Interface/Interface Group(G)	intgroup (G)
Multicast Vlan Feature	☐ Enabled
Broadcast SSID	☑ Enabled

When a client associates to ExamSSID, which network address will be assigned?

A. The IP address assigned will be based on the AP network assignment of 10.10.10.0.
B. The IP address assigned will be based on the AP network assignment of 172.16.23.0.
C. The IP address will be assigned in a round-robin format based on the 172.16.12.0, 172.16.23.0,192.168.14.0 address pools.
D. The IP address will be assigned in a round-robin format based on the 172.16.12.0, 192.168.14.0,192.168.25.0 pools.
E. The IP address will be assigned in a round-robin format based on the 172.16.12.0, 172.16.23.0,192.168.14.0,192.168.25.0 pools.

Answer: D

NEW QUESTION 255
The administrator has noticed that the configuration on a controller is different than in Cisco WCS. How can the administrator fix this issue?

A. The configuration can be copied from the controller to the Cisco WCS or from the WCS to the controller.
B. The configuration can be copied only from the Cisco WCS to the controller.
C. The configuration can be copied only from the controller to the Cisco WCS.
D. The controller must be removed from the Cisco WCS and then added again.

Answer: A

NEW QUESTION 260

Drag the correct visual description from left to the matching Windows 7 wireless client description on the right.

three boxes with gold shield	Open BSS
three boxes without gold shield	Secure BSS
three boxes with gold star	Open IBSS
three boxes without gold star	Secure IBSS
five bars with shield	
five bars without shield	
five bars with gold star	
five bars without gold star	

Answer:

Explanation:

Drag the correct visual description from left to the matching Windows 7 wireless client description on the right.

three boxes with gold shield	five bars with shield
three boxes without gold shield	five bars without shield
three boxes with gold star	three boxes with gold shield
three boxes without gold star	three boxes without gold shield
five bars with shield	
five bars without shield	
five bars with gold star	
five bars without gold star	

NEW QUESTION 264
When adding a controller to manage through Cisco WCS, which address type is used and which SNMP function does the Cisco WCS perform?

A. The controller is managed through its MAC address and the Cisco WCS acts as a SNMP TRAP authenticator.
B. The IP address of the controller is used and the Cisco WCS acts as a SNMP TRAP receiver.
C. The controller is managed through its MAC address and the Cisco WCS acts as a SNMP agent.
D. The controller connects through its MAC address to the Cisco WCS and the Cisco WCS uses the SNMP to manage the controller for all configured SNMP parameters.

Answer: B

NEW QUESTION 269
What is a risk when initiating the containment of a rogue AP?

A. disassociating clients of valid access points that are operated by a neighboring organization
B. disrupting transmission of neighboring AP clients
C. breaking the radio of the containing AP
D. breaking the rogue client radio or its firmware

Answer: A

NEW QUESTION 272
Which two statements about the results of the Cisco WCS version 7.0 client troubleshooting tool are true? (Choose two.)

A. Results of Layers 1 - 3 are provided.
B. Results of only Layers 2 and 3 are provided.
C. Results of Layers 4 - 7 are provided.
D. The tabulated results vary depending on the client type.
E. Results are provided in a fixed four-part tabulation.
F. Results are provided in a fixed six-part tabulation.

Answer: AD

NEW QUESTION 276
Refer to the exhibit.

Which two options does this icon represent about the status of the respective AP on a Cisco WCS version 7.0 map? (Choose two.)

A. The 802.11a/n radio is administratively disabled.
B. The 802.11a/n radio has a minor fault.
C. The 802.11a/n radio has a major fault.
D. The 802.11b/g/n radio is administratively disabled.
E. The 802.11b/g/n radio has a minor fault.
F. The 802.11b/g/n radio has a major fault.

Answer: CD

NEW QUESTION 280
ACisco Aironet 1260 AP is unable to join a Cisco 2500 Series WLC that is connected through a Layer 2 switch.
Which three options help to verify the wireless network operation and locate a possible issue? (Choose three.)

A. Verify status of GUI Wireless > Country
B. Verify status of GUI Wireless > Timers
C. Verify status of GUI WLANs > ID > Advanced
D. CLI debug of dot11
E. CLI debug of DHCP
F. Verify Cisco WLC license
G. Verify Cisco WLC model

Answer: AEF

NEW QUESTION 285
You have an Apple IOS iPhone4 that is used on your home Wi-Fi network and a personal laptop that is used on your work's enterprise wireless network. At your office, you are unable to see the enterprise wireless network on your iPhone4.
What is the most likely cause of this issue?

A. WPA2 CPU intensive encryption is not supported on the client.
B. WPA2 must be enabled on the client.
C. A new profile must be created on the client.
D. Wi-Fi must be enabled on the client.
E. The enterprise is 2.4 GHz only.
F. The enterprise is 5 GHz only.
G. The RF channel must be adjusted on the client.

Answer: F

NEW QUESTION 289
Which statement about customization of a web page that is used on a WLC to authorize guest users is true?

A. The administrator can use either a modified internal login page or the customized web page.
B. The administrator can use only the internal login page, and only the organization logo can be changed.
C. The administrator can use only the internal login page with a customized logo, headline, and message.
D. The administrator can use only the customized web page that is uploaded to a WLC.

Answer: A

NEW QUESTION 290
Which three Cisco Unified Wireless Network capabilities use information that is provided by Radio Resource Management neighbor messages? (Choose three.)

A. aggressive load balancing
B. dynamic channel assignment
C. hybrid remote edge access point
D. inter controller mobility (that is, mobility groups)
E. over-the-air provisioning
F. rogue AP classification

Answer: BEF

NEW QUESTION 293
Which CLI command is used on a Cisco WLC to troubleshoot mobility, rogue detection, and load-balancing events?

A. debug dot11

B. debug capwap all
C. show dot11 details
D. show capwap details

Answer: A

NEW QUESTION 298
A lightweight AP has been deployed in local mode in a network that consists of 10 wireless LAN controllers in a single mobility group. The AP has been configured to use primary, secondary, and tertiary Cisco WLCs. Due to a major power failure, all those Cisco WLCs are unavailable.
Which step does the AP take next?

A. The AP reboots and repeatedly attempts to join the configured primary, secondary, and tertiary Cisco WLCs in that orde
B. The process continues until one of the configured Cisco WLCs is available.
C. The AP attempts to join a Cisco WLC configured as a master controller.
D. The AP attempts to join the Cisco WLC that has the greatest capacity available.
E. The AP state transitions to AP Fallback Mode and continues to provide limited WLAN services (that is, no new client authentications) until a Cisco WLC is available.

Answer: B

NEW QUESTION 302
What is Cisco WCS Navigator?

A. a single point of management for multiple Cisco WCS servers
B. a server for storing and reviewing Cisco Spectrum Expert station data
C. a server for storing the location data of wireless clients
D. a GUI for displaying the data of Cisco CleanAir APs, aligned with an uploaded map
E. a single point of management for multiple Cisco WLC systems

Answer: A

NEW QUESTION 307
When a wireless client is authenticated in a controller-based wireless network, which three pieces of source identification information can be used by the controller for an Access-Request message that is sent to an external RADIUS server? (Choose three.)

A. wireless client IP address
B. controller IP address
C. AP IP address
D. wireless client MAC address
E. controller MAC address
F. AP MAC address

Answer: BEF

NEW QUESTION 310
Which information on the Monitoring page of a Cisco WLC verifies that the wireless network is operational?

A. In the Access Point Summary section, the All APs number in the Up column is the same as in the Total column.
B. In the Client Summary section, the Current Clients number is positive.
C. In the Controller Summary section, the 802.11b/g Network State is shown as Enabled.
D. In the Controller Summary section, the CPU Usage number is positive.

Answer: A

NEW QUESTION 312
When using multiple SSIDs on a lightweight AP, how does the traffic of each SSID reach the 802.3 network?

A. provide routing between them at the core so that the SSIDs can reach the internet
B. configure 802.11q trunking on the Ethernet switch port that is connected to the AP
C. configure ACLs at the switch port that will allow all desired SSIDs to pass traffic
D. configure the SSIDs on the WLC and it will regulate the traffic based on traffic type

Answer: B

NEW QUESTION 316
In a network with a deployed Cisco WLC, which two entities must be configured with the shared secret key for 802.1X authentication? (Choose two.)

A. WLC
B. RADIUS server
C. AP
D. supplicant
E. wireless client

Answer: AB

NEW QUESTION 320

Which method is used to shield the client from class 3 management attacks?

A. client MFP
B. WEP
C. WPA
D. client protection suite
E. 802.1X

Answer: A

NEW QUESTION 325
Which option is needed to earn the Cisco Compatible credential for Cisco Compatible Extensions Lite?

A. Foundation and Management are required.
B. Location and Management are required.
C. Foundation and Location are required.
D. Foundation and Voice are required.
E. Voice is required.
F. Foundation is required.
G. Location is required.
H. Management is required.

Answer: F

NEW QUESTION 326
When the enterprise-based authentication method is used for WPA2, a bidirectional handshake exchange occurs between the client and the authenticator.
Which five options are results of that exchange being used on a controller-based network? (Choose five.)

A. a bidirectional exchange of a nonce used for key generation
B. binding of a Pairwise Master Key at the client and the controller
C. creation of the Pairwise Transient Key
D. distribution of the Group Transient Key
E. distribution of the Pairwise Master key for caching at the access point
F. proof that each side is alive

Answer: ABCDF

NEW QUESTION 327
Refer to the exhibit.

How do improperly set Telnet/SSH parameters effect the configuration of a controller with Cisco WCS?

A. The CLI and GUI management of the controller both fail because Cisco WCS checks these credentials before opening a session.
B. The Telnet/SSH username must have sufficient privileges to execute commands in CLI templates.
C. The GUI management of the controller fails because the Cisco WCS uses the Telnet/SSH parameters to login to the controller.
D. The controller remains configured in the Cisco WCS, but no management is possible through GUI from other client browsers.

Answer: B

NEW QUESTION 330
You have a small organization with multiple Cisco WCS servers. Management has become cumbersome and you are planning to deploy Cisco WCS Navigator. When the Cisco WCS Navigator has been deployed, how are the existing Cisco WCS servers added to the Cisco WCS Navigator, which software versions are supported, and which protocol(s) do they use to communicate with Navigator?

A. Cisco WCS Navigator searches the enterprise intranet to locate the existing Cisco WCS servers and adds them automatically using SOAP as long as there is only a difference of one version or less between Cisco WCS and WCS Navigator.
B. Each existing Cisco WCS server must be added manually and use SOAP/HTTP to communicate with the Cisco WCS Navigator platform as long as the software versions of Cisco WCS and Cisco WCS Navigator are the same.
C. Cisco WCS must be on the same software version as Cisco WCS Navigator and each Cisco WCS server is added automatically using XML over HTTP.
D. When Cisco WCS Navigator is added, all the Cisco WCS servers must be added manually, each system must use the same software release as Navigator, and the Cisco WCS communicates with Cisco WCS Navigator by using SOAP/XML over HTTPS.

Answer: D

NEW QUESTION 335
Which protocol helps the administrator to determine whether a detected rogue AP is in the network of the organization?

A. RLDP
B. RCP
C. RDP
D. RAPP

Answer: A

NEW QUESTION 339
An 802.11g network is experiencing intermittent signal degradation and Spectrum Analyzer is being used to try and locate the problem. What two interferers would likely be identified? (Choose two.)

A. multiple cell phones
B. microwave oven
C. FM Radio
D. cordless phone
E. document scanner

Answer: BD

NEW QUESTION 343
Which two features are available in the Cisco WCS Plus license over the base license? (Choose two.)

A. ad hoc rogue detection
B. high availability between two Cisco WCS stations
C. mobility service engine management
D. auto discovery and containment or notification of rogue APs
E. client location to the nearest AP

Answer: BC

NEW QUESTION 344
You run minimum PEAP-GTC authentication in your wireless environment. Which version of Cisco Compatible Extensions supports PEAP-GTC?

A. Cisco Compatible Extensions v1
B. Cisco Compatible Extensions v2
C. Cisco Compatible Extensions v3
D. Cisco Compatible Extensions v4
E. Cisco Compatible Extensions v5

Answer: B

NEW QUESTION 345
Which open standard defines the combination of Extensible Authentication Protocol with Advanced Encryption Standard for providing strong wireless LAN client security?

A. IEEE 802.1X
B. IEEE 802.11i
C. WEP
D. WPA
E. WPA2

Answer: B

NEW QUESTION 350
Refer to the exhibit.
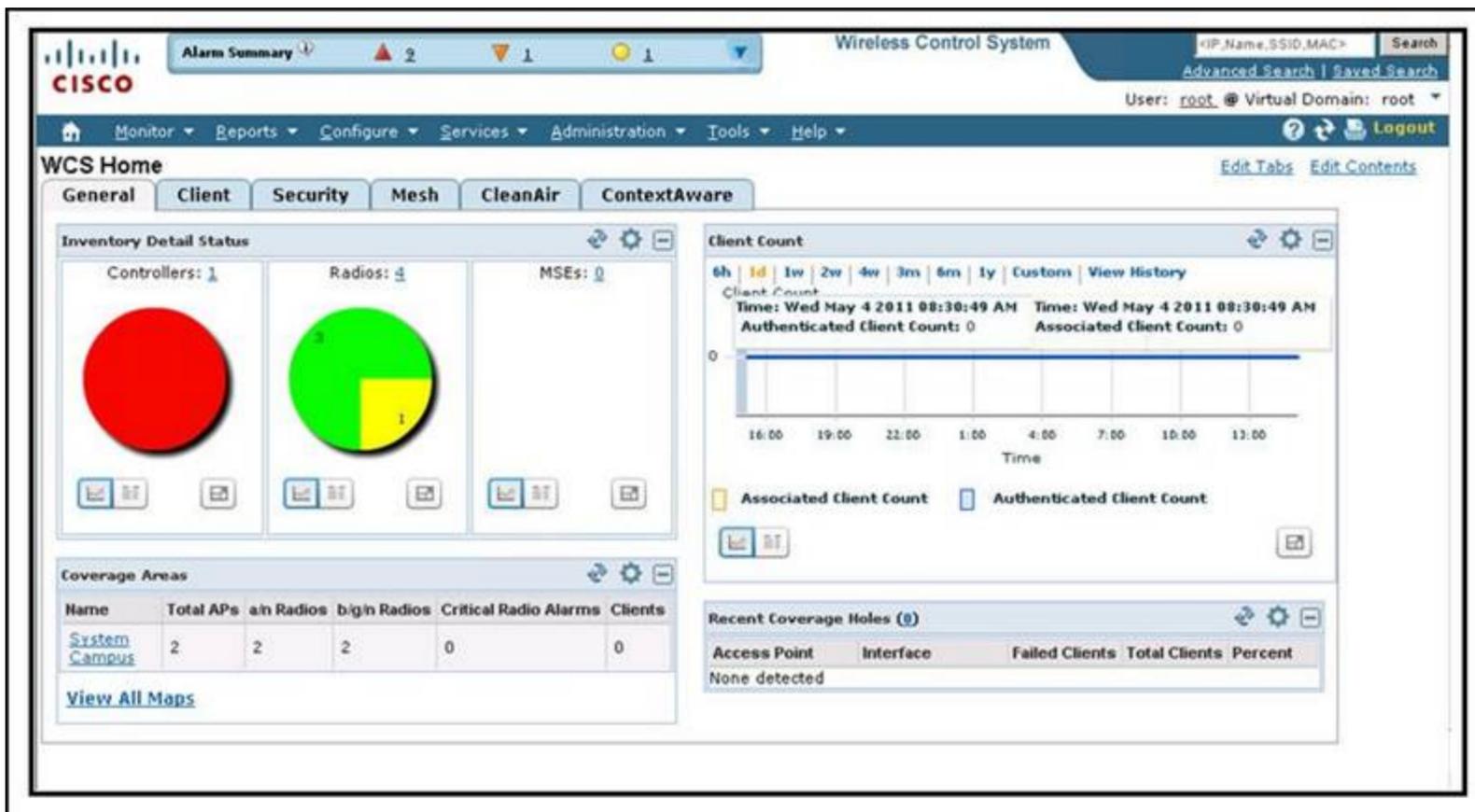
Which GUI item do you click to configure maps with APs in Cisco WCS?

A. Configure
B. Client
C. CleanAir
D. Services
E. Administration
F. Monitor

Answer: F

NEW QUESTION 352
A network engineer in the GUI of WCS version 7 wants to add an access point to a map. Where can this command be found within the drop-down menu?

A. Monitor > Maps
B. Reports > Maps
C. Monitor > Network Summary
D. Configure > Maps

Answer: A

NEW QUESTION 357
When using the CLI command eping, configured for auto-anchor mobility wireless guest access, which type of packet is tested?

A. data packets
B. mobility unencrypted packets
C. mobility encrypted packets
D. SNMP control packets
E. NTP control packets

Answer: A

NEW QUESTION 362
How can you protect the configuration file from eavesdropping, when uploading from a Cisco WLC?

A. Use the Configuration File Encryption option.
B. Choose an SCP as the transfer method.
C. Connect to the Cisco WLC by using HTTPS.
D. Connect to the Cisco WLC by using SSH.

Answer: A

NEW QUESTION 363
Which two formats are supported for uploading background graphics to create a network map in Cisco WCS? (Choose two.)

A. PNG
B. JPEG
C. DWG
D. TIFF

Answer: AB

NEW QUESTION 365
Which protocol is used for Cisco WCS to communicate with Cisco WLC?

A. SNMP
B. CAPWAP
C. HTTPS
D. SSH

Answer: A

NEW QUESTION 367
The Cisco WCS administrator wants to create an accurate RF heat map based on RF prediction data. Which statement about map creation in Cisco WCS is true?

A. The administrator must manually add walls, doors, and windows to the map.
B. Cisco WCS automatically detects walls, doors, and windows and adds them to the map, but only when Cisco WCS Navigator is available.
C. Cisco WCS automatically detects walls, doors, and windows and adds them to the map, but only when a Cisco 3300 Series MSE is available.
D. All walls, doors, and windows must be included in the file that is uploaded as a background map.

Answer: A

NEW QUESTION 370
Which Cisco WLC command family can help to troubleshoot communication between an AP and the WLC?

A. (Cisco Controller) >debug capwap
B. (Cisco Controller) >debug ap
C. (Cisco Controller) >debug cac
D. (Cisco Controller) >debug dot11

Answer: A

NEW QUESTION 373
Which statement about the impact of configuring a single SSID to support TKIP and AES encryption simultaneously is true?

A. The overhead associated with supporting both encryption methods significantly degrades client throughput.
B. Some wireless client drivers might not handle complex SSID settings and may be unable to associate to the WLAN.
C. This configuration is unsupported and the Cisco Wireless Control System generates alarms continuously until the configuration is corrected.
D. This configuration is common for migrating from WPA to WPA2. No problem is associated with using this configuration.

Answer: B

NEW QUESTION 376
Refer to the exhibit.

Which option must be chosen if only the WPA is needed?

A. WPA+WPA2
B. Static-WEP + 802.1X
C. 802.1X
D. CKIP

Answer: A

NEW QUESTION 380
Which Cisco AnyConnect module allows troubleshooting for core AnyConnect problems?

A. telemetry
B. web security
C. VPN
D. NAM
E. DART
F. posture

G. CSSC

Answer: E


NEW QUESTION 384
To implement a more secure means of communication for voice and data, what technology successfully resists interference by utilizing a wider bandwidth than needed for the transmitting signal?

