

AWM Professional

CCNA Wireless
(640-722)

Certification Prep

Certified WAN Professional (CWP) Hands-On Lab Guide



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QUESTION NO: 1

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: C,E,F

Explanation:

QUESTION NO: 2

Which two statements about WiMAX technology are true? (Choose two.)

- A. WiMAX is defined by 802.11i.
- B. Typically, fixed WiMAX networks have a higher-gain directional antenna installed near the client.
- C. WiMAX is capable of working as a long-range system over several miles.
- D. WiMAX works only for licensed frequencies.

Answer: B,C

Explanation:

QUESTION NO: 3

Which governing body analyzes the applications and environments in which wireless networks are used?

- A. EIRP
- B. ETSI
- C. FCC
- D. IEEE
- E. WiFi Alliance

Answer: D

Explanation:

QUESTION NO: 4

Which description best describes upfade in a multipath environment?

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

Explanation:

QUESTION NO: 5

A controller is connected to a Cisco Catalyst switch. The switch port configuration looks like this:

```
interface GigabitEthernet 1/0/10
switchport
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 1,20,30,50
switchport trunk native vlan 20
switchport mode trunk
```

Which controller CLI command assigns its management interface to the native VLAN interface of the Cisco Catalyst switch?

- A.** config interface vlan management 0
- B.** config interface vlan management 1
- C.** config interface vlan management 20

- D. config interface vlan management 30
- E. config interface vlan management 50

Answer: A

Explanation:

Since the controller management interface is connected to the native vlan interface of the Cisco Catalyst switch, the correct command is: config interface vlan management vlan-id 0
(<http://www.cisco.com/en/US/docs/wireless/controller/5.0/configuration/guide/c5mint.html#wp1182892>)

QUESTION NO: 6

Which statement about an infrastructure basic service set is true according to IEEE 802.11 specifications?

- A. The set also is called an ad hoc network.
- B. The BSSID is generated from the first wireless client that starts up in the IBSS.
- C. The set enables the use of ESS.
- D. No signals are relayed from one client to another client.

Answer: C

Explanation:

QUESTION NO: 7

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: B,D

Explanation:

QUESTION NO: 8

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 = none 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: C,E

Explanation:

QUESTION NO: 9

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 valid. The AP then sends its certificate to the controller.
- B. The AP sends its certificate to the controller. The AP then authenticates the received Cisco WLC certificate as valid.
- C. The AP sends its certificate to the RADIUS server. The AP then authenticates the controller certificate as valid.
- D. The AP sends its certificate to the RADIUS server. The AP then authenticates the RADIUS certificate as valid.
- E. The AP authenticates the received RADIUS server certificate as valid. The AP then sends its certificate to the RADIUS server.
- F. The AP authenticates the received RADIUS server certificate as valid. The AP then sends its certificate to the controller.

Answer: B

Explanation:

QUESTION NO: 10

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: A,E

Explanation:

QUESTION NO: 11

Which two statements best describe the LAG configuration between a Cisco WLC and a Cisco Catalyst switch? (Choose two.)

- A. The Catalyst switch should be configured for PAgP.
- B. The Catalyst switch should be configured only for Layer 2 load balancing.
- C. The Catalyst switch should be configured for "on" mode.
- D. The Cisco WLC relies on the connected switch to perform the load-balance of traffic.
- E. The Cisco WLC aggregates multiple management interfaces into a single virtual interface.

Answer: C,D

Explanation:

QUESTION NO: 12

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: B,E

Explanation:

QUESTION NO: 13

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

Explanation:

QUESTION NO: 14

You are about to use a hotel's guest wireless services using a wireless laptop.

Which three items do you need to establish a wireless connection? (Choose three.)

- A. SSID name
- B. RF channel
- C. RF signal
- D. 802.1X/EAP credentials
- E. pre-shared key
- F. web page
- G. WPA/WPA2 settings

Answer: A,C,F

Explanation:

QUESTION NO: 15

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

Explanation:

QUESTION NO: 16

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

Explanation:

QUESTION NO: 17

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

Explanation:

QUESTION NO: 18

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: A,D

Explanation:

QUESTION NO: 19

Which Extensible Authentication Protocol types are supported by the Cisco Unified Wireless Network?

- A. EAP-TLS, PEAP-MSCHAPv2, and PEAP-GTC only
- B. LEAP and EAP-FAST only
- C. EAP-TLS, PEAP-MSCHAPv2, PEAP-GTC, LEAP, and EAP-FAST only
- D. any EAP supported by the RADIUS authentication server

Answer: D

Explanation:

QUESTION NO: 20

Which four parameters must be configured for local EAP-FAST on the controller? (Choose four.)