A. Spread Spectrum
B. Microwave
C. Extended U-NII2
D. ISM Bands

Answer: A

NEW QUESTION 387
Refer to the exhibit.
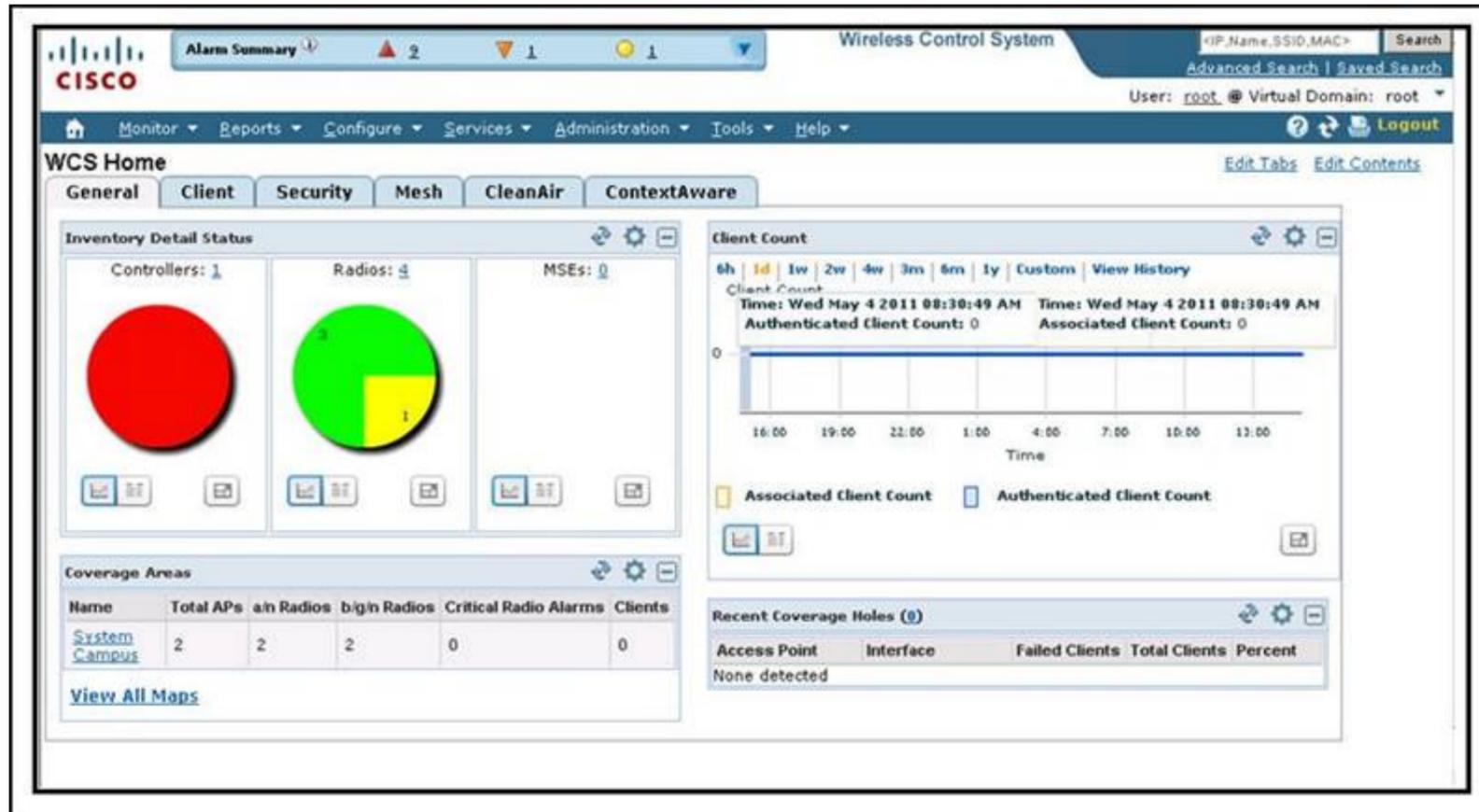
If Cisco WCS version 7.0 needs to have APs added, relocated, or removed on a respective map, which menu leads to the correct location to make that adjustment?

A. Security
B. Monitor
C. Configure
D. Services
E. Administration
F. Tools

Answer: B

NEW QUESTION 389
You are in a coffee shop and you have connected to their wireless hot-spot. Your Windows 7 wireless client shows five green bars with a yellow shield.
Which statement about the level of signal strength and the WLAN security that is present is true?

A. You have excellent signal strength and a secure network connection.
B. Your wireless client needs a username and password before it can connect to the WLAN.
C. You have excellent signal strength and the client is waiting for you to enter a username and password.
D. Your laptop is not receiving a signal.
E. Your laptop is receiving an excellent signal and the network security is open.

Answer: E

NEW QUESTION 391
Which path do you take to manage the results of a report that had been run on network utilization?

A. Reports > Report Launch Pad > Device > Utilization
B. Reports > Report Launch Pad > Scheduled Run Results
C. Reports > Saved Reports > Scheduled Run Results
D. Reports > Scheduled Run Results

Answer: D

NEW QUESTION 392
Configurations are commonly uploaded and downloaded to a WLC.
Which options are other examples of a file that can be uploaded from a Cisco 2500 Series WLC?

A. packet capture
B. crash file
C. code
D. login banner
E. PAC

Answer: B

NEW QUESTION 395

Drag the feature descriptions from the left and drop them onto the corresponding AP operational mode names on the right.	
Layer 2 forwarding for remote analysis	local mode
wIPS, MSE	monitor mode
AWPP, local bridging	rogue detector mode
Layer 1 forwarding for remote analysis	bridge mode
VLAN trunk access, wired IDS	H-REAP mode
local bridging, wIPS, OEAP, VLAN trunk access	SE-Connect mode
site survey, wIPS, MSE	sniffer mode

Answer:

Explanation:

Drag the feature descriptions from the left and drop them onto the corresponding AP operational mode names on the right.	
Layer 2 forwarding for remote analysis	site survey, wIPS, MSE
wIPS, MSE	wIPS, MSE
AWPP, local bridging	VLAN trunk access, wired IDS
Layer 1 forwarding for remote analysis	AWPP, local bridging
VLAN trunk access, wired IDS	local bridging, wIPS, OEAP, VLAN trunk access
local bridging, wIPS, OEAP, VLAN trunk access	Layer 1 forwarding for remote analysis
site survey, wIPS, MSE	Layer 2 forwarding for remote analysis

NEW QUESTION 400
Which official port should be used when configuring external RADIUS authentication on a Cisco WLC version 7.0?

A. 49
B. 1645
C. 1646
D. 1812
E. 1813

Answer: D

NEW QUESTION 402
Which key combination provides a detailed wireless connection status for an Apple MacBook running 10.6?

A. Command + Click the SSID of the network
B. Alt + Click the SSID of the network
C. Command + the Airport icon
D. Option + the Airport icon
E. Ctrl + the Airport Icon
F. Option + Click the SSID of the network

Answer: D

NEW QUESTION 404

You are configuring an IP address on an autonomous access point. Which interface do you use to configure the IP address?

A. BVI1
B. FastEthernet 0
C. Dot11Radio0
D. VLAN 1

Answer: A

NEW QUESTION 405

Refer to the exhibit.
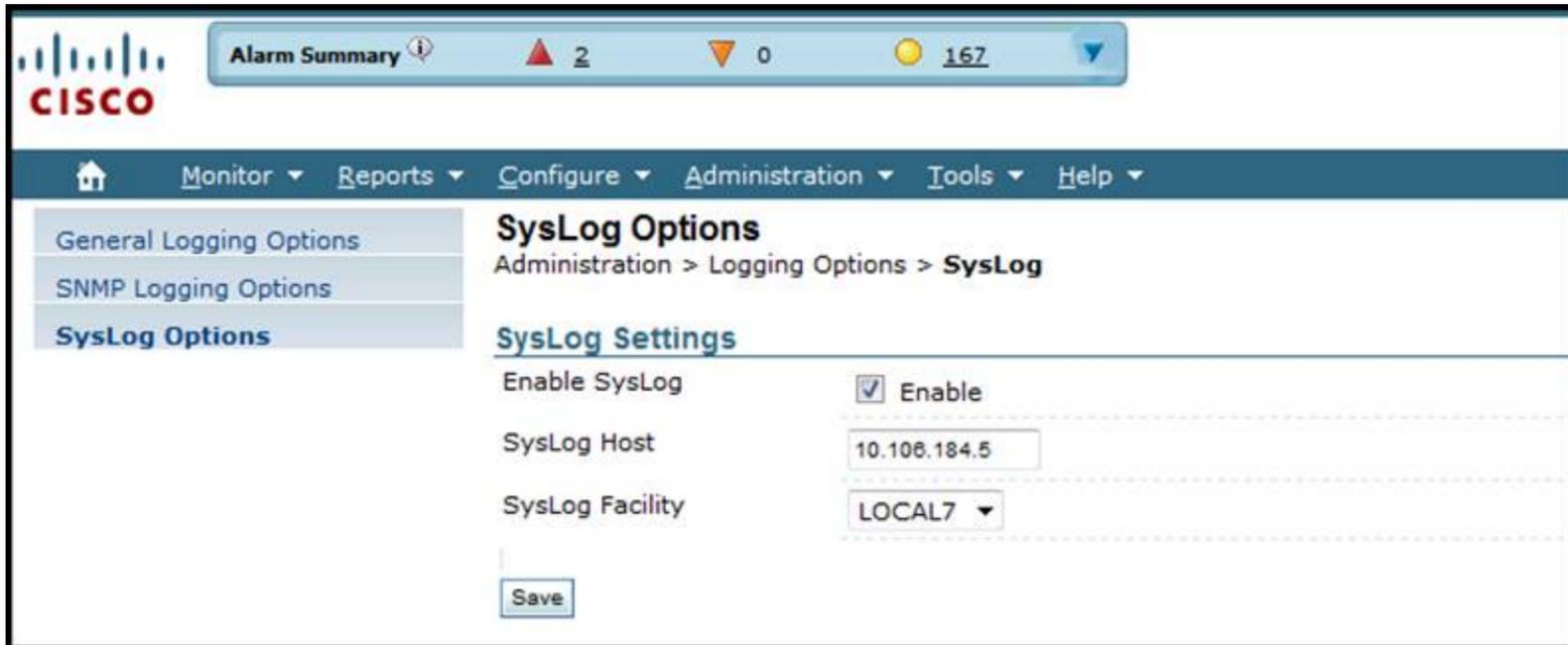
Which syslog facility option is shown?

A. an information field, which is added to every message that comes from the WLC
B. a security feature, which is set on the syslog server
C. the type of syslog server
D. the Cisco WLC identifier for this syslog server

Answer: A

NEW QUESTION 408

The wireless network is using controller-based APs and version 7.0 MR1. The APs appear to be connected properly to the controllers. A wireless user near one of the APs reports that they are unable to connect to the network with their pre-shared key.
Which option shows the GUI path where you can check the connection status of that client?

A. WLANs > WLAN_ID > Advanced
B. Security > Clients
C. Security > Advanced > Clients
D. Monitor > Clients
E. Wireless > 802.11b/g/n > clients

Answer: D

NEW QUESTION 409

Answer:

Explanation:

Drag the Cisco WCS report from the left and drop it on the category it reports on to the right.

Executive Summary		Security Risk Interferers
Configuration Audit		Inventory
Inventory		Configuration Audit
Security Risk Interferers		Executive Summary

NEW QUESTION 413
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

Answer: A

NEW QUESTION 416

When working with alarms in Cisco WCS version 7.0, several actions can be performed on respective alarms. Common actions include "Assign to me," "Unassign," or "Email Notification." However, three other action types provide similar, but important differences. Drag the alarm action names from the left and drop them on the correct corresponding definitions on the right.

Acknowledge		Remove from Alarm Summary. Allow alarm to show again. Remove alarm from database
Delete		Remove from Alarm Summary. Allow alarm to show again. Keep alarm in database for up to 30 days.
Clear		Remove from Alarm Summary. Prevent alarm from showing again. Keep alarm in database.

Answer:

Explanation:

When working with alarms in Cisco WCS version 7.0, several actions can be performed on respective alarms. Common actions include "Assign to me," "Unassign," or "Email Notification." However, three other action types provide similar, but important differences. Drag the alarm action names from the left and drop them on the correct corresponding definitions on the right.

| Acknowledge		Delete
Delete		Clear
Clear		Acknowledge

NEW QUESTION 420

Instructions ☒

- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are two multiple-choice questions with this task. Be sure to answer both questions before selecting the Next button.

Scenario ☒

A wireless LAN controller and AP are correctly configured. Verification is needed for the logging attributes while AP power adjustments are needed. Use the exhibits to resolve these issues.

Topology ☒

AP — SW1 (Gig 0/1, Gig 0/10) — WLC1
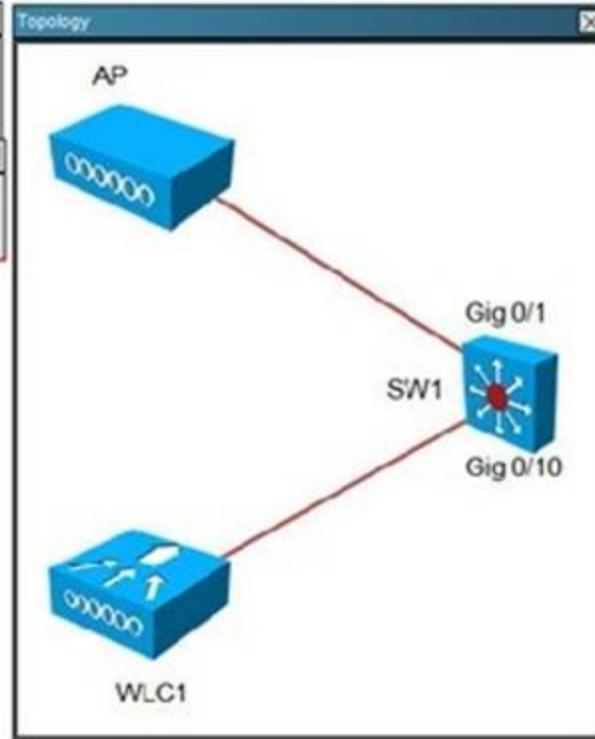
WLC 802.11bgn AP

802.11b/g/n Cisco APs > Configure

General

AP Name	AP442b.036d.4d0f
Admin Status	Enable ▼
Operational Status	UP
Slot #	0

11n Parameters

11n Supported	Yes
ClientLink	☐

CleanAir

CleanAir Capable	No
CleanAir Admin Status	Disable ▼

Antenna Parameters

Antenna Type	Internal ▼
	A ☑
Antenna	B ☑
	C ☑

RF Channel Assignment

Current Channel	11
Channel Width	20 MHz ▼
Assignment Method	◉ Global
	○ Custom

Note: Only Channels 1,6 and 11 are nonoverlapping

Tx Power Level Assignment

Current Tx Power Level	5
Assignment Method	○ Global
	◉ Custom 5 ▼

Performance Profile

View and edit Performance Profile for this AP

Performance Profile

Note: Changing any of the parameters causes the Radio to be temporarily disabled and thus may result in loss of connectivity for some clients.

WLC 802 11an AP

802.11a/n Cisco APs > Configure

General

AP Name	AP442b.036d.4d0f
Admin Status	Enable ▼
Operational Status	UP
Slot #	1

11n Parameters

11n Supported	Yes
ClientLink	☐

CleanAir

CleanAir Capable	No
CleanAir Admin Status	Disable ▼

Antenna Parameters

Antenna Type	Internal ▼	
Antenna	A	☑
	B	☑
	C	☑

RF Channel Assignment

Current Channel	149
Channel Width *	20 MHz ▼

* Channel width can be configured only when channel configuration mode

Assignment Method	⦿ Global
	○ Custom

Tx Power Level Assignment

Current Tx Power Level	4
Assignment Method	○ Global
	⦿ Custom 4 ▼

Performance Profile

View and edit Performance Profile for this AP

Performance Profile

Note: Changing any of the parameters causes the Radio to be temporarily disabled and thus may result in loss of connectivity for some clients.

Logging

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS   HELP   FEEDBACK

Syslog Configuration

Syslog Server IP Address   [   ]   Add

Syslog Server

10.10.10.25   Remove

Syslog Level	Errors ▼
Syslog Facility	Local Use 0 ▼

Msg Log Configuration

Buffered Log Level	Alerts ▼
Console Log Level	Critical ▼
File Info	☑
Trace Info	☑

What APTx Power Level Assignment would be required to increase power by 3 dBm on 2.4GHz radio?

A. 1
B. 2
C. 3
D. 4
E. 5
F. 6
G. 7
H. 8

Answer: D

NEW QUESTION 425
The results of a Cisco WCS client troubleshooting tool are summarized into a simple visual representation of a four-part progression of the connection status for a wireless client.
What are the four parts? (Choose four.)

A. client MAC address
B. 802.11 authentication

C. IP address assignment
D. 802.11 association
E. successful association
F. authentication method
G. SSID
H. client radio type

Answer: BCDE

NEW QUESTION 427

Drag the appropriate EAP descriptions on the left and drop them in the correct sequence of events for PEAP on the right.

Client sends fictitious identity.	Event 1
Client sends its certificate.	Event 2
Client sends its real identity.	Event 3
RADIUS server sends a fictitious username.	
RADIUS server sends its certificate.	
RADIUS server sends a real username.	

Answer:

Explanation:

Drag the appropriate EAP descriptions on the left and drop them in the correct sequence of events for PEAP on the right.

Client sends fictitious identity.	Client sends fictitious identity.
Client sends its certificate.	RADIUS server sends its certificate.
Client sends its real identity.	Client sends its real identity.
RADIUS server sends a fictitious username.	
RADIUS server sends its certificate.	
RADIUS server sends a real username.	

NEW QUESTION 430

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

Answer: D

NEW QUESTION 435

What is the purpose of the Log Analysis tab on the Client Troubleshooting page in Cisco WCS?

A. After you click start, the tab shows debug information for the client that is trying to re-associate.
B. The tab searches the logs for similar problems of other clients and generates a report.
C. The tab generates a report from historical logs for the client that is having problems.
D. The tab shows logs from the past hour for the client that is having problems.

Answer: A

NEW QUESTION 439

Which two Cisco WLC management-access methods are available as the default setting? (Choose two.)

A. SSH
B. HTTPS
C. Telnet
D. HTTP

Answer: AB

NEW QUESTION 440
The administrator needs to create a report that shows all controllers, APs, and Cisco 3300 Series MSEs in the WLAN, including hardware and software information. Which report includes this information?

A. Device > Inventory
B. Mesh > Nodes
C. Network Summary > Executive Summary
D. Network Summary > 802.11 Summary

Answer: A

NEW QUESTION 443
An installation uses a 21dBi parabolic dish. It is connected to the 802.11n radio via low loss antenna coax rated at 4dB loss/100 feet. After testing, it has been determined that 2mW of power will be lost in the cable. An EIRP producing 200mW is desired. What should the transmit power be set to?

A. 8mW
B. 3dBm
C. 3.16mW
D. 5mW

Answer: C

NEW QUESTION 446
Which two formats are available for Cisco WCS reports? (Choose two.)

A. PDF
B. CSV
C. HTML
D. TXT

Answer: AB

NEW QUESTION 449

WLC1 - WLAN Advanced ☒

Save Configuration | Ping

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS   HELP   FEEDBACK

WLANs > Edit 'ExamSSID'   < Back

General	Security	QoS	Advanced

Allow AAA Override   ☐ Enabled

Coverage Hole Detection   ☑ Enabled

Enable Session Timeout   ☑ 1800
                              Session Timeout (secs)

Airone: IE   ☑ Enabled

Diagnostic Channel   ☐ Enabled

IPv6 Enable [2]   ☐

Override Interface ACL   None ▾

P2P Blocking Action   Disabled   ▾

Client Exclusion [2]   ☑ Enabled   60
                                         Timeout Value (secs)

Maximum Allowed Clients [2]   0

Static IP Tunneling [12]   ☐ Enabled

Off Channel Scanning Defer

Scan Defer Priority   0 1 2 3 4 5 6 7
                           ☐ ☐ ☐ ☐ ☑ ☑ ☑ ☐

DHCP

DHCP Server   ☐ Override

DHCP Addr. Assignment   ☐ Required

Management Frame Protection (MFP)

MFP Client Protection [4]   Optional ▾

DTIM Period (in beacon intervals)

802.11a/n (1 - 255)   1

802.11b/g/n (1 - 255)   1

NAC

NAC State   None   ▾

Load Balancing and Band Select

Client Load Balancing   ☐

Client Band Select [2]   ☐

```
SW1 Show Run

SW1#show running-configuration
Building configuration...

Current configuration : 2429 bytes
!
version 12.2
no service pad
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname SW
!
!
no aaa new-model
system mtu routing 1500
ip subnet-zero
no ip domain-lookup
ip dhcp excluded-address 10.10.10.1 10.10.10.128
!
ip dhcp pool Management
   network 10.10.10.0 255.255.255.0
   default-router 10.10.10.1
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
!
interface FastEthernet0
 no ip address
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface GigabitEthernet0/3
!
```
```
interface GigabitEthernet0/4
!
interface GigabitEthernet0/5
!
interface GigabitEthernet0/6
!
interface GigabitEthernet0/7
!
interface GigabitEthernet0/8
!
interface GigabitEthernet0/9
!
interface GigabitEthernet0/10
!
interface GigabitEthernet0/11
!
interface GigabitEthernet0/12
!
interface GigabitEthernet0/13
!
interface GigabitEthernet0/14
!
interface GigabitEthernet0/15
!
interface GigabitEthernet0/16
!
interface GigabitEthernet0/17
!
interface GigabitEthernet0/18
!
interface GigabitEthernet0/19
!
interface GigabitEthernet0/20
!
interface GigabitEthernet0/21
!
interface GigabitEthernet0/22
!
interface GigabitEthernet0/23
!
interface GigabitEthernet0/24
!
interface GigabitEthernet0/25
!
interface GigabitEthernet0/26
!
```
```
interface GigabitEthernet0/27
!
interface GigabitEthernet0/28
!
interface GigabitEthernet0/29
!
interface GigabitEthernet0/30
!
interface GigabitEthernet0/31
!
```

```
SW1 Show Run

SW1#show running-configuration
Building configuration...

Current configuration : 2427 bytes
!
version 12.2
no service pad
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname SW
!
!
no aaa new-model
system mtu routing 1500
ip subnet-zero
no ip domain-lookup
ip dhcp excluded-address 10.10.10.1 10.10.10.128
!
ip dhcp pool Management
   network 10.10.10.0 255.255.255.0
   default-router 10.10.10.1
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
interface FastEthernet0
 no ip address
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface GigabitEthernet0/3
!
interface GigabitEthernet0/4
!
interface GigabitEthernet0/5
!
interface GigabitEthernet0/6
!
interface GigabitEthernet0/7
!
interface GigabitEthernet0/8
!
interface GigabitEthernet0/9
!
interface GigabitEthernet0/10
!
interface GigabitEthernet0/11
!
interface GigabitEthernet0/12
!
interface GigabitEthernet0/13
!
interface GigabitEthernet0/14
!
interface GigabitEthernet0/15
!
interface GigabitEthernet0/16
!
interface GigabitEthernet0/17
!
interface GigabitEthernet0/18
!
interface GigabitEthernet0/19
!
interface GigabitEthernet0/20
!
interface GigabitEthernet0/21
!
interface GigabitEthernet0/22
!
interface GigabitEthernet0/23
!
interface GigabitEthernet0/24
!
interface GigabitEthernet0/25
!
interface GigabitEthernet0/26
!
interface GigabitEthernet0/27
!
interface GigabitEthernet0/28
!
interface GigabitEthernet0/29
!
interface GigabitEthernet0/30
!
interface GigabitEthernet0/31
!
interface GigabitEthernet0/32
!
interface GigabitEthernet0/33
!
interface GigabitEthernet0/34
!
interface GigabitEthernet0/35
!
interface GigabitEthernet0/36
!
interface GigabitEthernet0/37
!
interface GigabitEthernet0/38
!
interface GigabitEthernet0/39
!
interface GigabitEthernet0/40
!
interface GigabitEthernet0/41
!
interface GigabitEthernet0/42
!
interface GigabitEthernet0/43
```

```
interface GigabitEthernet0/50
!
interface GigabitEthernet0/51
!
interface GigabitEthernet0/52
!
interface TenGigabitEthernet0/1
!
interface TenGigabitEthernet0/2
!
interface Vlan1
 ip address 10.10.10.1 255.255.255.0
!
ip classless
ip http server
ip http secure-server
!
!
control-plane
!
!
line con 0
line vty 0 4
 login
line vty 5 15
 login
!
end
```

WLC1 - Intf Mgt

CISCO

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY

Controller

Interfaces > Edit

General
Inventory
Interfaces
Interface Groups
Multicast
▶ Internal DHCP Server
▶ Mobility Management
Ports
▶ NIP
▶ CDP
▶ Advanced

General Information

| Interface Name | management |
| MAC Address | d0:c2:82:e0:53:80 |

Configuration

| Quarantine | ☐ |
| Quarantine Vlan Id | 0 |

NAT Address

| Enable NAT Address | ☐ |

Interface Address

VLAN Identifier	0
IP Address	10.10.10.10
Netmask	255.255.255.0
Gateway	10.10.10.1

Physical Information

Port Number	1
Backup Port	0
Active Port	1
Enable Dynamic AP Management	☑

DHCP Information

| Primary DHCP Server | 10.10.10.10 |
| Secondary DHCP Server | 10.10.10.1 |

Access Control List

| ACL Name | none ▼ |

Note: Changing the Interface parameters causes the WLANs to be temporarily disabled and thus may result in loss of connectivity for some clients.