- A. authority ID
- B. authority ID Information
- C. client key
- D. PAC
- E. server key
- F. TTL for PAC
- G. monitor key
- H. NTP source

Answer: A,B,E,F

Explanation:

QUESTION NO: 21

Which method of encryption does the 802.11i standard use?

- A. AES/CCMP
- B. AES/ECB
- C. AES/OCB
- D. TKIP
- E. both AES/ECB and AES/CCMP

Answer: A

Explanation:

QUESTION NO: 22

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

Explanation:

QUESTION NO: 23

What is the maximum number of lightweight APs that can be supported from a single Cisco WCS Navigator management console with Cisco WCS and Cisco WLC running version 7.0 code?

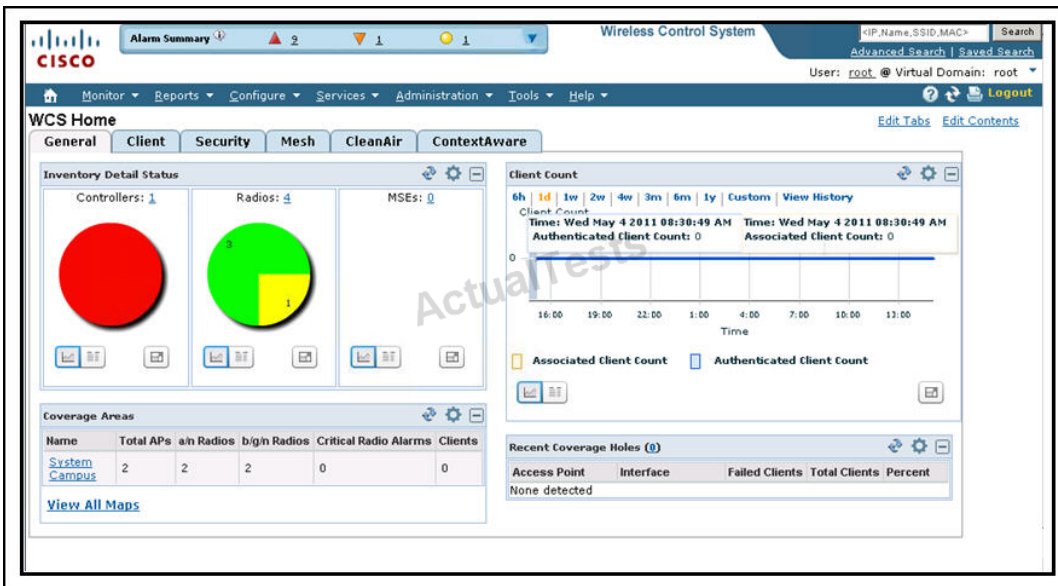
- A. 10,000
- B. 20,000
- C. 25,000
- D. 30,000
- E. 60,000

Answer: D

Explanation:

QUESTION NO: 24

Refer to the exhibit.



Which menu gives you access to manage background tasks in Cisco WCS?

- A. None, because the General tab provides access to the management of background tasks
- B. Monitor
- C. Configure
- D. Services
- E. Administration
- F. Tools

Answer: E

Explanation:

QUESTION NO: 25

Refer to the exhibit.

Add Controllers
Configure > Controllers > Add Controllers

General Parameters

Add Format Type: Device Info
IP Addresses: 10.10.1.30 (comma-separated IP Addresses)
Network Mask: 255.255.255.0
☐ Verify Telnet/SSH Capabilities

SNMP Parameters

Version: v2c
Retries: 2
Timeout: 10 (secs)
Community: private

Telnet/SSH Parameters

User Name: admin
Password:
Confirm Password:
Retries: 3
Timeout: 60 (secs)