WLC1 - DHCP Scope

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS   HELP

DHCP Scope > Edit

Scope Name	IP Bottom
Pool Start Address	10.10.10.20
Pool End Address	10.10.10.127
Network	10.10.10.0
Netmask	255.255.255.0
Lease Time (seconds)	86400
Default Routers	10.10.10.1 0.0.0.0 0.0.0.0
DNS Domain Name	
DNS Servers	0.0.0.0 0.0.0.0 0.0.0.0
Netbios Name Servers	0.0.0.0 0.0.0.0 0.0.0.0
Status	Disabled ▾

All equipment is operational. Through which two methods can a wireless client receive an IP address when associating to the WLAN? (Choose two.)

A. The clients can receive an IP address from SW1.
B. Tie clients can receive an IP address from WLC1.
C. The clients will not receive an IP address from either DHCP server because of overlapping address ranges.
D. The clients can receive an IP address in a round-robin maner from either SW1 or WLC1.
E. The clients can use a static IP address.

Answer: BE

NEW QUESTION 453

Instructions

• **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURAITON**
• To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
• There are two multiple-choice questions with this task. Be sure to answer both questions before selecting the Next button.

Scenario

You are deploying a small wireless test network in a lab. The network is made up of a wireless LAN controller, a dual radio AP, and an IOS switch. You are testing the ability of wireless clients to access the network and are experiencing problems. Use the exhibits to resolve the issues.

Topology

AP

Gig 0/1

SW1

Gig 0/10

WLC1
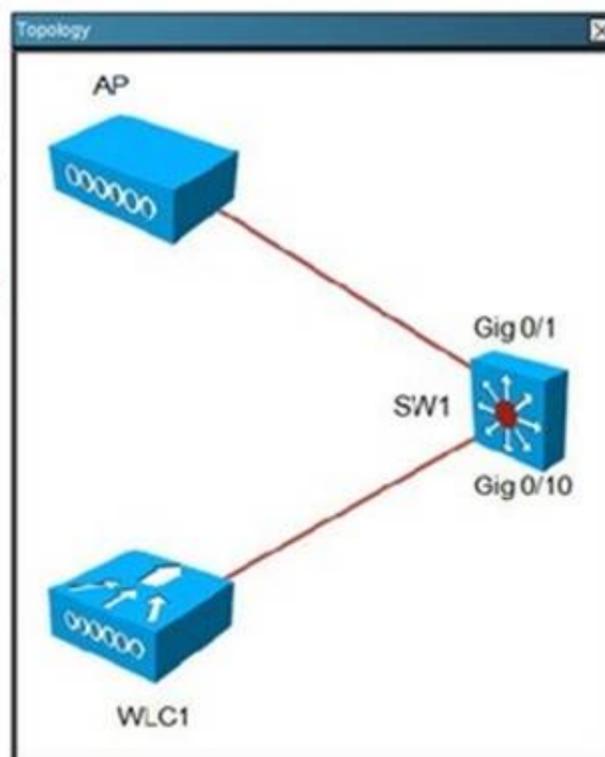
802 11an Network

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS   HELP   FEEDBACK

802.11a Global Parameters

General

802.11a Network Status	☑ Enabled
Beacon Period (millisecs)	100
Fragmentation Threshold (bytes)	2346
DTPC Support	☑ Enabled

802.11a Band Status

Low Band	Enabled
Mid Band	Enabled
High Band	Enabled

11n Parameters

ClientLink	☐ Enabled

Data Rates**

6 Mbps	Mandatory ▼
9 Mbps	Supported ▼
12 Mbps	Mandatory ▼
18 Mbps	Supported ▼
24 Mbps	Mandatory ▼
36 Mbps	Supported ▼
48 Mbps	Supported ▼
54 Mbps	Supported ▼

CCX Location Measurement

Mode	☐ Enabled

---

802 11an AP

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS   HELP   FEEDBACK

802.11a/n Cisco APs > Configure

General

AP Name	AF442b.036d.4d0f
Admin Status	Enable ▼
Operational Status	UP
Slot #	1

11n Parameters

11n Supported	Yes
ClientLink	☐

CleanAir

CleanAir Capable	No
CleanAir Admin Status	Disable ▼

Antenna Parameters

Antenna Type	Internal ▼
	A ☑
Antenna	B ☑
	C ☑

RF Channel Assignment

Current Channel	149
Channel Width *	20 MHz ▼

* Channel width can be configured only when channel configuration mode

Assignment Method	⦿ Global
	◯ Custom

Tx Power Level Assignment

Current Tx Power Level	4
Assignment Method	◯ Global
	⦿ Custom 4 ▼

Performance Profile

View and edit Performance Profile for this AP

[**Performance Profile**]

Note: Changing any of the parameters causes the Radio to be temporarily disabled and thus may result in loss of connectivity for some clients.

802 11bg Network ☒

| MONITCR | WLANs | CONTROLLER | WIRELESS | SECURITY | MANAGEMENT | COMMANDS | HELP | FEEDBACK |

802.11b/g Global Parameters

General

		Data Rates**	
802.11b/g Network Status	☑ Enabled	1 Mbps	Disabled ▾
802.11g Support	☑ Enabled	2 Mbps	Disabled ▾
Beacon Period (millisecs)	100	5.5 Mbps	Disabled ▾
Short Preamble	☑ Enabled	5 Mbps	Supportec ▾
Fragmentation Threshold (bytes)	2346	9 Mbps	Supportec ▾
DTPC Support.	☑ Enabled	11 Mbps	Disabled ▾
		12 Mbps	Mandatory ▾
11n Parameters		18 Mbps	Supporter ▾
ClientLink	☐ Enabled	24 Mbps	Supportec ▾
		36 Mbps	Supportec ▾
CCX Location Measurement		48 Mbps	Supportec ▾
Mode	☐ Enabled	54 Mbps	Supportec ▾

WLAN General

| MONITOR | WLANs | CONTROLLER | WIRELESS | SECURITY | MANAGEMENT | COMMANDS | HELP | FEEDBACK |

WLANs > Edit 'ExamSSID'

| General | Security | QoS | Advanced |

Profile Name	ExamSSID
Type	WLAN
SSID	ExamSSID
Status	☑ Enabled
Security Policies	[WPA2][Auth(PSK)]
	(Modifications done under security tab will appear after applying the changes.)
Radio Policy	802.11b/g only ▾
Interface/Interface Group(G)	management ▾
Multicast Vlan Feature	☐ Enabled
Broadcast SSID	☐ Enabled

802 11bg AP

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS   HELP   FEEDBACK

802.11b/g/n Cisco APs > Configure

General

AP Name	AP442b.03bd.4d9f
Admin Status	Enable ▾
Operational Status	UP
Slot #	0

11n Parameters

11n Supported	Yes
ClientLink	☐

CleanAir

CleanAir Capable	No
CleanAir Admin Status	Disable ▾

Antenna Parameters

Antenna Type	Internal ▾	
	A	☑
Antenna	B	☑
	C	☑

RF Channel Assignment

Current Channel	11
Channel Width	20 MHz ▾
Assignment Method	◉ Global
	○ Custom

Note: Only Channels 1,6 and 11 are nonoverlapping

Tx Power Level Assignment

Current Tx Power Level	5
Assignment Method	○ Global
	◉ Custom 5 ▾

Performance Profile

View and edit Performance Profile for this AP

[Performance Profile]

Note: Changing any of the parameters causes the Radio to be temporarily disabled and thus may result in loss of connectivity for some clients.

WLAN Security

ıı|ıı|ıı
CISCO

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS   HELP

WLANs

▾ **WLANs**
  WLANs

▸ **Advanced**

WLANs > Edit 'ExamSSID'

General	**Security**	QoS	Advanced

Layer 2	Layer 3	AAA Servers

Layer 2 Security ℹ [WPA+WPA2 ▾]

☐ MAC Filtering

WPA+WPA2 Parameters

WPA Policy	☐
WPA2 Policy	☑
WPA2 Encryption	☐ AES ☑ TKIP
Auth Key Mgmt	[PSK ▾]
PSK Format	[ASCII ▾]
	•••••

WLAN QoS

ıı|ıı|ıı
CISCO

MONITOR   WLANs   CONTROLLER   WIRELESS   SECURITY   MANAGEMENT   COMMANDS

WLANs

▾ **WLANs**
  WLANs

▸ **Advanced**

WLANs > Edit 'ExamSSID'

General	Security	**QoS**	Advanced

Quality of Service (QoS) [Silver (best effort) ▾]

WMM

WMM Policy	[Required ▾]
7920 AP CAC	☐ Enabled
7920 Client CAC	☐ Enabled
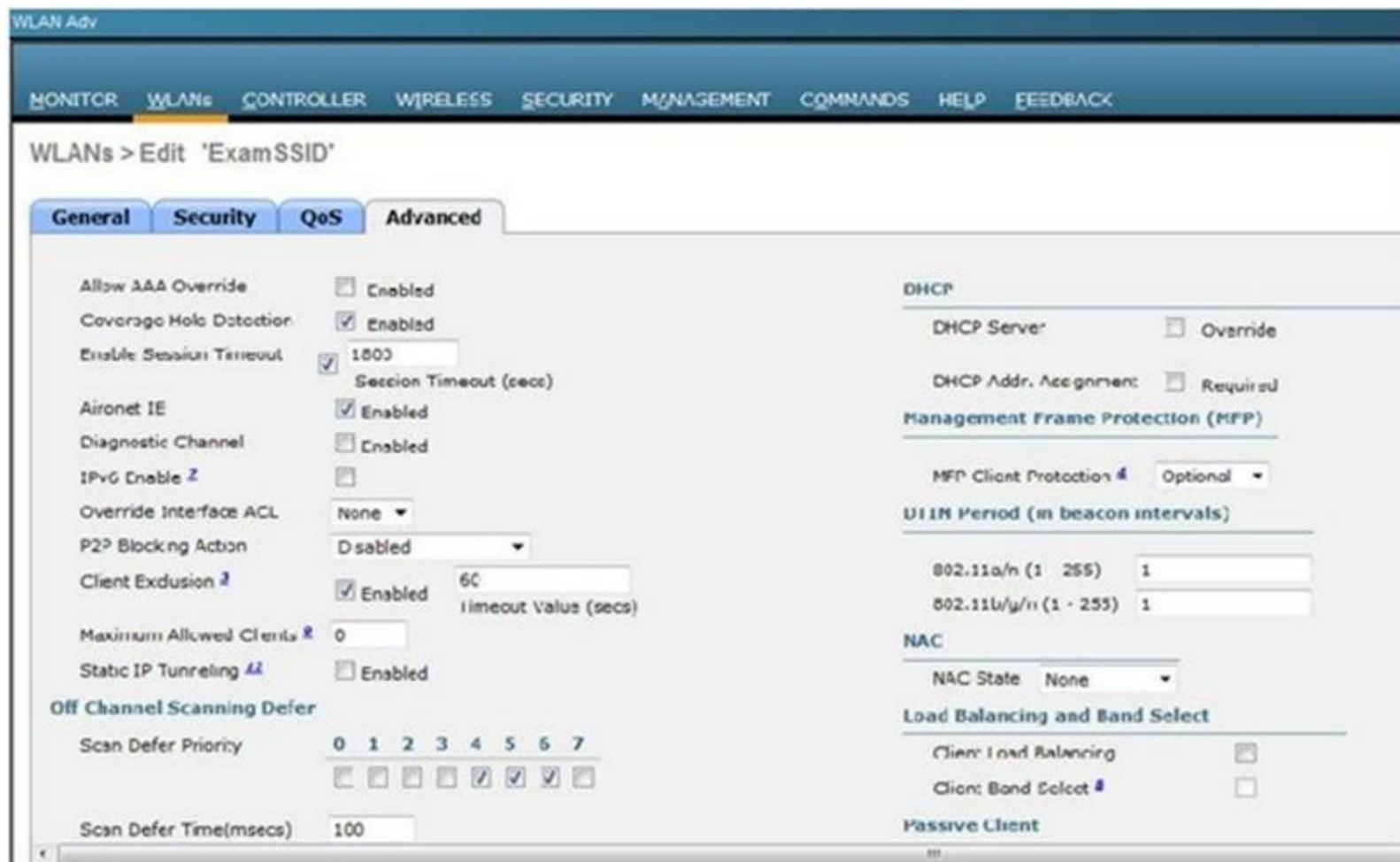
Tablets and other wireless clients are unable to connect at any 802.11 n data rates. What is the most likely cause of this problem?

A. WLAN > General properties are incorrectly configured.
B. WLAN > QoS properties are incorrectly configured.
C. WLAN > Security properties are incorrectly configured.
D. WLAN > Advanced properties are incorrectly configured.
E. Wireless > AP > 802.11 a/n is incorrectly configured.
F. Wireless > 802.11a/n > Network is incorrectly configured.

Answer: C

NEW QUESTION 454
Which portion of a WLAN deployment can WLC message logs help to troubleshoot?

A. RF issues
B. encryption issues between APs and clients
C. configuration verification issues
D. infrastructure and client Issues
E. AP placement issues

Answer: D

NEW QUESTION 455
You have a lightweight AP that has been moved to a new subnet and has become stranded because DNS and DHCP servers are unavailable. The AP cannot connect to the controller.
When connected to the console port, which three minimum parameters must you configure? (Choose three.)

A. AP IP address
B. controller name
C. AP hostname
D. default gateway IP address
E. controller IP address
F. username and password

Answer: ADE

NEW QUESTION 460
Which Cisco AnyConnect module allows you to set the parameters that are needed to connect to the wireless network?

A. NAM
B. DART
C. posture
D. telemetry

Answer: A

NEW QUESTION 461
Which statement describes a security weakness of a WPA2 with a PSK?

A. The compromised key can be used for another connection.
B. The key can be eavesdropped from the wireless medium.
C. The key can be recreated from a few eavesdropped frames.
D. The key is not case-sensitive and is vulnerable to compromise by brute-force methods.

Answer: A

NEW QUESTION 466
What are two wireless configuration utilities for Apple Mac computers? (Choose two.)

A. AirPort
B. AirPort Extreme
C. AirManager
D. AirManager Supreme
E. AirAssistant Ultimate

Answer: AB

NEW QUESTION 468
Refer to the exhibit.
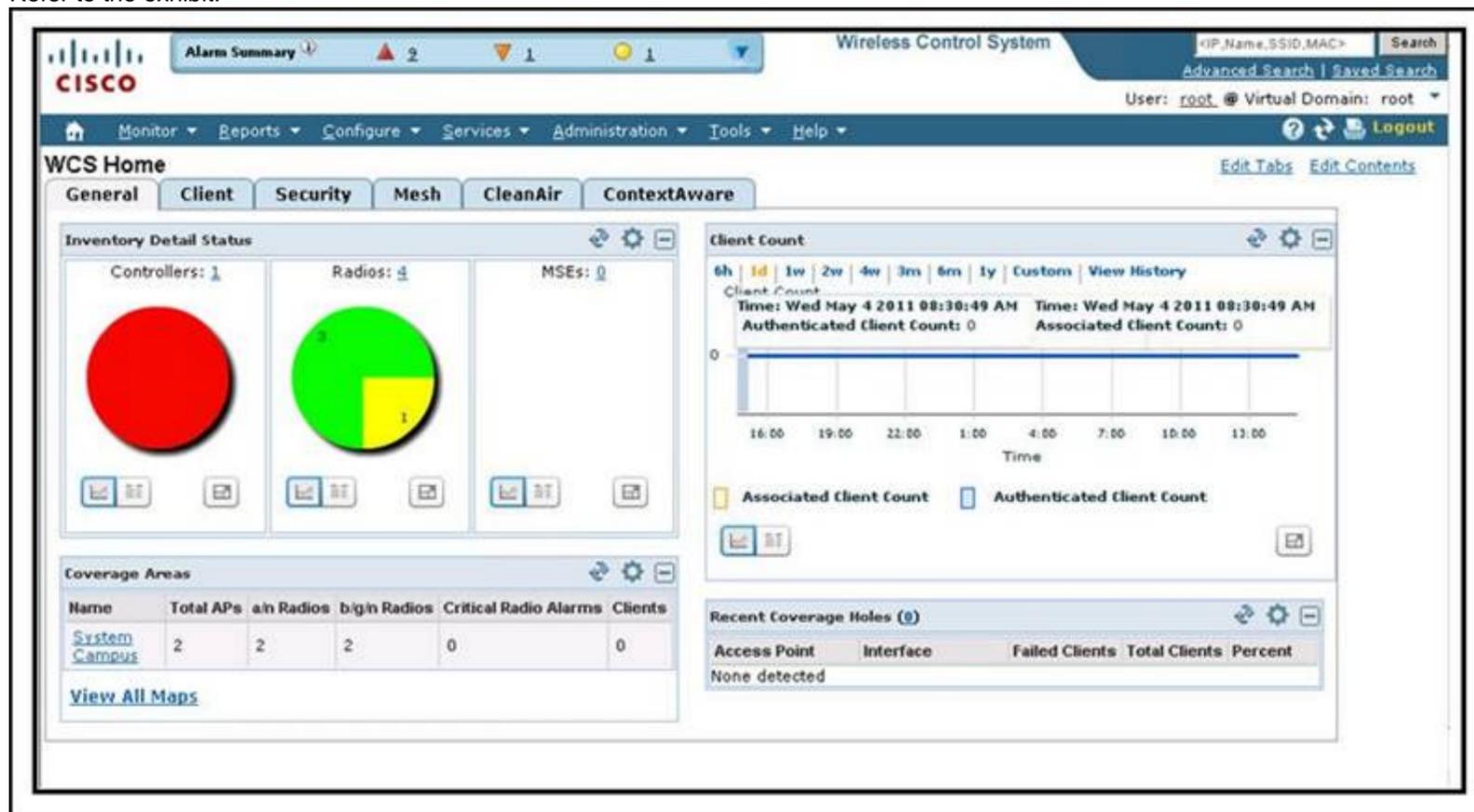
Which action allows you to view a summary count by alarm types for the displayed total of 11 alarms?

A. Choose Monitor > Alarms
B. Click the Security tab
C. Click a respective number in the Alarm Summary
D. Click the Alarm Summary blue arrow
E. Choose Home (house icon) > Alarm Summary

Answer: D

NEW QUESTION 470
Refer to the exhibit.

Which two statements about the status of the respective AP on a Cisco WCS version 7.0 map does this icon represent? (Choose two.)

A. The 802.11a/n radio is administratively disabled.
B. The 802.11a/n radio has a minor fault.
C. The 802.11a/n radio has a major fault.
D. The 802.11b/g/n radio is administratively disabled.
E. The 802.11b/g/n radio has a minor fault.
F. The 802.11b/g/n radio has a major fault.

Answer: BF

NEW QUESTION 475
Which two destinations can Cisco WCS administrators specify for a scheduled report? (Choose two.)

A. a file on the Cisco WCS
B. a specified email address
C. a specified World Wide Web server
D. a TFTP server

Answer: AB

NEW QUESTION 478

Instructions

• **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
• To access the multiple-choice question, click on the numbered box on the left of the top panel.
• There is **one** multiple-choice question with this task. Be sure to answer the question before selecting the Next button.

Scenario

A Cisco Wireless LAN Controller has been correctly configured for AP and wireless client access. The WLC and AP have been connected using a configured Cisco IOS switch. Unexpected results are occurring for the AP association to the WLC. Refer to the exhibits to answer the question.

SW1 Show Run

```
SW1#show run
Building configuration...

Current configuration : 3537 bytes
!
version 12.2
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname Switch
!
boot-start-marker
boot-end-marker
!
enable secret 5 $1$Wp4r$xs.hQpilAfTXJN1gR3oxe1
!
no aaa new-model
system mtu routing 1500
ip routing
ip dhcp excluded-address 10.10.10.1 10.10.10.100
ip dhcp excluded-address 10.20.20.1 10.20.20.100
!
ip dhcp pool vlan1
    network 10.10.10.0 255.255.255.0
    default-router 10.10.10.1
!
ip dhcp pool vlan20
    network 10.20.20.0 255.255.255.0
    default-router 10.20.20.1
!
no ip domain-lookup
!
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
interface FastEthernet0/1
 switchport mode access
 spanning-tree portfast
!
interface FastEthernet0/2
 switchport mode access
 spanning-tree portfast
!
interface FastEthernet0/3
 switchport mode access
 spanning-tree portfast
!
interface FastEthernet0/4
 switchport mode access
 spanning-tree portfast
!
interface FastEthernet0/5
 switchport access vlan 20
 switchport mode access
 spanning-tree portfast
!
interface FastEthernet0/6
 switchport access vlan 20
 switchport mode access
 spanning-tree portfast
!
interface FastEthernet0/7
 switchport access vlan 20
 switchport mode access
 spanning-tree portfast
!
interface FastEthernet0/8
 switchport access vlan 20
 switchport mode access
 spanning-tree portfast
!
Output omitted for brevity
!
interface Vlan1
 ip address 10.10.10.1 255.255.255.0
!
interface Vlan20
 ip address 10.20.20.1 255.255.255.0
!
ip classless
```

The AP is unable to join the WLC. What switch configuration will correct this problem?

A. interface vlanlip helper-address 10.10.10.10
B. interface vlan20ip helper-address 10.10.10.10
C. ipdhcp pool vlanloption 43 ascii '10.10.10.10'
D. ip dhcp pool vlan20option 43 ascii '10.10.10.10'
E. ipdhcp pool vlanloption 43 hex f1040a0a0a0a
F. ip dhcp pool vlan20option 43 hex f1040a0a0a0a

Answer: F

NEW QUESTION 479
Refer to the exhibit.

Which GUI item do you click to configure authentication and authorization in Cisco WCS?

A. Security

B. Monitor
C. Configure
D. Services
E. Administration
F. Tools

Answer: E

NEW QUESTION 481
Which two factors must be considered when evaluating an RF interferer for severity? (Choose two.)

A. distance from the AP
B. dBm
C. the type of security crack being used
D. duty cycle
E. number of interfering IP stations in the cell
F. duplicate SSID

Answer: BD

NEW QUESTION 482
Which wireless client attempts to authenticate by using 802.1X?

A. supplicant
B. authenticator
C. EAP
D. RADIUS

Answer: A

NEW QUESTION 487
You have brought your MacBook Pro running OS 10.6 to work and intend use the enterprise wireless network. This network is using EAP-FAST and 2.4 GHz for data and 5 GHz for VoWLAN.
Which statement about the laptop configuration and wireless connection is true?

A. Install a USB wireless adapter and configure
B. Install Apple EAP-Fast plug-in and configure
C. Install Cisco AnyConnect v2.4 and configure
D. Configure Apple network preferences for EAP-FAST
E. The laptop does not support EAP-FAST and will be unable to connect
F. The laptop only supports 5 GHz and will be unable to connect

Answer: D

NEW QUESTION 488
Which two protocols are available to download or upload files to or from Cisco WLC? (Choose two.)

A. FTP
B. TFTP
C. SCP
D. HTTP
E. HTTPS

Answer: AB

NEW QUESTION 493
The network administrator wants an access point to be able to find rogue APs and to support location-based services. Which AP mode meets this requirement while having the radios up and preventing client connections?

A. monitor
B. sniffer
C. rogue-detection
D. H-REAP

Answer: A

NEW QUESTION 496
A client is attached to the Cisco Unified Wireless Network using controllers.
When the client is using WPA2 and EAP authentication, where are the wireless encryption keys located during the active user session? (Choose two.)

A. On the access point
B. On the RADIUS server
C. On the Cisco WCS
D. On the client
E. On the Cisco WLC

Answer: AD

NEW QUESTION 500

Drag the features on the left that use the "split MAC" model and drop them on the appropriate device on the right.

802.11 frame translation and bridging	Controller
mobility management	Target
encryption downstream	Target
providing real-time signal-quality information	Target
QoS policies	**AP**
decryption upstream	Target
	Target
	Target

Answer:

Explanation:

Drag the features on the left that use the "split MAC" model and drop them on the appropriate device on the right.

802.11 frame translation and bridging	Controller
mobility management	QoS policies
encryption downstream	mobility management
providing real-time signal-quality information	802.11 frame translation and bridging
QoS policies	**AP**
decryption upstream	providing real-time signal-quality information
	encryption downstream
	decryption upstream

NEW QUESTION 504
Which EAP protocol requires a certificate only on the server side?

A. EAP-PEAP
B. EAP-FAST
C. EAP-TLS
D. EAP-SSL

Answer: A

NEW QUESTION 509
Which action secures the SNMPv2C protocol in a Cisco WLC?

A. configure new communities and disable default communities
B. use digital certificates to authenticate and encrypt transmissions
C. enable password or transfer encryption
D. set a username and difficult-to-guess password

Answer: A

NEW QUESTION 512
Which statement about theimpact of configuring a single SSID to support TKIP and AES encryption simultaneouslyis true?

A. The overhead associated with supporting both encryption methods degrades client throughput significantly.
B. Some wireless client drivers might not handle complex SSID settings and may be unable to associate to the WLAN.
C. This configuration is unsupported and the Cisco Wireless Control System generates alarms continuously until the configuration is corrected.
D. This configuration is common for migrating from WPA to WPA2. No problem is associated with using this configuration.

Answer: B

NEW QUESTION 514
An AP using version 7.0 MR1 broadcasts a Layer 3 CAPWAP discovery message on the local IP subnet. Which step does the AP take next?

A. Determine if the controller responses include the primary controller.
B. Determine if the controller responses include the master controller.
C. Send a discovery request using DHCP option 43.
D. Send a discovery request using DNS.
E. Send a discovery request using locally stored information on the AP.
F. Send a discovery request using OTAP.

Answer: E

NEW QUESTION 516
What is the function of the Cisco AnyConnect DART tool?

A. creates a compressed bundle of client logs and information
B. visualizes a WLAN environment, showing the possible locations of problems
C. gathers statistics from neighboring clients for comparison to the baseline
D. helps to troubleshoot a WLAN connection by using easy-to-use wizards and statistic viewers

Answer: A

NEW QUESTION 517
What are four features of WPA? (Choose four.)

A. a larger initialization vector, increased to 48 bits
B. a message integrity check protocol to prevent forgeries
C. authenticated key management using 802.1X
D. support for a key caching mechanism
E. unicast and broadcast key management
F. requires AES-CCMP

Answer: ABCE

NEW QUESTION 519
When using a Cisco WLC version 7.0 with a default configuration, how is a remote management HTTPS access connection secured?

A. The Cisco WLC uses a pre-shared key to authenticate the user, which limits the number of potential users that can access the controller.
B. The Cisco WLC generates its own local web administration SSL certificate and automatically applies it to the GUI.
C. The Cisco WLC uses a CA certificate for SSL access.
D. The Cisco WLC uses HTTPS to secure the HTTP session via a preconfigured password that generates a certificate for each session.

Answer: B

NEW QUESTION 521
Which description best describes upfade in a multipath environment?

A. In this situation, multiple signal paths are not sent at exactly the same tim
B. The receiver receives a positive crest on the primary signal and a negative crest on the secondary signal.
C. In this situation, the multiple signal paths are distorted and difficult to understand.
D. In this situation, the multiple signal paths are weaker than they should be because the signals are out of phase with each other.
E. In this situation, the signal is stronger than it should be because multiple signal paths are received twice at exactly the same time, which results in the multiple signals being in-phase.

Answer: D

NEW QUESTION 523
Cisco Client Management Frame Protection is running on a mobility group with two controllers. Which two MFP requirements protect the network? (Choose two.)

A. forces clients to authenticate, using a secure EAP method only
B. implements the validation of wireless management frames
C. requires Cisco Compatible Extensions v5
D. requires the use of a nonbroadcast SSID
E. requires Cisco Compatible Extensions v4

Answer: BC

NEW QUESTION 527

Drag the Cisco WCS report from the left and drop it on the category it reports on to the right.

Worst Interferers		Performance
Network Utilization		CleanAir
PCI DSS Summary		Network Summary
802.11n Summary		Compliance

Answer:

Explanation:

Drag the Cisco WCS report from the left and drop it on the category it reports on to the right.

Worst Interferers		Network Utilization
Network Utilization		Worst Interferers
PCI DSS Summary		802.11n Summary
802.11n Summary		PCI DSS Summary

NEW QUESTION 530
Which CAPWAP AP management-access method is available as the default setting?

A. only the console port
B. the console port and SSH
C. the console port, SSH, and HTTPS
D. SSH only

Answer: A

NEW QUESTION 533
When Cisco AnyConnect modules are installed on a PC, which module must be installed first?

A. telemetry
B. web security
C. VPN
D. NAM
E. DART
F. posture
G. CSSC

Answer: C

NEW QUESTION 538
Refer to the exhibit.
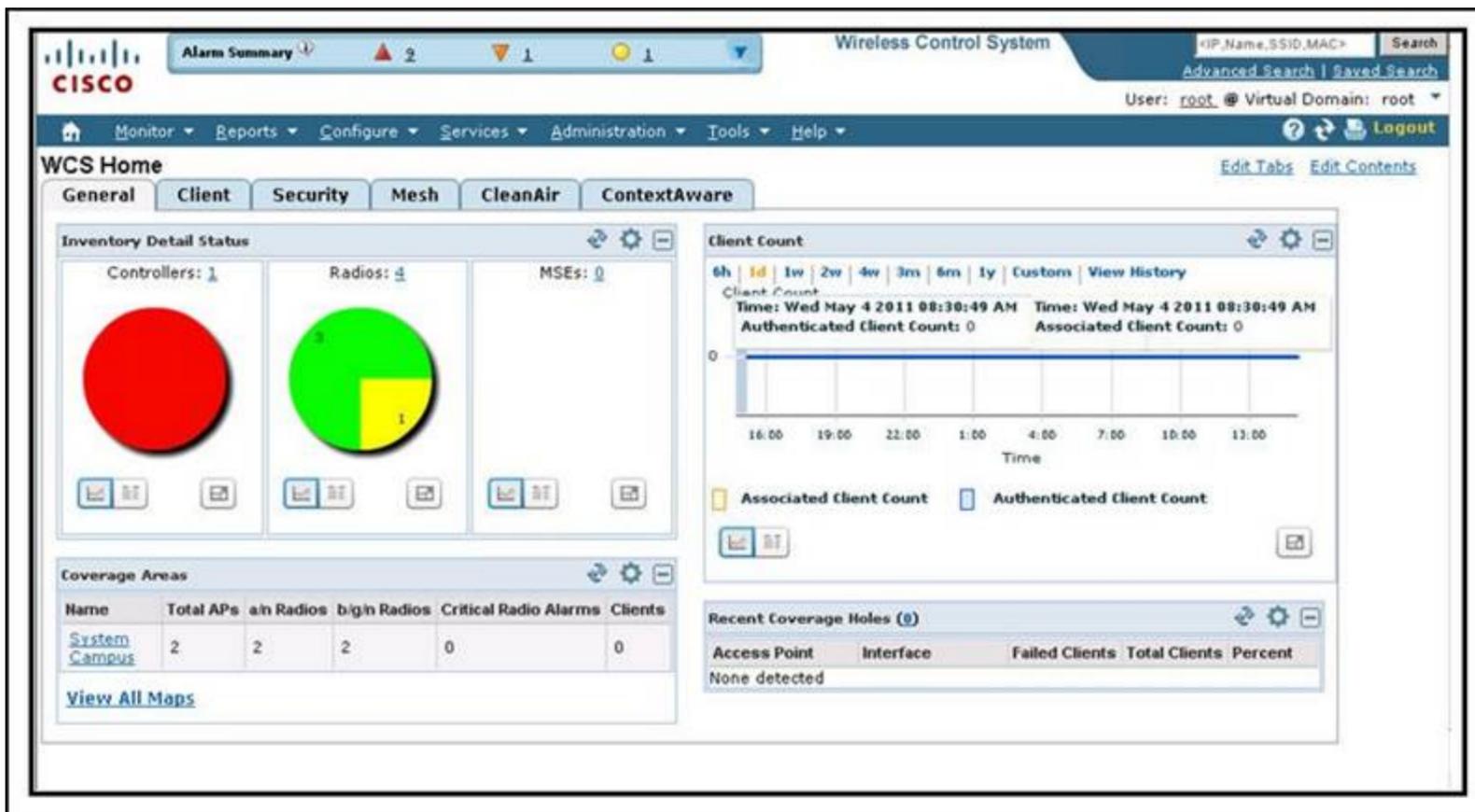
Cisco WCS version 7.0 has a configuration mismatch with what is actually running in the controller. Which menu leads to the Audit Status Report?

A. Security
B. Monitor
C. Configure
D. Services
E. Administration
F. Tools

Answer: C

NEW QUESTION 539
You are configuring SNMPv1/v2c on a WLC. What should you do for improved security?

A. Remove the default SNMPv1 community.
B. Remove the default SNMPv1 and SNMPv2 communities.
C. Remove the default SNMPv2 community.
D. Remove the default SNMPv3 users.

Answer: B

NEW QUESTION 542
Refer to the exhibit.

Which tab is used to set up web authentication for guest users?

A. Security > Layer 3
B. Security > Layer 2
C. Security > AAA Servers
D. Advanced
E. General

Answer: A

NEW QUESTION 544
Which Cisco AnyConnect module allows troubleshooting for core Cisco AnyConnect problems?

A. telemetry
B. web security
C. VPN
D. NAM
E. DART
F. posture
G. CSSC

Answer: E

NEW QUESTION 545
Refer to the exhibit.
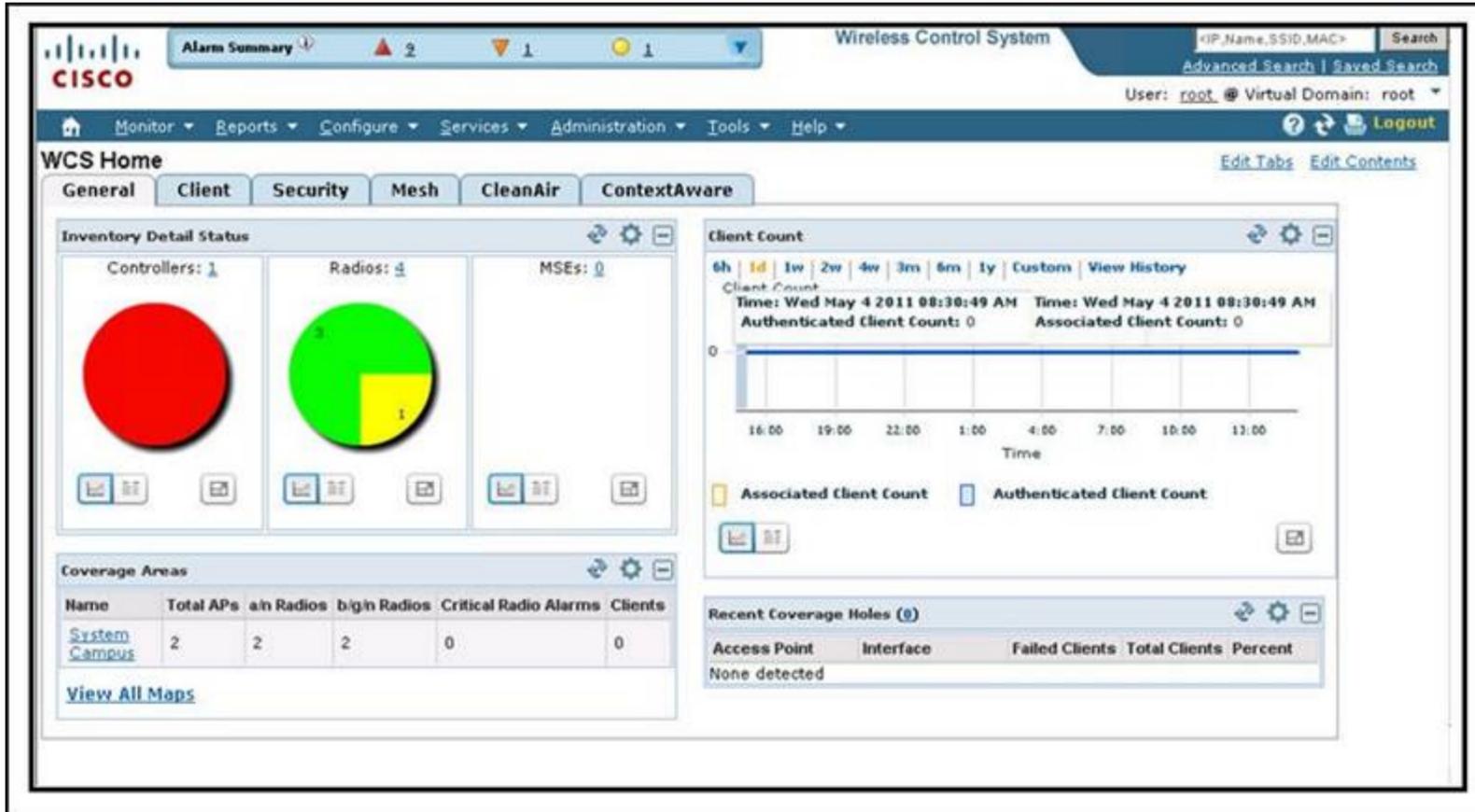
Which two menus do you click to determine the reachability status of a controller from Cisco WCS? (Choose two.)

A. Monitor
B. Reports
C. Configure
D. Services
E. Administration
F. Tools

Answer: AC

NEW QUESTION 549
A network engineer is troubleshooting a LAP that is unable to join the controller and receives the message below:
LWAPP_CLIENT_ERROR_DEBUG. No more AP manager IP addresses remain
What does the log indicate?

A. Two or more LAPs have the same IP address.
B. An AP manager has the same IP address as another AP manager.
C. A LAP has the same IP address as the AP manager.
D. Two or more controllers have the same IP address.

Answer: C

NEW QUESTION 550
Which Cisco program for WLAN client vendors helps to ensure that their devices are interoperable with Cisco WLAN infrastructure?

A. CCX
B. CCMP
C. ASDM
D. WLSE

Answer: A

NEW QUESTION 553
Which three options relate to event-driven RRM? (Choose three.)

A. any 802.11n AP models
B. specific AP models
C. minimum of AP and WLC
D. minimum of AP, WLC, and WCS
E. minimum of AP, WLC, WCS, and MSE
F. configurable in WLC at 802.11b/g/n > RRM > TPC
G. configurable in WLC at 802.11b/g/n > RRM > DCA

Answer: BCG

NEW QUESTION 554

Which Cisco AnyConnect module provides wireless connectivity?