OK Cancel

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

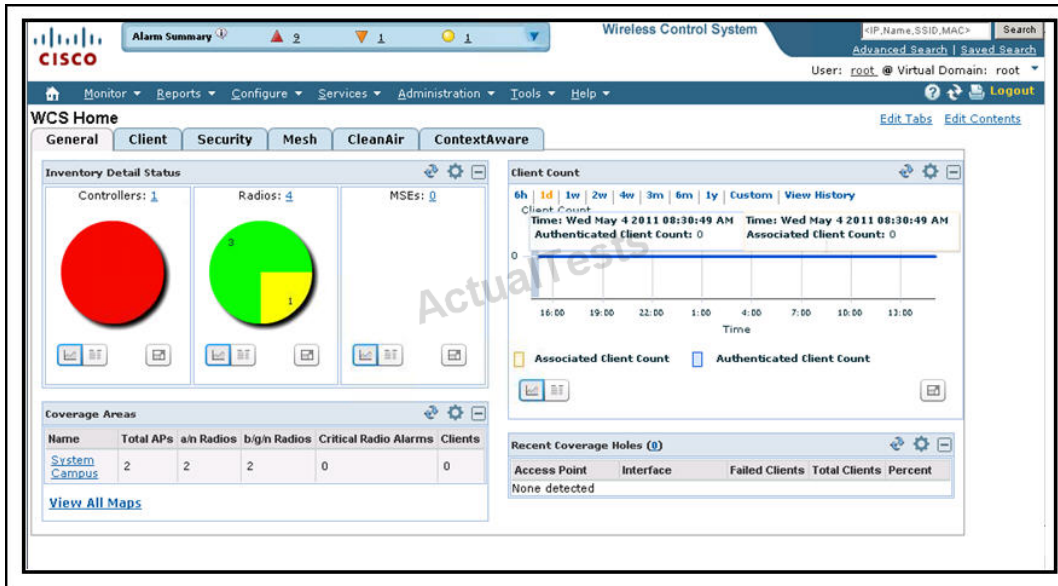
- A.** The CLI and GUI management of the controller both fail because Cisco WCS checks these credentials before opening a session.
- B.** The Telnet/SSH username must have sufficient privileges to execute commands in CLI templates.
- C.** The GUI management of the controller fails because the Cisco WCS 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

Explanation:

QUESTION NO: 26

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

Explanation:

QUESTION NO: 27

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: C,D

Explanation:

QUESTION NO: 28

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 networks. The WiFi Alliance, ETSI, and TELEC are the governmental agencies that regulate compliance with local standards.
- B. The IEEE is responsible for Layer 1 and Layer 2 protocols. The WiFi Alliance is responsible for interoperability testing. The FCC, ETSI, and TELEC are responsible for radio frequency and transmission power-level regulations and standards in the U.S., Europe, and Japan.
- C. The IEEE is responsible for Layer 1 and Layer 2 protocols. The FCC, ETSI, and TELEC are responsible for interoperability testing and compliance. The WiFi Alliance is responsible for radio frequency and transmission power-level regulations and standards on a global basis.
- D. The IEEE and FCC are responsible for the Layer 3 protocol support and frequency and power-level regulations in the United States. ETSI and TELEC are responsible for frequency and power-level regulations in Europe and Japan. The WiFi Alliance is responsible to interoperability testing.

Answer: B

Explanation:

QUESTION NO: 29

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

Explanation:

QUESTION NO: 30

You are testing a new autonomous Cisco Aironet 1260 AP that has booted for the first time on the existing corporate network, which includes voice, data, and location services.

How do you reach the GUI of the AP?

- A.** HTTP to 10.0.0.1.
- B.** HTTP to 192.168.1.1.
- C.** HTTP to the DHCP address.
- D.** HTTPS to 10.0.0.1.
- E.** HTTPS to the 192.168.1.1.
- F.** HTTPS to the DHCP address.

Answer: C

Explanation:

QUESTION NO: 31

A WLAN deployment uses a combination of Cisco Aironet 1260 APs and multiple Cisco 5500 Wireless LAN Controllers to provide wireless LAN access to end-users. The network administrator has decided to use DHCP Option 43 to enable the APs to discover the wireless LAN controllers.

When configuring the DHCP scope, which format should be used for the Cisco WLC addresses?

- A.** a comma-separated ASCII string of Cisco WLC AP-manager addresses
- B.** a comma-separated ASCII string of Cisco WLC management addresses

- C. a comma-separated ASCII string of Cisco WLC virtual IP addresses
- D. a hexadecimal string of Cisco WLC AP-manager addresses
- E. a hexadecimal string of Cisco WLC management addresses
- F. a hexadecimal string of Cisco WLC virtual IP addresses

Answer: E

Explanation:

QUESTION NO: 32

Which interface is considered a dynamic interface?

- A. the virtual interface
- B. the AP manager interface
- C. the LAG interface
- D. the management interface
- E. the service port interface
- F. a WLAN client data interface

Answer: F

Explanation:

QUESTION NO: 33

Which three items do you need to establish a wireless connection to an enterprise wireless network? (Choose three.)