A. telemetry
B. web security
C. VPN
D. NAM
E. DART
F. posture
G. CSSC

Answer: D

NEW QUESTION 557
Refer to the exhibit.
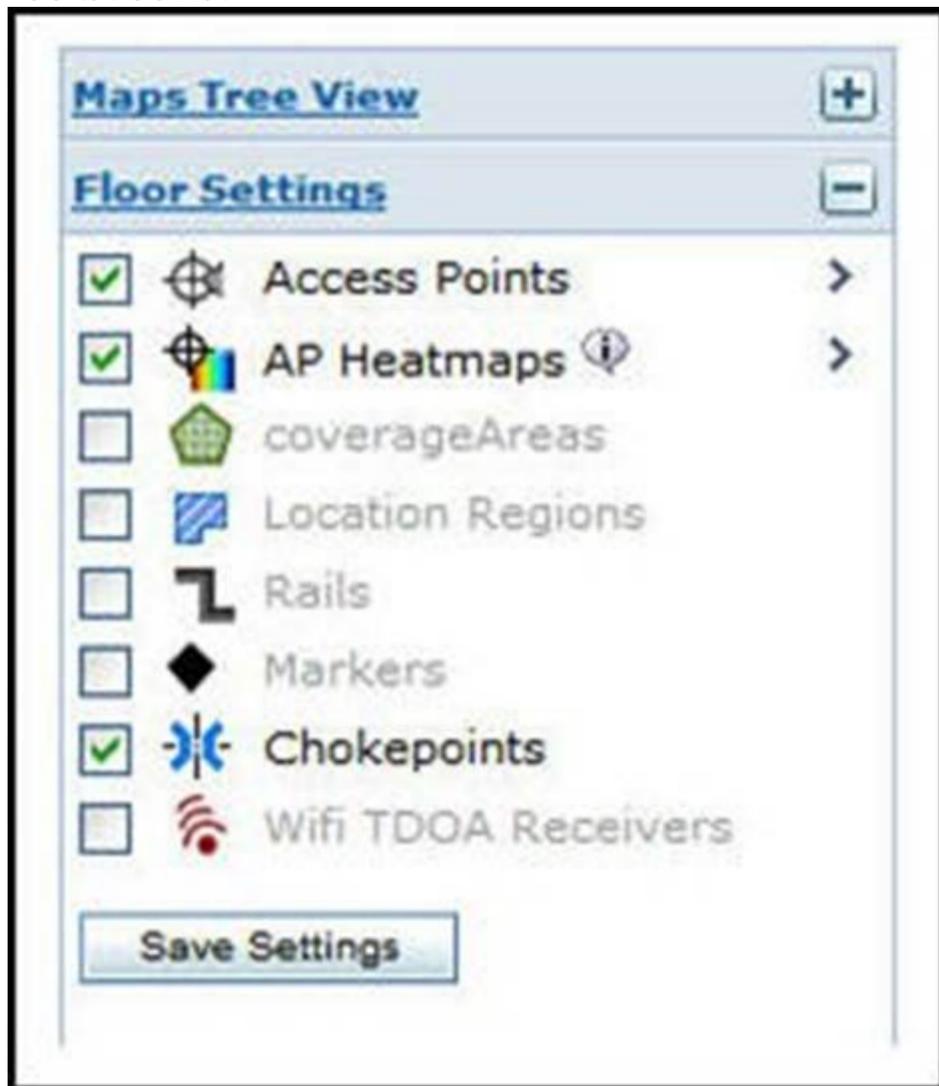
A wireless network that consists of Cisco Aironet 1260 APs and Cisco 2100 Series WLC has been correctly configured with Cisco WCS version 7, which is also used for management. The CleanAir Zone of Impact is not visible for the respective Cisco WCS maps.
Which two issues are causing the problem? (Choose two.)

A. software version
B. AP
C. Cisco WLC
D. Cisco MSE
E. Cisco WCS
F. Cisco WCS is not enabled.

Answer: BD

NEW QUESTION 558
Refer to the exhibit.
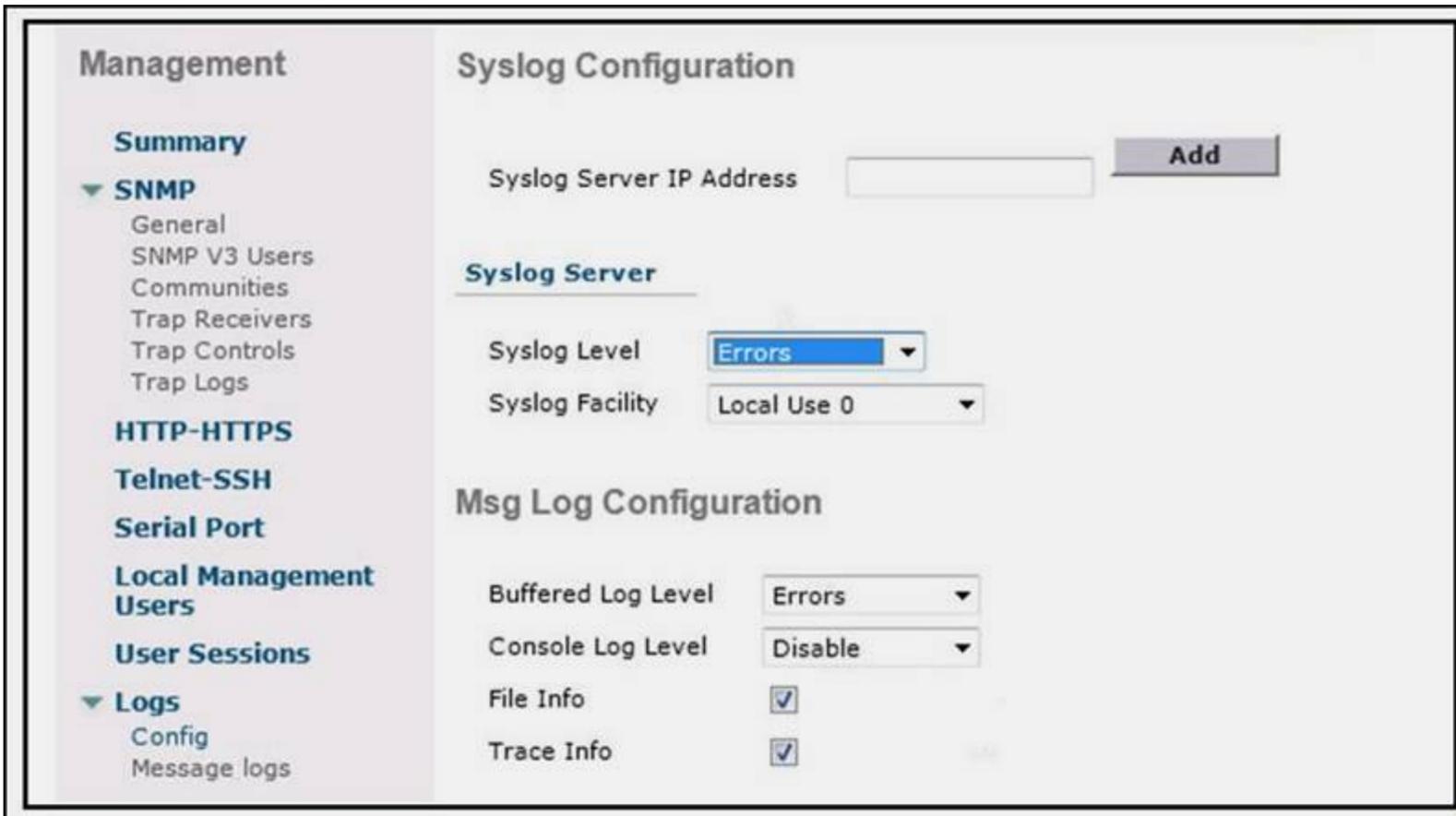
With the current Cisco WLC version 7.0 syslog level settings set the way they are, which log levels are captured by the Syslog server?

A. syslog level errors only
B. all syslog levels
C. only the syslog severity level number of error and greater
D. only the syslog severity level number of error and less

Answer: D

NEW QUESTION 561

Answer:

Explanation:

Drag from the left the characteristics that are associated with the specific controller-based AP deployment mode and drop them in the appropriate category on the right.

NEW QUESTION 565
Which Cisco WCS tool allows you to view current reports, open specific types of reports, create and save new reports, and manage scheduled runs?

A. Reports menu
B. Reports launch page
C. Scheduled Run results
D. saved reports

Answer: B

NEW QUESTION 569
An engineer is gathering information for a wireless survey of a hospital. What two pieces of information must be collected for an active survey to access the outcome best suited for the facility? (Choose two.)

A. type of devices present on the new wireless network
B. utilization of Location Services or voice applications
C. existing Network Switch types and model numbers
D. use of wireless for secure records
E. spectrum analysis to locate all the computer work stations

Answer: AB

NEW QUESTION 571
An engineer removed an antenna that was providing 3 dB of gain and replaced it with one that provides 16 dB of gain. How has the power level changed?

A. 20 times stronger
B. 16 times stronger
C. 20 times weaker
D. 16 times weaker

Answer: A

NEW QUESTION 574
A customer needs wireless access points on a different VLAN from the controller to join via broadcast. Which two commands are required on the Layer 3 switch? (Choose two.)

A. ip forward-protocol tcp 5246
B. ip helper-address <WLC-Multicast-Address>
C. ip helper-address <WLC-Virtual-Address>
D. ip forward-protocol udp 5246
E. ip helper-address <WLC-Management-Address>

Answer: DE

NEW QUESTION 576
An engineer is gathering information for a wireless survey of a hospital. What three pieces of information must be collected for an active survey to assess the outcome best suited for the facility? (Choose three.)

A. presence of microwave ovens
B. number of patients that are at the facility
C. utilization of Location Services or voice applications
D. floor plans of adjacent facilities

E. use of wireless for secure records
F. spectrum analysis to locate all the computer work stations
G. existing Network Switch types and model numbers
H. type of devices present on the new wireless network

Answer: ACH

NEW QUESTION 577
When reading a radiation pattern for an antenna, at which two drops in signal and power is the beamwidth measured? (Choose two.)

A. 3 dB
B. 6 dB
C. 9 dB
D. 10 dB
E. 1/2 power
F. 1/4 power
G. 1/8 power
H. 1/10 power

Answer: AE

NEW QUESTION 578
A customer wants to analyze the data rates that are available to a corporate laptop in its wireless deployment. The customer wants a heat map that displays actual data and shows the data rates that are available to the client in different areas of its facility. When using AirMagnet Survey PRO, which type of survey provides the actual data rates?

A. virtual
B. predictive
C. passive
D. active

Answer: D

NEW QUESTION 583
Which two elements are needed to create a secure SSID on an autonomous AP? (Choose two.)

A. SSID name
B. WLC MAC address
C. PSK
D. LDAP server
E. WLC IP

Answer: AC

NEW QUESTION 588
Drag the propagation behavior on the left to the corresponding environment on the right.

Drag the propagation behavior on the left to the corresponding environment on the right.

Absorption		Distant Point to Point Line of Sight
Diffraction		Distant Point to Point with Obstacles
Scattering		Metal Cabinets in Dense Office
Reflection		Pass Through a Wooden Wall
Free Space Path Loss		Pass Through Rain
Multipath		Point to Point Over Body of Water

Answer:

Explanation:

Drag the propagation behavior on the left to the corresponding environment on the right.

Absorption	Free Space Path Loss
Diffraction	Diffraction
Scattering	Multipath
Reflection	Absorption
Free Space Path Loss	Scattering
Multipath	Reflection

NEW QUESTION 591
What encryption standards describe WPA and WPA2?

A. WPA mandates AES with TKIP optional, WPA2 mandates TKIP
B. WPA mandates TKIP with AES optional, WPA2 mandates AES
C. WPA mandates CKIP, WPA2 mandates AES
D. WPA mandates CKIP with AES optimal, WPA2 mandates AES

Answer: B

NEW QUESTION 594
A customer mounted three new APs in a small business. After configuring the IP address, users still could not access the web through the new access points.
What two configurations are needed to fix this? (Choose two.)

A. Security parameters
B. Gateway address
C. Service Set ID
D. Antenna option
E. EAP Authentication
F. Unique AP Name

Answer: BC

NEW QUESTION 596
What is the European Standard equivalent of the FCC?

A. IEEE
B. ISM
C. ETSI
D. ITU

Answer: C

NEW QUESTION 597
An engineer recently removed a WLC from a WCS, but the APs associated to the WLC are still showing on the WCS. What is a reason for this?

A. The associated APs must be removed manually.
B. The APs must be removed from the WCS map.
C. The hold-down timer must expire before the APs will be removed.
D. The APs must be audited.

Answer: A

NEW QUESTION 602
Which two options are requirements of real-time applications? (Choose two.)

A. voice
B. high packet loss
C. web browsing
D. low jitter
E. low latency

Answer: DE

NEW QUESTION 605
Which option is the maximum power setting for an access point in any regulatory domain on a Cisco Wireless LAN Controller?

A. 5
B. 8
C. 1
D. 10

Answer: C

NEW QUESTION 610
What is the channel width of an 802.11b wireless channel?

A. 10 MHz
B. 20 MHz
C. 5 MHz
D. 22 MHz

Answer: D

NEW QUESTION 615
An engineer has been asked to disable all OFDM rates in the wireless environment. What three rates should be disabled to fulfill this requirement? (Choose three.)

A. 2
B. 5.5
C. 6
D. 9
E. 11
F. 12
G. 18

Answer: ABE

NEW QUESTION 616
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

Answer: A

NEW QUESTION 618
What AnyConnect module can be used to provide a detailed scan list of the Wi-Fi environment?

A. DART
B. Telemetry
C. Web Security
D. NAM
E. Posture

Answer: A

NEW QUESTION 621
A company wants to implement wireless in all 20 remote office locations and wants centralized management of these remote sites. What application would meet the requirements?

A. Control And Provisioning of Wireless Access Points
B. Cisco point- to multi-point wireless bridging
C. Cisco autonomous access points in FlexConnect mode
D. Split MAC architecture utilizing LWAPP and WLC

Answer: D

NEW QUESTION 625
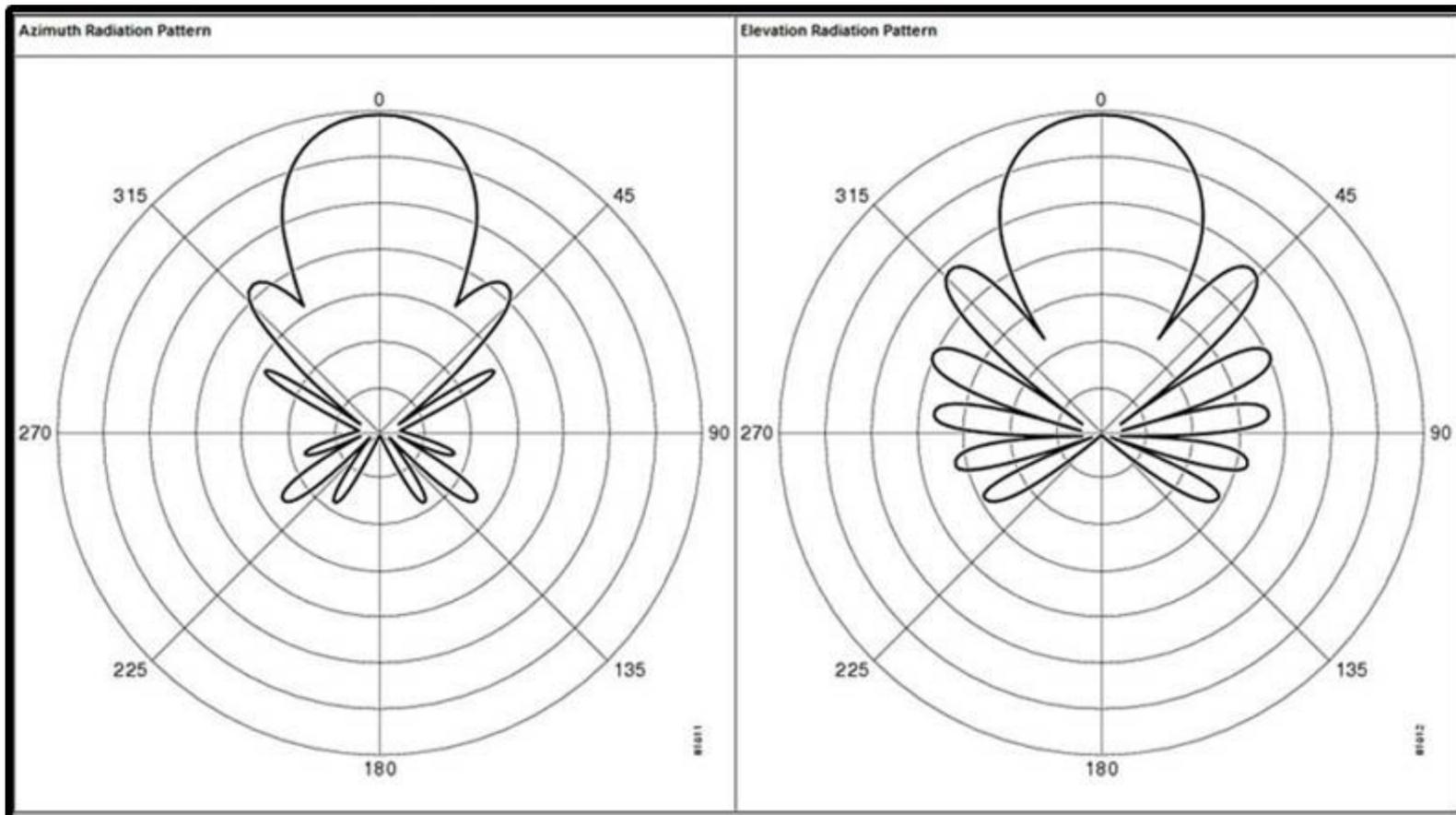
Refer to the exhibit. A wireless engineer has an antenna with the radiation pattern shown in the exhibit. What type of antenna is it?

A. Patch
B. Yagi
C. Parabolic dish
D. Dipole
E. Internal omni

Answer: B

NEW QUESTION 627
Which operating mode is valid for controllers in a converged access architecture?

A. switch peer groups
B. mobility controller
C. auto-anchor
D. foreign anchor

Answer: B

NEW QUESTION 630
An engineer is using WCS' client troubleshooting tool to investigate issues with a client device. What is the longest log capture they will be able to take?

A. 2 minutes
B. 5 minutes
C. 10 minutes
D. 30 minutes

Answer: C

NEW QUESTION 634
Which join process is performed when a Windows client initially attempts to connect to a wireless network?

A. The machine transmits probes that contain an ad hoc advertisement request for SS1D name
B. The machine transmits beacon requests that contain a null or empty SS1D name
C. The machine transmits probe requests that contain a null or empty SSID name
D. The machine transmits beacons that contain an ad hoc advertisement request for SSID name

Answer: C

NEW QUESTION 638
A customer wants to identify the amount of BSSID traffic that is propagating through its facility from neighboring networks. Which tool can be used to identify BSSID traffic in the facility?

A. Wi-Fi scanner
B. wireless attenuator
C. RF jammer
D. Cisco Identity Services Engine

Answer: A

NEW QUESTION 641
Which option describes the major capability of mobility groups?

A. allowing for seamless client roaming and WLC redundancy
B. helping to discover rogue APs
C. allowing for seamless client roaming only
D. helping to restrict clients to a specific subnet

Answer: D

NEW QUESTION 646
When calculating the link budget for a wireless point-to-point bridge, the engineer notices that one antenna has its gain marked as 2.85 dBd. With a 20-mW access point and 3-dBi loss for the cable, what is the approximate EIRP?

A. 15 dBm
B. 18 dBm
C. 22 dBm
D. 25 dBm

Answer: A

NEW QUESTION 648
Wireless clients are experiencing loss of connectivity while roaming between controllers. To fix this, what configuration should be the same on all controllers within the mobility group?

A. management interface IP address
B. IP address of the virtual interface
C. AP Manager interface IP address
D. IP address of the Service Port

Answer: B

NEW QUESTION 652
What three configuration options can be executed by navigating to the WCS Administration > AAA menu?
(Choose three.)

A. Add a Lobby Ambassador guest
B. Add a LDAP server
C. Add an administrative user
D. Add a MAC address list filter
E. Add a RADIUS server
F. Add a TACAS+ server

Answer: CEF

NEW QUESTION 655
What two AP configurations will show RF prediction on maps in WCS? (Choose two.)

A. Lightweight APs with internal antennas
B. Lightweight APs with external Cisco antennas
C. Lightweight APs with external 3rd Party antennas
D. Autonomous APs with internal antennas
E. Autonomous APs with external Cisco antennas
F. Autonomous APs with external 3rd Party antennas

Answer: AB

NEW QUESTION 659
Which architecture is used to divide the roles between the access point and the WLC when deploying a centralized wireless solution?

A. Split MAC
B. CAPWAP
C. LWAPP
D. Local MAC

Answer: A

NEW QUESTION 663
Which three criteria are used when choosing the type of external antenna to connect to an indoor AP? (Choose three.)

A. potential interferers
B. AP radio frequency
C. PoE draw
D. signal coverage area
E. antenna manufacturer
F. number of SSIDs

Answer: ABD

NEW QUESTION 665
An engineer is troubleshooting why wireless clients have not been able to connect to the network. Where would an engineer verify the total number of excluded clients in the last day?

A. Security > Miscellaneous
B. Security > Rogues
C. Alarms
D. Events
E. Clients > Troubleshoot
F. Access Points

Answer: A

NEW QUESTION 666
On witch tab ofthe WLC web interface can the administrator change the AP power level?

A. WLAN
B. Management
C. Controller
D. Wireless

Answer: D

NEW QUESTION 669
Refer to the exhibit.
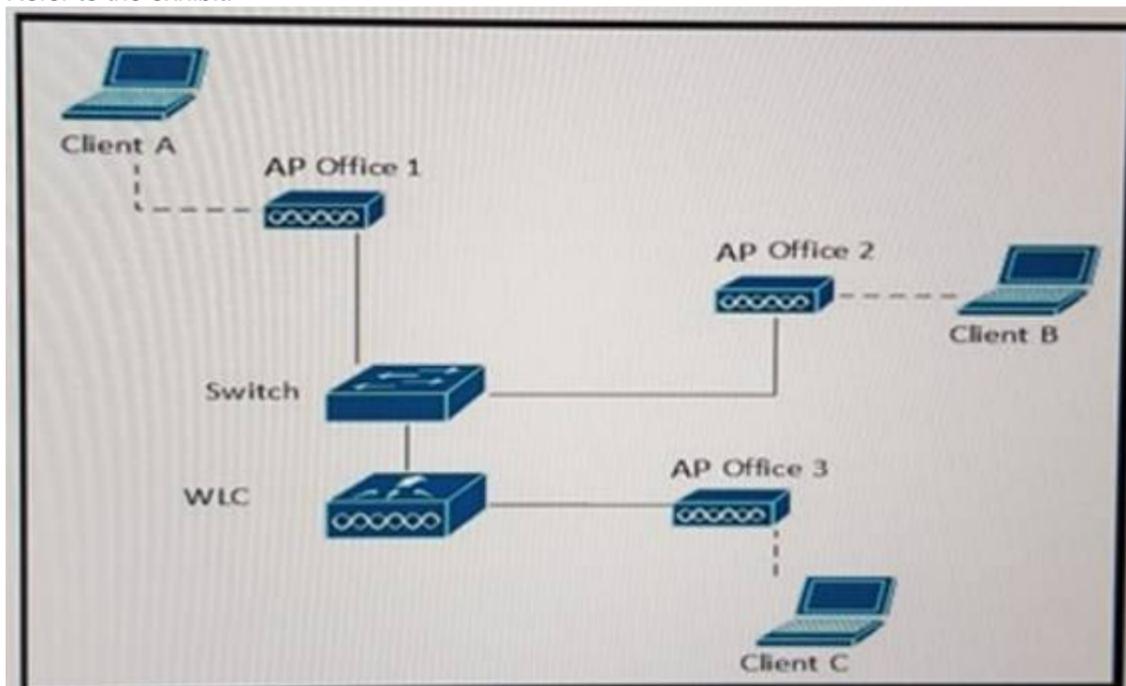
A Company added a Cisco Wireless LAN Controller to the network and converted all Aps to lightweight Aps. What is the hop order of the data packets when travelling from Client A to Client B, if the Aps are in local mode?

A. AP Office 1, Switch, WLC, Switch, AP Office 2
B. AP Office 1, WLC, AP Office 2
C. AP Office 1, WLC, Switch, AP Office 2
D. AP Office 1, Switch, WLC, AP Office 2

Answer: B

NEW QUESTION 673
What WCS report displays hardware type, software distribution, and CDP information?

A. Device > AP Profile Status
B. Device > AP Summary
C. Network Summary > Executive Summary
D. Device > Inventory
E. Network Summary > 802.11n Summary

Answer: D

NEW QUESTION 674
During which type of survey does the surveyor interact with the infrastructure?

A. planning
B. active
C. passive
D. predictive

Answer: B

NEW QUESTION 678
Which three primary components describe TKIP? (Choose three.)

A. broadcast key rotation
B. per-packet key hashing
C. dynamic WEP
D. message integrity check
E. symmetric key cipher
F. WPA2 enterprise mode

Answer: ABD

NEW QUESTION 681
An engineer has been noticing the power settings on several of the office APs change from day to day ever since two more APs were installed. After logging into the WLC, the engineer verifies that the power levels on 4 of the 802.11n radios are fluctuating up and down. What is the reason for this?

A. The controller has the APs in H-REAP mode and are on a Layer 2 connection instead of Layer 3.
B. The RRM has revealed a bad survey and is attempting to power down some of the radios to make up for it.
C. The WLC has created temporary coverage holes while stepping through power levels for some of the APs.
D. Several APs have high levels of overlapping coverage in the same area and the WLC is using RRM to correct the cell sizes AP coverage.

Answer: D

NEW QUESTION 682
The Cisco WLC administrator needs the guest client traffic to be sent via a tunnel to a specified controller in the DMZ, no matter which AP the guest user is connected to. What must be configured for a WLAN to achieve this requirement?

A. asymmetric tunneling
B. static mobility anchor
C. symmetric tunneling
D. FlexConnect

Answer: B

NEW QUESTION 687
Which signal strength reading indicates that the engineer is closest to the access point?

A. -43 dBm
B. -67 dBm
C. -87 dBm
D. -100 dBm

Answer: A

NEW QUESTION 690
From which type of diagnostic equipment must you request screenshots and recordings of possible sources of interference when you have a survey vendor perform a site survey?

A. data link circuit identifier
B. access point
C. virtual path virtual circuit
D. spectrum analysis software

Answer: D

NEW QUESTION 694
Which two statements are characteristics of 2 4 GHz frequency band in a wiretess environment? (Choose two.)

A. 14 available channels.
B. FCC allows channels 1 through 11.
C. FCC allow channels 1 through 14.
D. FCC allow channels 1 through 15.
E. 11 available channels.

Answer: AB

NEW QUESTION 699

Mobility Anchors

WLAN SSID	Cisco		
Switch IP Address (Anchor)		**Data Path**	**Control Path**

Mobility Anchor Create

Switch IP Address (Anchor) ✓ local

Refer to the exhibit. An engineer wants to setup a mobility anchor for the Guest WLAN, but does not see the Anchor IP address listed in the drop-down. What is the most likely cause of this problem?

A. The mobility anchor is currently unreachable.
B. The mobility anchor must also be included in the mobility group of the WLC.
C. Layer 3 Security must be configured for Web Policy Authentication.
D. The mobility anchor is attached to another WLAN.
E. Layer 3 Security must be configured for Web Policy Passthrough.

Answer: B

NEW QUESTION 701
When using OFDM, how many subcarriers are devoted to carrying data?

A. 4
B. 12
C. 44
D. 48
E. 52

Answer: D

NEW QUESTION 703
An engineer is adding a controller to a WCS. What three categories of parameters are needed? (Choose three.)

A. IP parameters
B. SNMP Parameters
C. Mobility Parameters
D. Telnet/SSH Parameters
E. TFTP Parameters
F. RADIUS Parameters

Answer: ABD

NEW QUESTION 707
Which is recommended minimum SNR for a data cell with a data rate of 54 Mb/s?

A. 10
B. 25
C. 4
D. 6

Answer: B

NEW QUESTION 710
What are three functions of RRM? (Choose three.)

A. dynamic channel assignment
B. detection and avoidance of interference
C. dynamic antenna polarization
D. dynamic transmit power control
E. dynamic controller selection
F. detection and avoidance of AP client load

Answer: ABD

NEW QUESTION 711
An engineer is deploying an autonomous AP, and the customer requests that all IEEE 802.11b data rates be disabled on the AP. Which interface must be amended to disable the 802.11b data rates on a Cisco Aironet 1252 Series Access Point?

A. Dot11radio0
B. Dot11radio1
C. GigabitEthernet0
D. BVI1

Answer: A

NEW QUESTION 713
Following a WLC upgrade you want to check what version of code the access point is running. Where can you find this information?

A. CLI > show sysinfo
B. GUI > Monitor > Software Version
C. CLI > show running configuration
D. GUI > Wireless > Access point > General

Answer: C

NEW QUESTION 718
An engineer is connecting a Cisco 5508 Wireless Controller that must connect to an out-of-band management network for management only. Which two options should be used for the port on the WLC and the cable type? (Choose two.)

A. service port
B. redundancy port
C. console port
D. distribution system port
E. straight through cable
F. crossover cable
G. console cable

Answer: AE

NEW QUESTION 719
When using DHCP option 43, the discovery option supports vendor specific identifiers in order to obtain what IP address?

A. core router's gateway
B. closest distribution switch
C. local WLAN controller
D. local Radius Server

Answer: C

NEW QUESTION 720
Which command is used to upgrade the operational code when upgrading a Cisco IOS-XE WLC?

A. software install source switch
B. software install file path:code.bin
C. software tftp://code.bin flash:/code.bin
D. software expand running

Answer: B

NEW QUESTION 724
Refer to the exhibit.
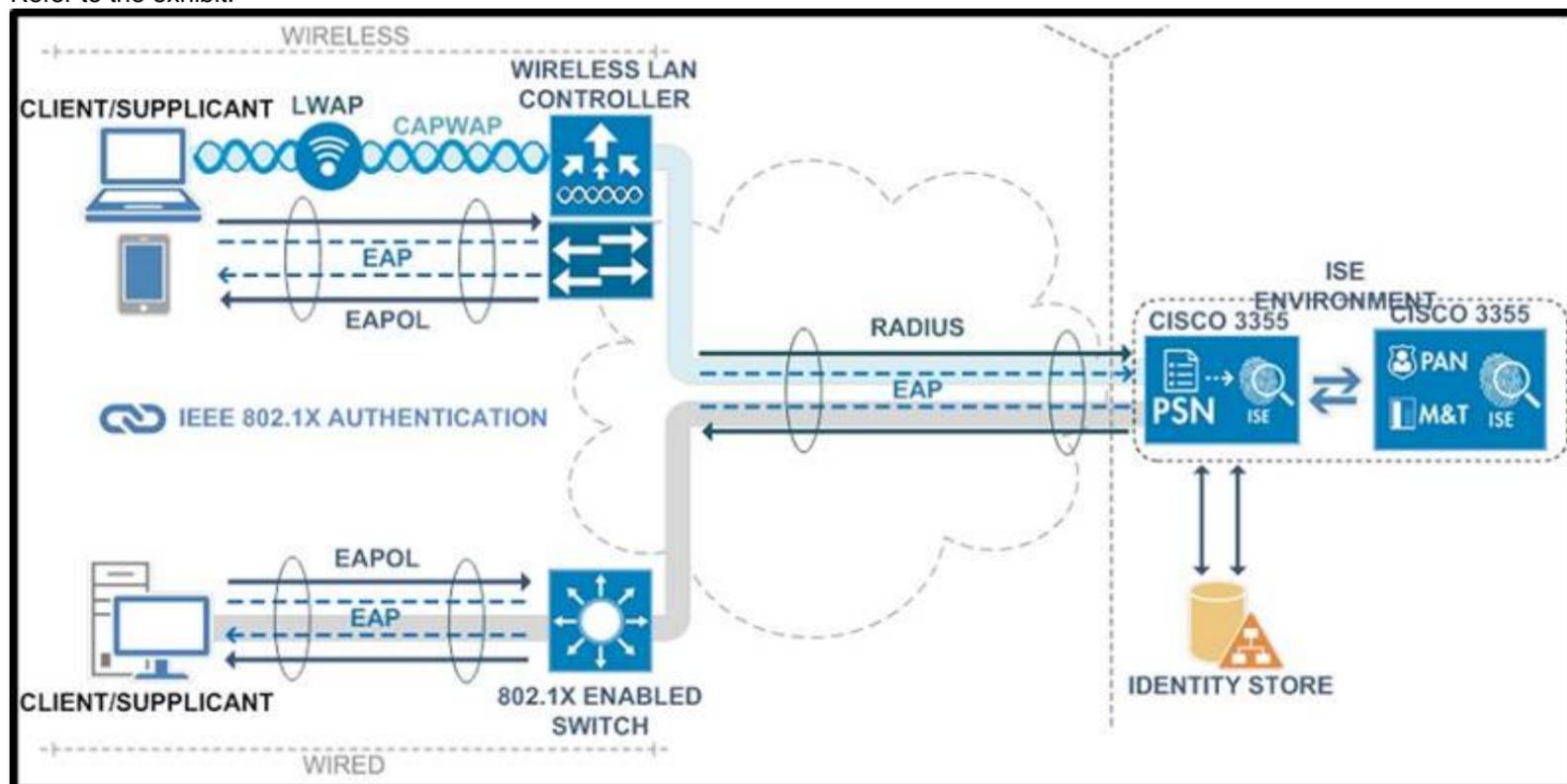
A customer has enabled the primary DNS server to return the correct controller IP address in response to a CISCO-CAPWAP-CONTROLLER.localdomain request coming from new access points associating to the wireless network. The access points seem to still be receiving the wrong IP address and cannot associate to the primary controller.
Why are the access points receiving the wrong IP information?

A. The DHCP option 43 has an incorrect controller IP address configured.
B. The DNS server must be configured to respond to CISCO-LWAPP-CONTROLLER.localdomain request.

C. The controller and wireless action point need to be Layer 2 adjacent.
D. The controller must be configured for DHCP option 15 request.

Answer: A

NEW QUESTION 725
Refer to the exhibit.
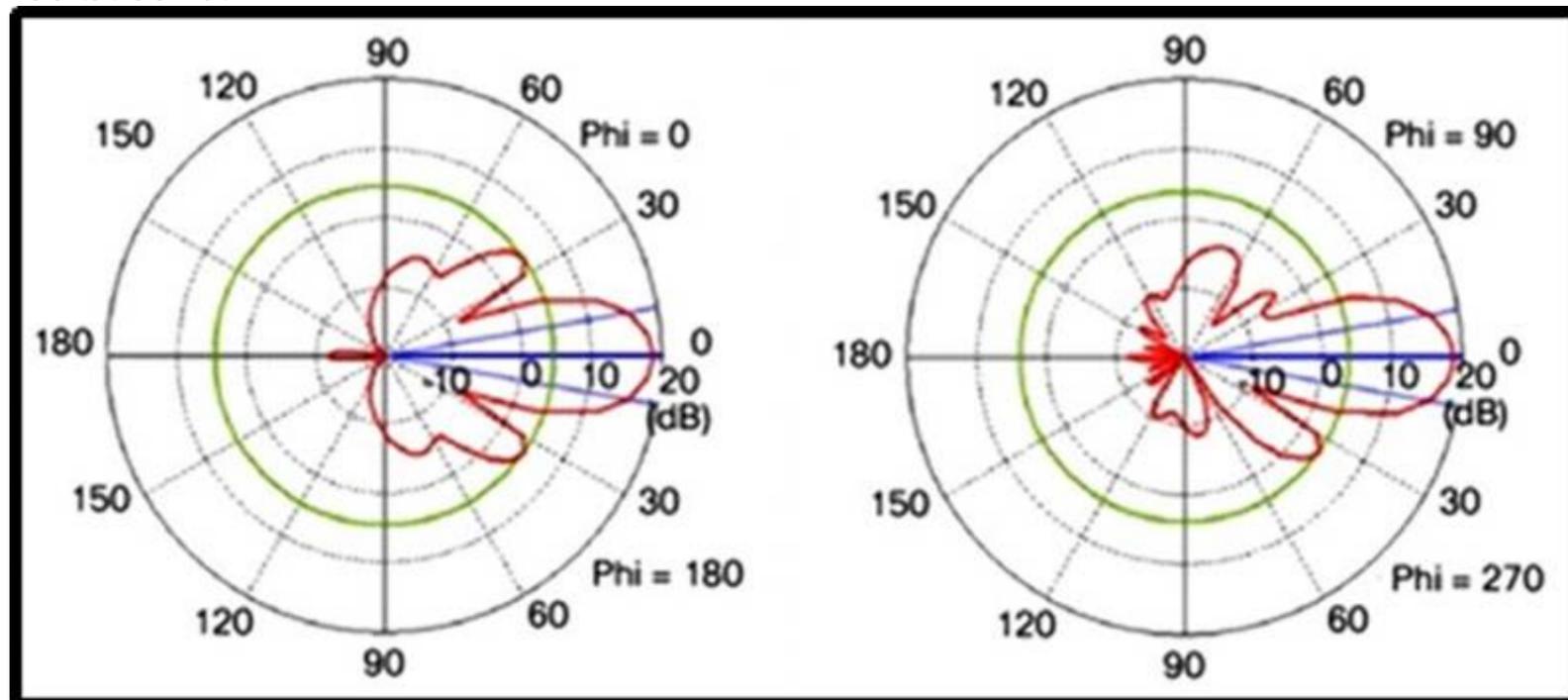
Which antenna would produce the given radiation pattern?

A. patch
B. Yagi
C. parabolic dish
D. dipole
E. omni-directional

Answer: A

NEW QUESTION 730
A network engineer is upgrading the WLC image through the GUI for maintenance. What three transfer methods are available? (Choose three.)

A. FTP
B. SNMP
C. TFTP
D. SFTP
E. HTTP
F. SMB
G. HTTPS
H. SCP

Answer: ACD

NEW QUESTION 732
Which three parameters must be configured for local EAP-FAST on the controller? (Choose three.)

A. PAC
B. client key
C. NTP source
D. TTL for PAC
E. server key
F. authority ID and information

Answer: DEF

NEW QUESTION 736
Which tool can be used for active and passive site surveys?

A. Fluke Networks AirMagnet Planner
B. Ekahau Site Survey
C. Fluke Networks AirMagnet Survey Pro
D. Cisco Predictive RF Planner

Answer: C

NEW QUESTION 740
A customer is using the wireless controller GUI to back up the Cisco 5508 Wireless Controller configuration data. The controller is running IOS version 7.6 release. Which three transfer protocols are valid for conducting this transfer from the WLC? (Choose three.)

A. FTP
B. TFTP
C. SFTP
D. HTTP
E. SCP
F. Xmodem

Answer: ABC

NEW QUESTION 744
A customer who recently implemented Mac OS X Yosemite finds that the laptops have been autonegotiating the authentication protocols when performing RADIUS authentication to Cisco Identity Services Engine. What must the administrator do to statically set the correct settings for the Mac clients?

A. Create a new network profile with the desired settings, using either the Apple iPhone Configuration Utility or Profile Manager and upload to all Mac OS X machines.
B. Set the authentication configuration to use the desired settings under the System Preferences > Network> Advanced menu.
C. Delete the SSID and have the users go through the authentication process again, this time selecting the settings during authentication.
D. Select the SSID and change the settings to the desired configuration under Control Panel > Network > Wireless Networks and export to other machines.

Answer: A

NEW QUESTION 746
End-to-end encryption is a management requirement for a wireless deployment. When importing the WLCs into Cisco Prime infrastructure 2.0, Which two options represent the version of SNMP and remote access parameter that fulfill this requirement? (Choose two)

A. HTTPS
B. SNMPv3
C. SNMPv2c
D. SNMPv1
E. SSH

Answer: AD

NEW QUESTION 747
In version 8.0 code for CUWN, what interface can be assigned an IPv6 address?

A. management
B. dynamic
C. AP-manager
D. virtual
E. service-port

Answer: A

NEW QUESTION 750
A client is deploying lightweight APs. Those with LAN connections to the controller would be considered what mode of deployment, while access points deployed across a higher latency connection are deployed in what mode?

A. HREAP; Bridge
B. Local; Bridge
C. HREAP; Flex Connect
D. Local; Flex Connect

Answer: D

NEW QUESTION 751
An autonomous AP maps the SSID to what on the wired network?

A. BSSID
B. VLAN
C. QoS tag
D. SG tag

Answer: B

NEW QUESTION 755
Refer to the exhibit.
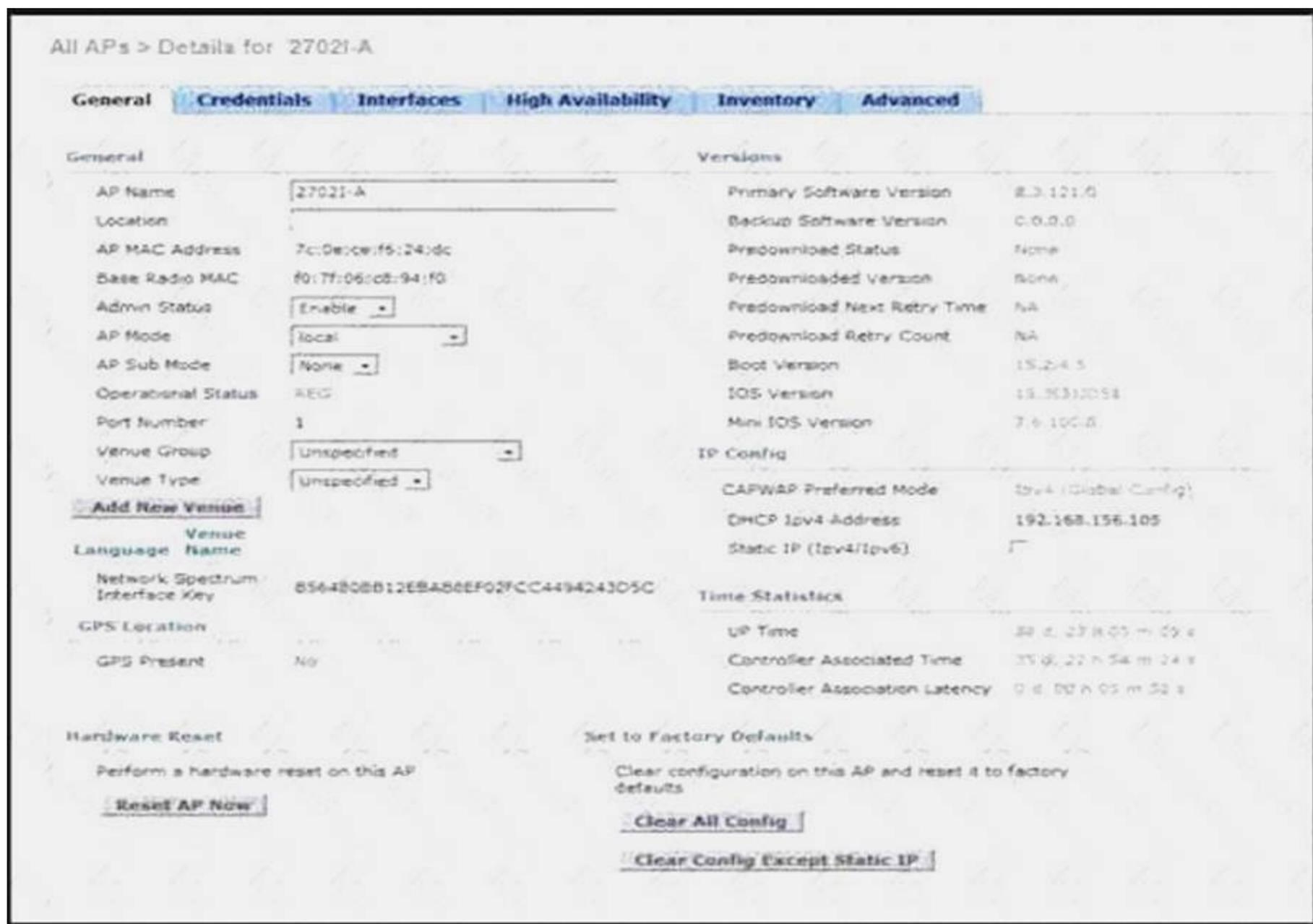
When the Admin Status of an access point is enabled, what does this mean in radios?

A. 802 11a/n/acisDOW
B. but the 802 11 b/g/n radio is UP by default.
C. 802.11a'rVac is U
D. but the 802 11 b/g/n radio is DOWN by default.
E. 802 11a'n/ac and 802_ 11 b/g/n radios can be UP or DOWN.
F. 802_11a/n/ac and 802 11 b/g/n radios must be UP.

Answer: A

NEW QUESTION 760
Which three access point modes service clients? (Choose three.)

A. FlexConnect
B. bridge
C. sniffer
D. local
E. monitor
F. SE-Connect

Answer: ABD

NEW QUESTION 764
When configuring a WLC to support multiple WLANs, which type of interface must be created?

A. dynamic
B. ap-manager
C. virtual
D. management

Answer: A

NEW QUESTION 769
A remote site has requested that its wireless client traffic egress at the switch port of the access point. Which access point mode can be used?

A. FlexConnect
B. local
C. monitor
D. rogue detector

E. SE-Connect

Answer: A

NEW QUESTION 771
How many channels exist in the 2.4-GHz ISM band frequency space?

A. 14
B. 16
C. 20
D. 24

Answer: A

NEW QUESTION 775
What is the optimum 2.4 GHz wireless cell-overlap percentage for VoWLAN deployments?

A. 10
B. 20
C. 15
D. 5

Answer: B

NEW QUESTION 777
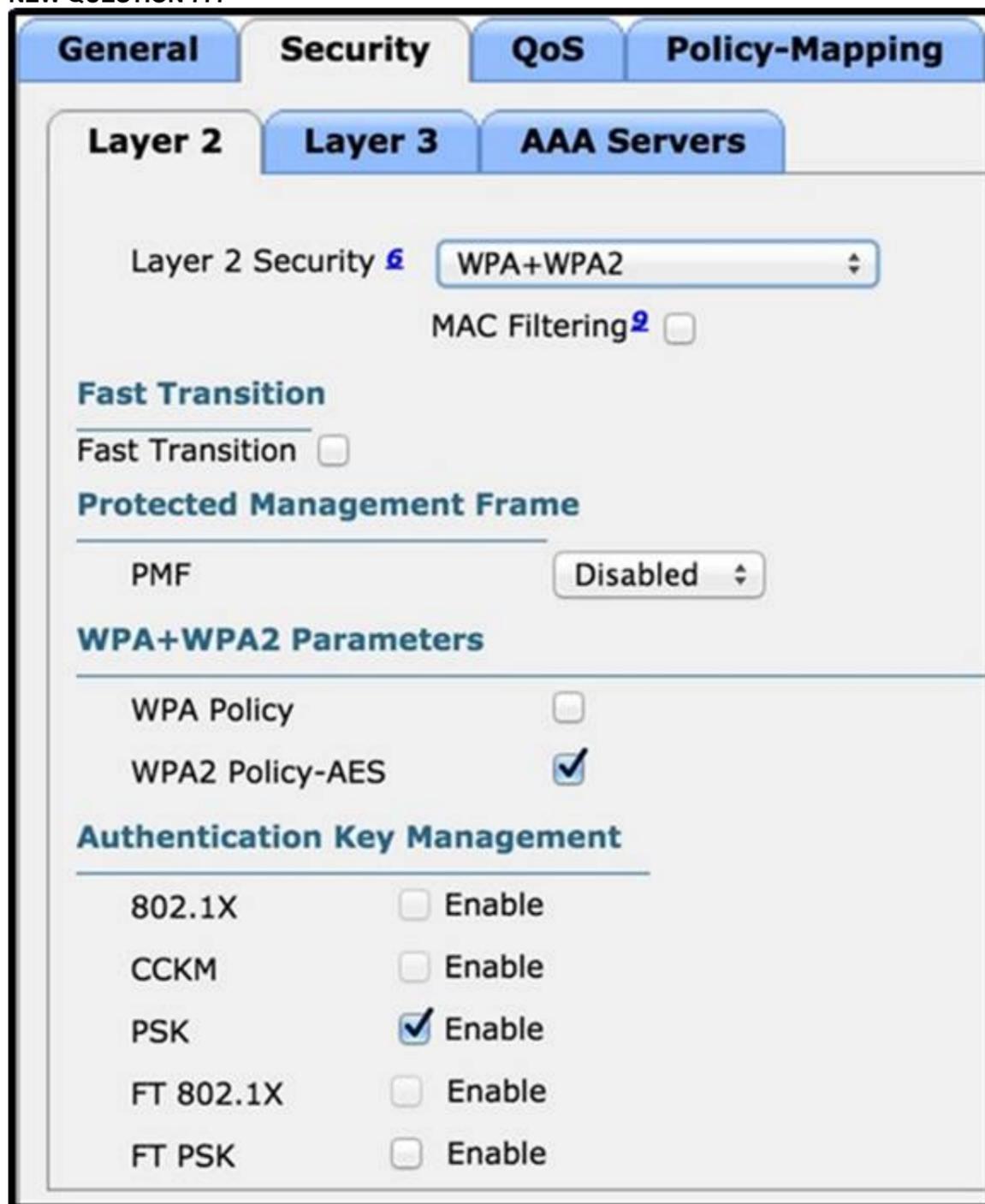
Refer to the exhibit. An engineer is testing client connectivity and is unable to transmit or receive at IEEE 802.11n high throughput rates. Which two Layer 2 security configurations allow the client to successfully
connect at 802.11n rates? (Choose two.)

A. WPA2-AES 802.1x
B. WPA2-TKIP PSK
C. WPA-TKIP 802.1x
D. Open
E. 802.1x

Answer: AD

NEW QUESTION 781
After the initial deployment at a customer site, the master controller mode function was left enabled on the secondary controller after access points were primed and statically configured with primary, secondary, and tertiary controller failover. The guest anchor controller was also deployed in the architecture. The access points reboot after a power failure. Which controller will the access points associate to when the reboot process is completed?

A. primary controller
B. secondary controller
C. tertiary controller
D. guest anchor controller

Answer: B

NEW QUESTION 784
Refer to the exhibit.

```
version 12.4
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption
!
hostname AAP1
!
logging rate-limit console 9
enable secret 5 $1$QNUk$tp4V77olg3F/85Liw4Izg/
!
no aaa new-model
ip domain name alnetlab.local
!
!
dot11 syslog
!
dot11 ssid Guest-01
    vlan 110
    authentication open
    guest-mode
```

A customer with ID28720486 has set up an autonomous access point with a single broadcast SSID on the 2.4 GHz radio and requested that the engineer add an additional SSID to the 2.4 GHz radio. Give the output, what should be configured to implement the new SSID?

A. the new SSID on the 5-GHz radio.
B. dot11 mbssid globally and msssid mode under the SSIDs
C. guest mode on the dot11 radio interface
D. guest-mode under the new SSID

Answer: B

NEW QUESTION 788
An engineer has just deployed a Cisco Aironet 3702 Access Point with an access layer switch that supports IEEE 802.1af Power over Ethernet. How will the access points react to the wattage that is available in 802.1af?

A. disable the BVI interface
B. fail to boot in CAPWAP mode
C. operate in 3x3 MIMO mode
D. enable the 2.4-GHz radios with 40-MHz channel bonding

Answer: C

NEW QUESTION 793
A customer is reviewing Cisco Prime Infrastructure to identify malicious rogue access points that are operating within the customer environment. Which dashboard in Cisco Prime Infrastructure displays this information by default?

A. Context Aware
B. CleanAir
C. Security
D. General

Answer: C

NEW QUESTION 798
Which three statements must be true for Cisco WLC to support roaming? (Choose three.)

A. Controllers are in the same mobility group.
B. Controllers operate in different LWAPP modes.

C. ACLs are the same.
D. Virtual interface IP addresses are the same.
E. Controllers have different versions of code.
F. Controllers need to have the same hostname.

Answer: ADF

NEW QUESTION 800
A wireless client with ID28720486 is trying to connect to wireless network. What must be configured on the client side to connect to an infrastructure WLAN that broadcasts its SSID and uses WPA2 PSK?

A. PSK
B. type of EAP protocol
C. username and password
D. channel number

Answer: A

NEW QUESTION 802
A customer is concerned about ease of wireless management. Which deployment model requires the highest administrative overhead to deploy and manage?

A. autonomous
B. local mode
C. cloud
D. converged

Answer: A

NEW QUESTION 807
What three components must be the same on a controller and the RADIUS server when adding a RADIUS server to a WLC? (Choose three.)

A. Username
B. Shared Secret
C. Index Priority
D. Port Number
E. IP Address
F. Network Mask

Answer: BDE

NEW QUESTION 811
A customer is deploying the Cisco 5508 Wireless Controller in a unified wireless solution. Which command must be configured on the neighboring switch port if the management interface on the WLC is configured to send untagged traffic to ensure that management traffic utilizes VLAN 10?

A. switchport trunk native vlan 10
B. spanning-tree portfast
C. switchport trunk allowed vlan 10
D. channel-group 10

Answer: A

NEW QUESTION 814
A customer suspects that a continuous transmitter is causing instability with the wireless clients that are operating on the 2.4-GHz wireless band. The customer is trying to determine which channel is being impacted by this transmitter. Which dashboard on the WLC GUI identifies this information?

A. 802.11a/n - Air Quality Reports
B. Clean Air - Worst Air Quality Report
C. 802.11b/g/n - Interference Devices
D. Statistics - Mobility Statistics

Answer: C

NEW QUESTION 815
Which two characteristics are components of mobility anchoring? (Choose two.)

A. It is enabled as a global setting.
B. Only one mobility anchor is allowed per WLAN.
C. It is enabled on a per WLAN basis.
D. Client traffic is tunneled to predefined WLC(s).
E. It acts as master controller for a mobility group.

Answer: CD

NEW QUESTION 820
Which two WLC debug commands are appropriate to troubleshoot a wireless client that is associated to an AP? (Choose two.)

A. debug client <mac-address>
B. debug capwap
C. debug ap
D. debug dot11
E. debug dtls

Answer: AD

NEW QUESTION 822
What are three characteristics of WCS? (Choose three.)

A. based on a single server licensing system
B. used for wireless planning
C. used for real-time tracking of multiple clients
D. used for wireless management
E. used for RF fingerprinting
F. based on a per server licensing system

Answer: ABD

NEW QUESTION 827
Refer to the exhibit.

Which administrator role applies when the user logs into the Cisco Wireless LAN Controller?

A. ReadOnly
B. ReadWrite
C. LobbyAdmin
D. LocalAdmin

Answer: C

NEW QUESTION 832
On the Cisco Wireless LAN Controller GUI, what sub-menu option under the Command menu will transfer code and configuration files to the controller?

A. Download File
B. Upload File
C. Download Configuration
D. Upload Configuration

Answer: A

NEW QUESTION 833
In what WCS menu would an engineer locate the WCS software version?

A. Administration > Settings
B. Help > About Cisco WCS
C. Help > Online Help
D. Administration > License Center

Answer: B

NEW QUESTION 834
A customer wants to deploy Cisco Cloud Wireless architecture with 802.11ac capabilities. Which access points would meet the customers' requirements? (Choose two.)

A. Cisco 3700 Access Points
B. Cisco MR34 Access Points
C. Cisco MR18 Access Points
D. Cisco 3600 Access Points
E. Cisco MR72 Access Points
F. Cisco 1570 Access Points
G. Cisco MR26 Access Points

Answer: BE

NEW QUESTION 835
How many types of control frames are only used in PCF mode?

A. 1
B. 2
C. 3
D. 4
E. 5

Answer: D

NEW QUESTION 838
An engineer has been asked to upgrade the code on a WLC that is running Cisco AireOS 8.0. Which two protocols can be used to download the code file to the controller? (Choose two.)

A. SNMPv2c
B. FTP
C. SNMPv3
D. SFTP
E. HTTPS

Answer: BD

NEW QUESTION 843
Refer to the exhibit.

Which command was given in the wireless controller to display the active clients that are associated with an access point?

A. show client active all
B. show client summary
C. show 802.11 association
D. show ap clients

Answer: C

NEW QUESTION 848
Which three configuration elements must match for a client to successfully associate to a standalone AP? (Choose three.)

A. BVI subnet
B. PSK
C. AP name
D. SSID
E. encryption method
F. gateway IP

Answer: BDE

NEW QUESTION 849
Refer to the exhibit.
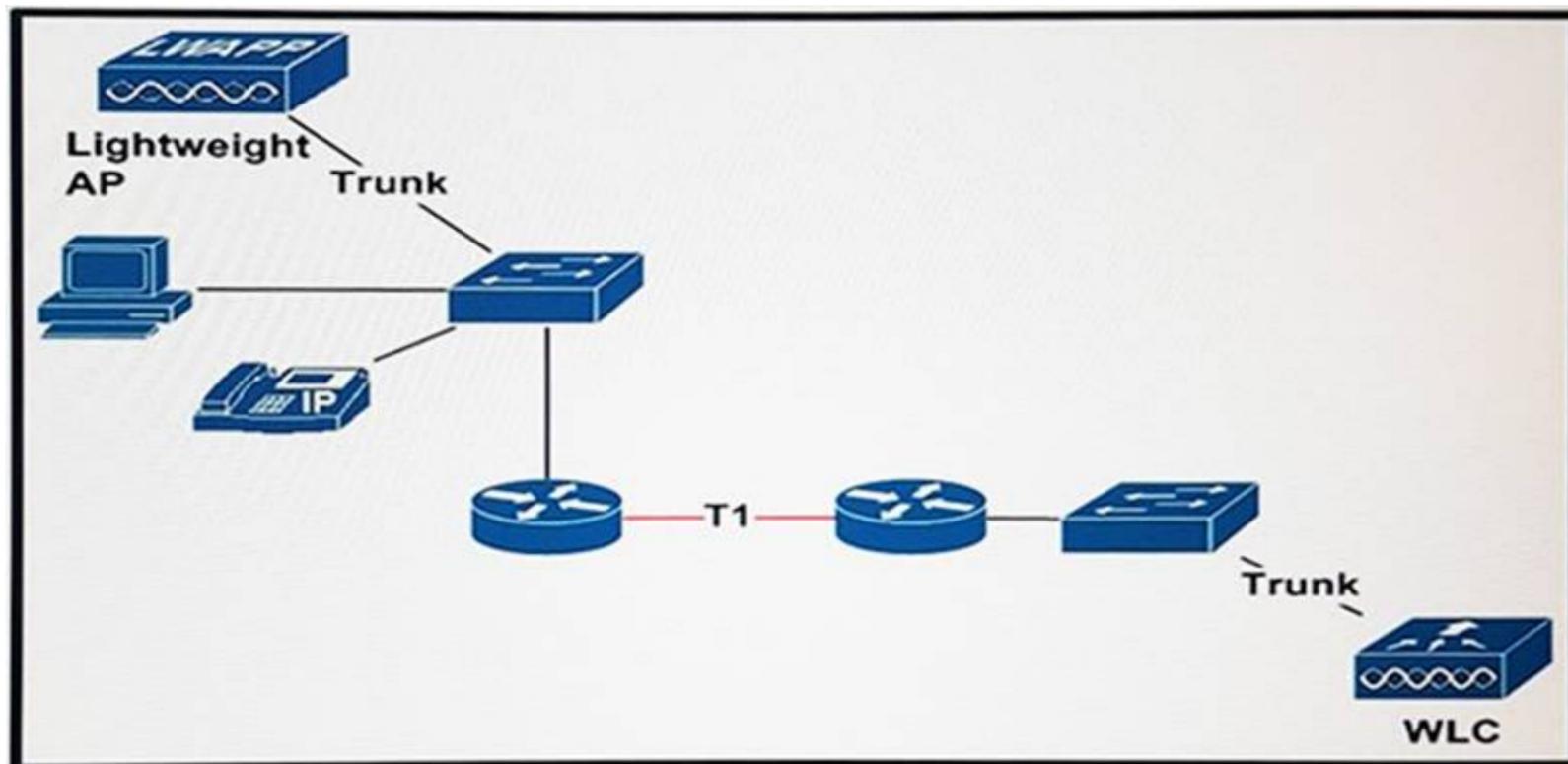
An engineer is deploying lightweight access points for wireless services over a T1 connection. Which access point mode allows the traffic to be either switched at the AP port or tunneled back to the WLC?

A. SE-Connect
B. FlexConnect
C. local
D. monitor

Answer: B

NEW QUESTION 851
What 802.1x role is responsible for moving a port to the authorized state?

A. Supplicant
B. Authenticator
C. Authentication Server
D. RADIUS Server

Answer: B

NEW QUESTION 852
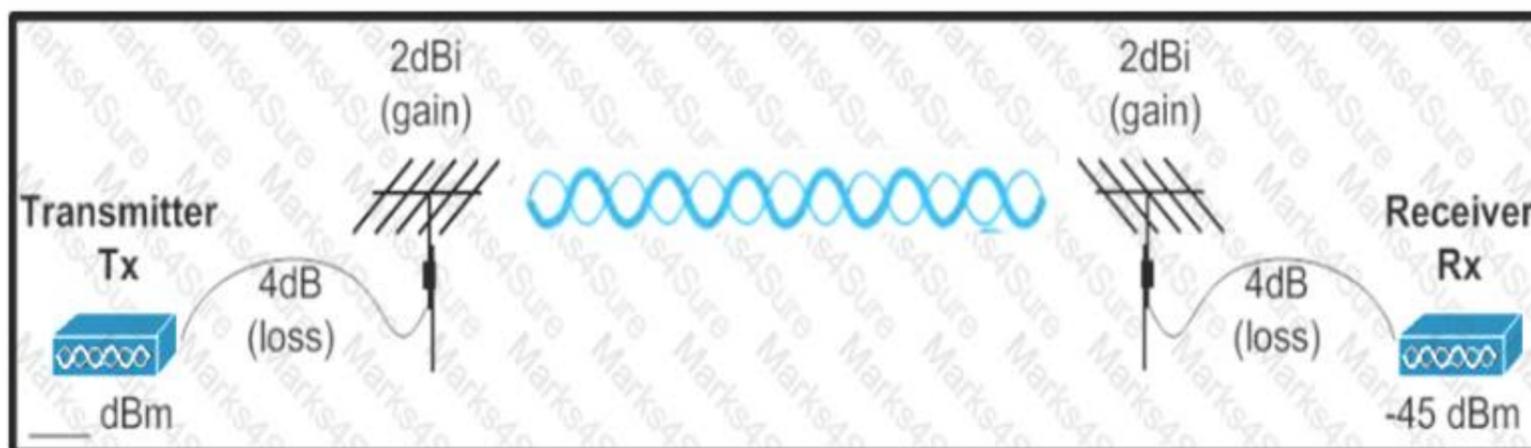
Refer to the exhibit. A network engineer needs the far end of a wireless bridge to receive at -45dBM. Based on the diagram, what value in dBm must the transmitter use to send to achieve the desired result?

A. -118
B. -28
C. -20
D. 20
E. 28
F. 118

Answer: E

NEW QUESTION 854
You must resolve an issue in which an access point is not joining a controller. Which command can help you to troubleshoot the issue?

A. debug enable ap-name from the AP
B. debug capwap events enable from the AP
C. debug enable ap-name from the controller
D. debug capwap events enable from the controller

Answer: D

NEW QUESTION 855
Which statement about a wireless client connecting to a network with a hidden SSID is true?

A. The client must install the 802.1X certificate with encrypted SSID.
B. The client will be unable to connect.
C. The SSID needs to be entered manually and is case-sensitive
D. The SSID needs to be entered manually and is not case-sensitive.

Answer: C

Explanation: Topic 4, Exam Bank D (New)

NEW QUESTION 858
A customer is using a "guest" VLAN at a remote site to provide access for onsite guests or visitors to access the Internet, while prohibiting them from accessing internal sites. Which network technology isolates guest traffic while utilizing the existing corporate network?

A. frame relay
B. vPC
C. DMVPN
D. GRE tunnel

Answer: C

NEW QUESTION 862
Which CLI command shows the controller configuration in a way that is similar to the way that it is displayed on Cisco IOS routers?

A. show config
B. show run config
C. show run-config
D. show running config
E. show running-config

Answer: E

NEW QUESTION 863
Refer to the exhibit.
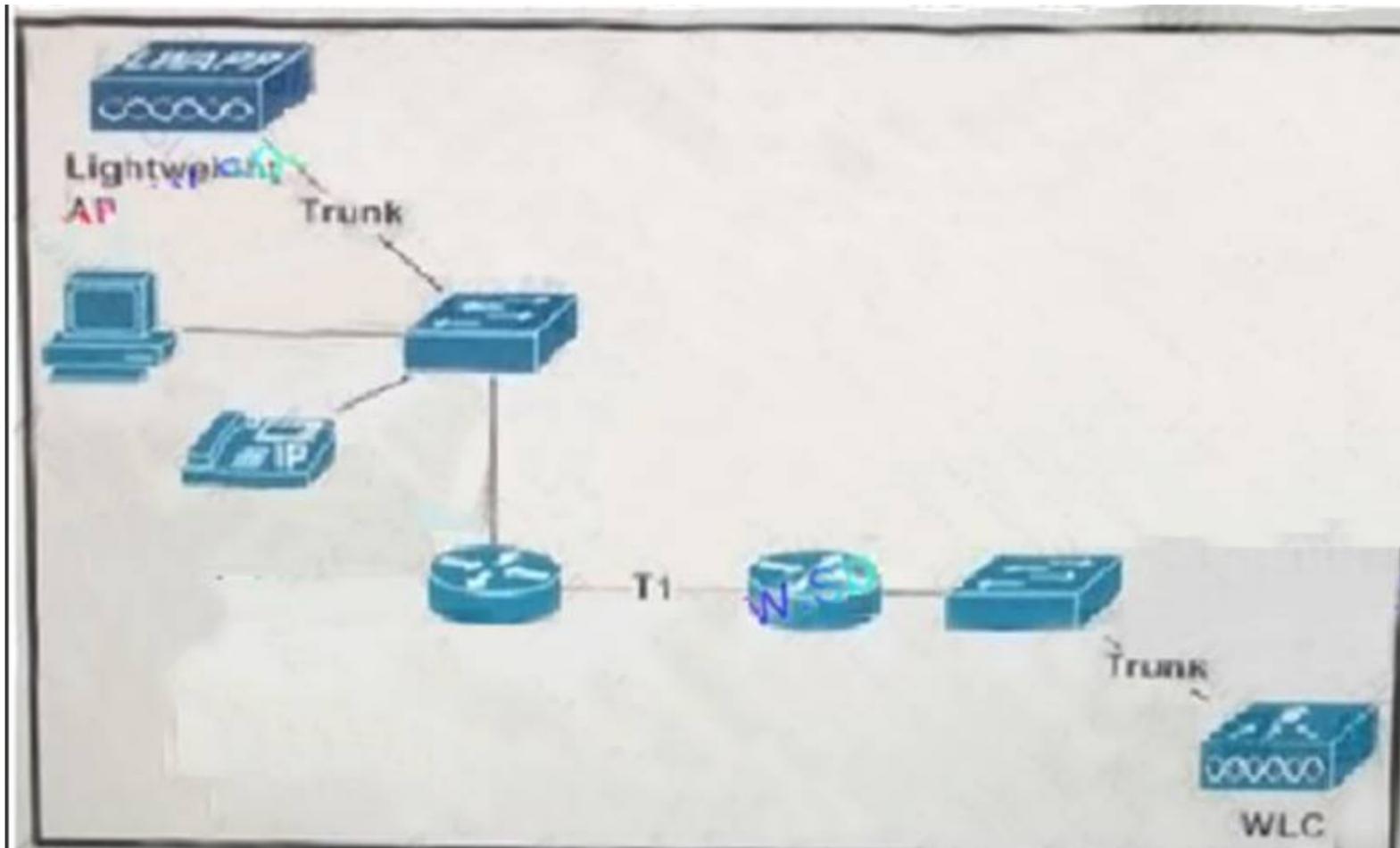
A company added a Cisco Wireless LAN Controller to the network and converted all APs to lightweight APs. What is the hop order of the data packets when traveling from Client A to Client B. if the APs are local mode?

A. Monitor
B. Local
C. FlexConnect
D. SE-Connect

Answer: C

NEW QUESTION 865
When making a wired network connection to a lightweight access point that provides wireless association to multiple SSIDs, what is the recommended Ethernet switch port configuration?

A. switchport mode dynamic auto
B. switchport mode access
C. switchport mode trunk
D. switchport mode dynamic desirable

Answer: C

NEW QUESTION 867
Which Cisco WLC appliance or module can support as many as 1500 access points?

A. Cisco 5508
B. Cisco 5520
C. Cisco 5760
D. Cisco WiSM2

Answer: B

NEW QUESTION 871
Which two commands needed to ensure that Cisco WLC can be managed only via a secure web browser, with a cipher of 128 bits or larger and without Telnet or SSH? (Choose two)

A. config network secureweb cipher-option sslv2di
B. config network ssh disable
C. config network webmode enable
D. config network secureweb enable
E. config network secureweb cipher-option high enable

Answer: DE

NEW QUESTION 873
Which statement about getting management access to a Cisco WLC from its wireless client is true?

A. The Cisco WLC does not allow wireless client management access.
B. The wireless client can be used only for downloads or uploads to or from the Cisco WLC
C. The wireless client always has management access to the Cisco WLC
D. The Cisco WLC must be configured to allow wireless client management access

Answer: D

NEW QUESTION 874
Which two organizations are regulatory domain governing bodies? (choose two)

A. ETSI
B. ICAN
C. FCC
D. IANA
E. IPS

Answer: AC

NEW QUESTION 878
Which transfer mode is available only in releases 8.1 and later when upgrading the controller software?

A. FTP
B. TFTP
C. SFTP
D. HTTP

Answer: D

NEW QUESTION 880
What regulatory body approves a Wi-Fi device before it can be sold in the US?

A. FCC O
B. ITU-R
C. IEEE
D. WiFi-Alliance

Answer: A

NEW QUESTION 885

What three authentication methods are generally used in enterprise wireless networks? (Choose three.)

A. AES
B. CCKM
C. EAP-FAST
D. EAP-TLS
E. PEAP
F. WEP

Answer: CDE

NEW QUESTION 886
Which statement applies to TKIP?

A. is part of the initial key exchange used to derive a pairwise temporal key
B. is used to encrypt a WEP authenticated session
C. is used to encrypt the data for WPA sessions
D. is used to secure the initial authentication credential exchange between client and authenticator

Answer: C

NEW QUESTION 890
A customer has a deployment of Cisco Identity Services Engine, Cisco 5508 Wireless Controllers, and Cisco Prime Infrastructure. When you troubleshoot client connectivity, whichsubchannels to transmit wirelesss real-time information on client association? (Choose Iwo.)

A. Prime Infrastructure
B. ISE Policy Services
C. Wireless Controller
D. ISE Monitoring
E. DHCP Sender

Answer: AC

NEW QUESTION 895
Drag and drop the infrastructure connections from the left onto the correct description on the right.

Answer:

Explanation:

trunk	WLC
AP	trunk
LAG	AP
WLC	LAG
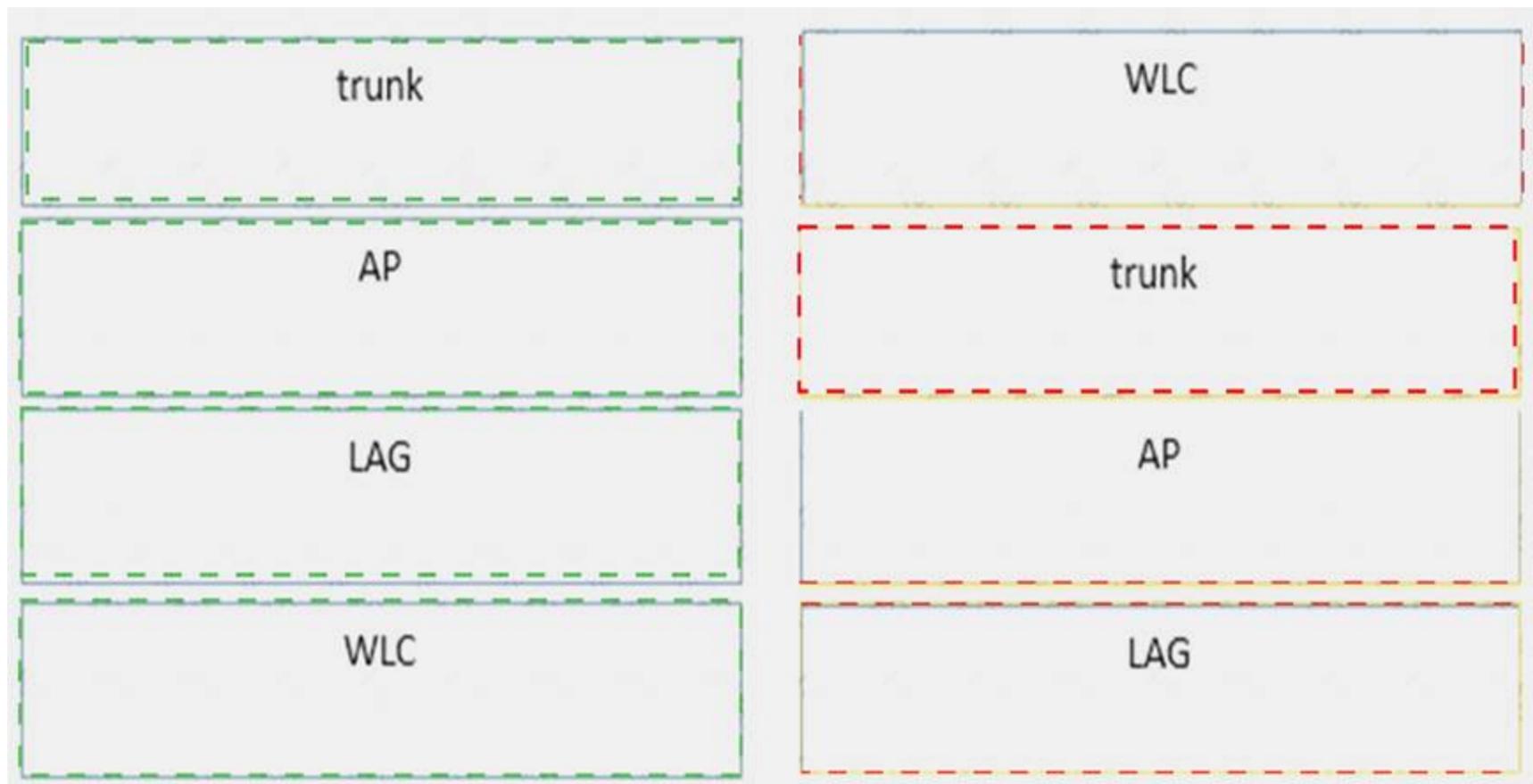
NEW QUESTION 900
A customer is converting from a Flex Connect solution to a converged access solution at a remote facility. The facility currently supports 500 users with 45 access points, so he is planning to install only one switch What switch would need to be implemented to support the new converged access methodology'?

A. Cisco 3850 Series Switch
B. Cisco 6800 Series Switch
C. Cisco 3650 Series Switch
D. Cisco 4500 Series Switch

Answer: A

Explanation: http://ccnawirelesswannabe.blogspot.com/2016/08/configuring-cisco-36503850-wireless.html

NEW QUESTION 904
Which two options are considered to be non-real-time applications? (Choose two.)

A. Citrix remote desktop
B. email
C. Collaboration
D. video
E. social media

Answer: BE

NEW QUESTION 905
Which Converged Access option on a WLC must you configure to maintain a client database under a complete mobility domain?

A. mobility agent
B. mobility group
C. mobility oracle
D. mobility controller

Answer: C

Explanation: https://www.ciscoxonVc/en/usMdocs/wireless/controller/8-4/config-guide/b_cg84/configuring_ne

NEW QUESTION 909
Which roaming situation using controllers in a Cisco Unified Wireless Network requires a client using WPA2
with PKC to reauthenticate to the network?

A. A wireless client roams to another AP on a different controller in the same mobility domain.
B. A wireless client roams to another AP on the same controller.
C. A wireless client roams to another AP after being out of range of the network for 2 minutes.
D. A wireless client roams to another AP on a controller in a different mobility domain.

Answer: D

NEW QUESTION 911
What is the minimum RSSI required for voice on cell boundary?

A. 25
B. -67
C. -40
D. -75

Answer: B

NEW QUESTION 916
When planning for VoWLAN applications, what must the overlap be between the cells?

A. 15 to 20 percent
B. 25 to 30 percent
C. no overlap
D. 30 to 40 percent

Answer: A

NEW QUESTION 919
What is derived from measuring the RF duty cycle?

A. dynamic channel selection
B. LWAPP header length
C. RF utilization
D. transmit power control

Answer: C

NEW QUESTION 921
To seamlessly roam between two wireless cells in a Cisco Unified Wireless Network using controllers, which condition must exist?

A. The next cell should be on the same channel as the client's current cell.
B. The wireless client must use an EAP authentication method with the infrastructure authenticator.
C. The client's password must be the same on both APs.
D. The next cell should provide the same SSID as the client's current cell.
E. The clients need static IP addresses.

Answer: D

NEW QUESTION 922
A client wants to implement an enterprise WLAN solution with the minimum hardware deployed onsite. What solution fulfills this requirement?

A. Cloud
B. Coverged
C. Autonomous
D. Centralized
E. Flexconned

Answer: E

Explanation: http://www.cisco.com/c/en'us/td/docs/wJreless/controller/8-0/configuration-guJde/b_cg80.pdf

NEW QUESTION 927
The EoIP tunnel between anchor and foreign controllers is not functioning. Which two ports and protocols must be open to enable the tunnel to form? (Choose two)

A. UDP port 1646
B. IP 97
C. UDP port 5247
D. UDP port 16666
E. UDP port 5246

Answer: BD

NEW QUESTION 932
What is the theoretical EIRP when using 10 meters of cable with 0.5-db/m signal loss to connect a 21 dbi dish antenna to an access point with the transmit power set to 50mW?

A. 200 mW
B. 100mW
C. 1000mW

Answer: C

NEW QUESTION 936
Which CAPWAP AP management access method is available as the default setting?

A. The console pod and SSH
B. Only the console port
C. SSH only
D. The console port, SSH and HTTPs

Answer: B

NEW QUESTION 937
While designing a highly resilient infrastructure, which layer is typically port of failure?

A. Distribution
B. WAN
C. Internet
D. access

Answer: D

NEW QUESTION 942
Which CLI command would you use on the Cisco WLC to display detailed information for a client associated with a lightweight access point?

A. debug dot11
B. show arp switch
C. show client detailed
D. show exclusionlist

Answer: C

NEW QUESTION 944
Which third-party tool is appropriate to assist in troubleshooting?

A. Wireshark
B. DART
C. VLAN
D. dot1q trunk

Answer: A

NEW QUESTION 946
Which WLC menu you use the check the assigned power level of an AP?

A. Wireless
B. Management
C. Controller
D. Monitor

Answer: A

NEW QUESTION 947
Which type of survey is based on listening to the APs that are already deployed?

A. passive
B. planning
C. active
D. predictive

Answer: A

NEW QUESTION 951
How many dbm is 40mW?

A. 10dbm
B. 22dbm
C. 20dbm
D. 16dbm

Answer: D

NEW QUESTION 952
Refer to the exhibit. Drag the MAC addresses on the left that will allow the wireless station Host A to send a frame through a controller based AP to the wired station Host B and drop them in the correct order on the right. Not all options are used.

controller		Target
Host A		Target
AP		Target
Empty		Target
Host B		

Answer:

Explanation:

controller		AP
Host A		Host A
AP		Host B
Empty		Empty
Host B		
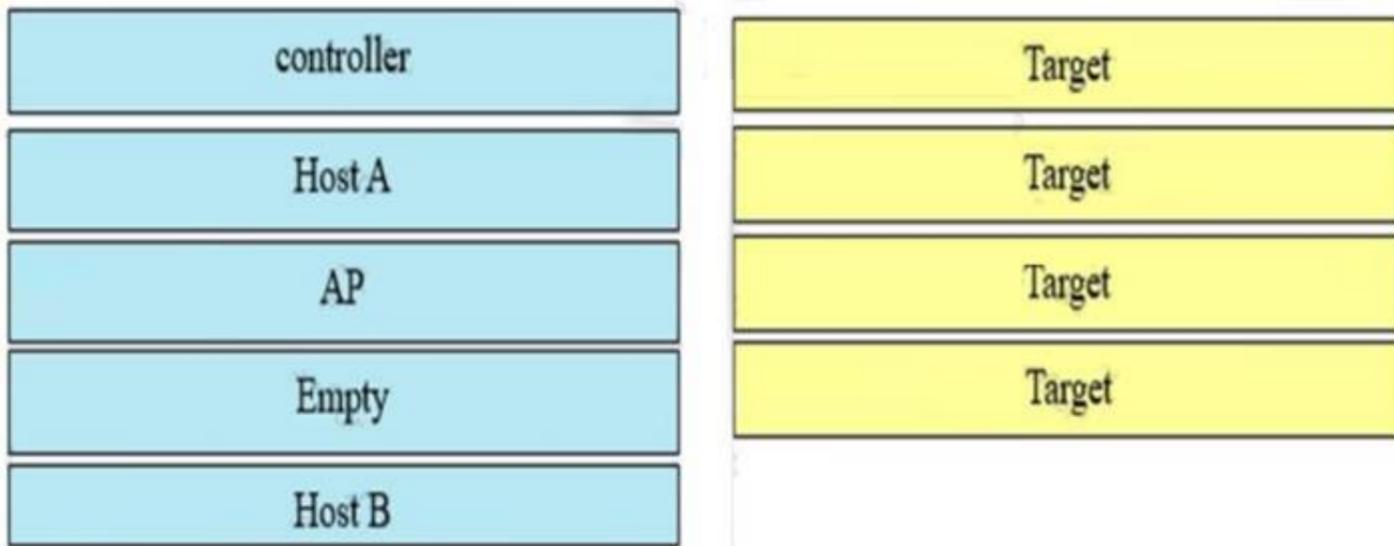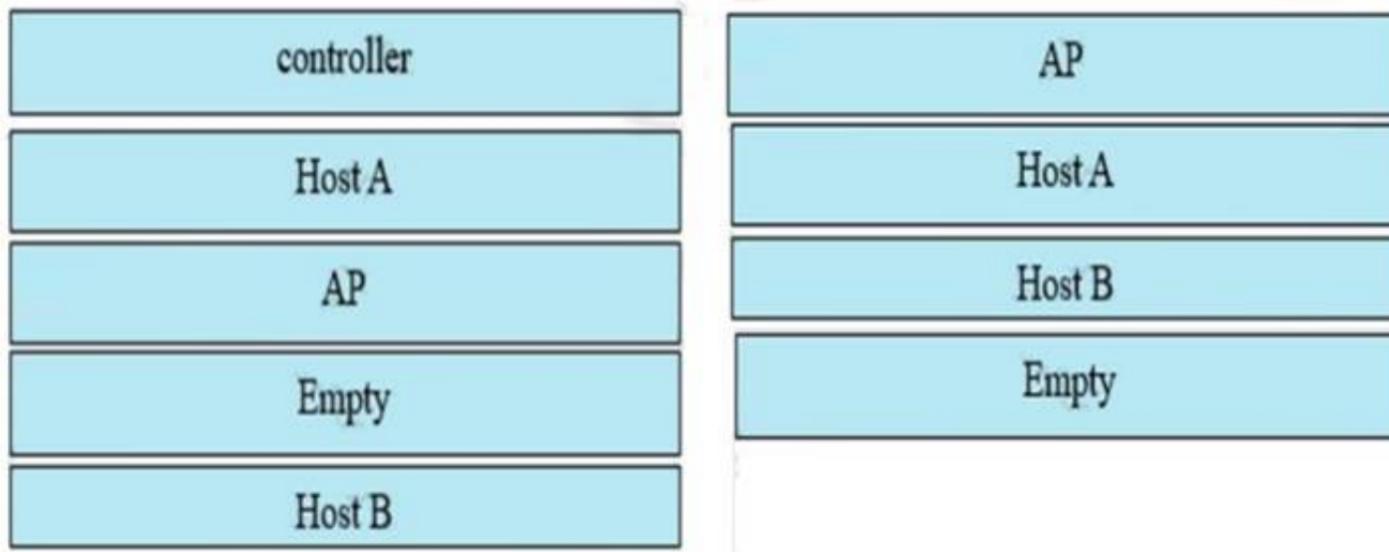
NEW QUESTION 953
Which two ports are used by default when configuring RADIUS for external authentication? (Choose two)

A. 1813
B. 1846
C. 1645
D. 1812
E. 1845
F. 1646

Answer: AD

NEW QUESTION 958
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