- A. SSID name
- B. RF channel
- C. RF signal
- D. 802.1X/EAP credentials
- E. pre-shared key
- F. web page
- G. WPA/WPA2 settings

Answer: A,C,D

Explanation:

QUESTION NO: 34

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

Explanation:

QUESTION NO: 35

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

Explanation:

QUESTION NO: 36

Which Cisco AnyConnect module provides wireless connectivity?

- A. telemetry
- B. web security
- C. VPN

- D. NAM
- E. DART
- F. posture
- G. CSSC

Answer: D

Explanation:

QUESTION NO: 37

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

Explanation:

QUESTION NO: 38

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

Explanation:

QUESTION NO: 39

Strong security is required, but a centralized RADIUS authenticator has not been implemented.

Which two steps must you take to provide maximum security when using a pre-shared key?
(Choose two.)

- A. Change the TKIP on a weekly basis.
- B. Use a key that includes mixed-case letters, numbers, and symbols with a length greater than 10 characters.
- C. Use only with WPA and WPA2, following proper strong key guidelines.
- D. Use the longest possible WEP key in your security policy.

Answer: B,C

Explanation:

QUESTION NO: 40

What is the impact of configuring a single SSID to support TKIP and AES encryption simultaneously?

- 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

Explanation:

QUESTION NO: 41

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

- A. Pairwise Master Key
- B. Pairwise Multiple Key
- C. Pairwise Session Key
- D. Pairwise Transient Key

E. Pairwise Transverse Key

Answer: D

Explanation:

QUESTION NO: 42

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: A,B,C,E

Explanation:

QUESTION NO: 43

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: A,B,C,D,F

Explanation:

QUESTION NO: 44

When a guest client is authenticated, which type of connection is created between the controller-based AP and the client?

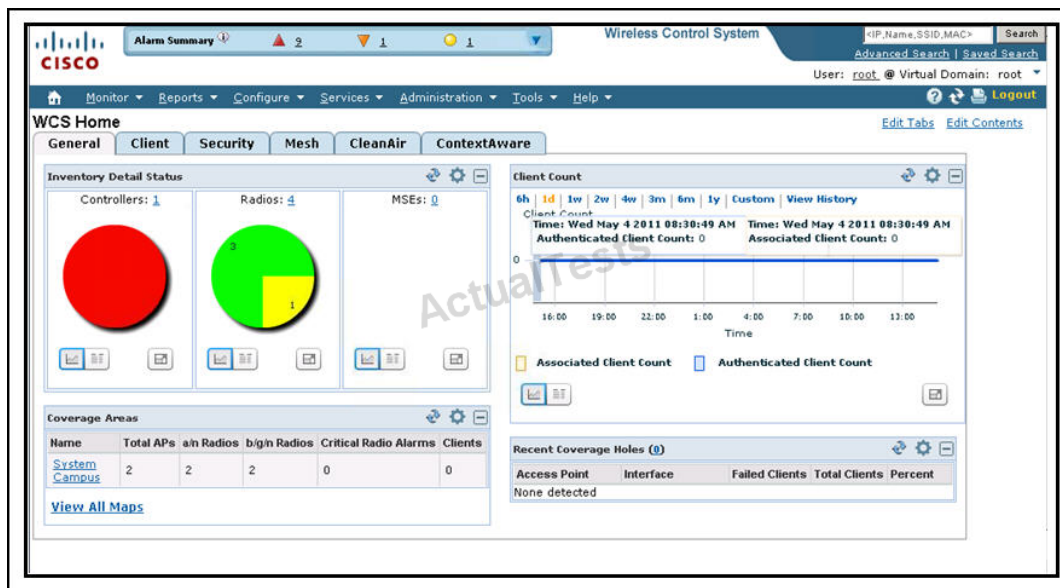
- A. as SSL connection
- B. a TLS encrypted tunnel
- C. an unsecured connection
- D. a 802.1x/EAP tunnel
- E. an IPsec tunnel

Answer: C

Explanation:

QUESTION NO: 45

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

Explanation:

QUESTION NO: 46

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

Explanation:

QUESTION NO: 47

Which three severity levels are in the Cisco WCS alarm dashboard? (Choose three.)

- A.** Critical
- B.** Flash
- C.** Major
- D.** Minor
- E.** Trivial
- F.** Urgent

Answer: A,C,D

Explanation:

QUESTION NO: 48

The existing Cisco Unified Wireless Controller is running version 7.0 code for both the controllers and the Cisco WCS. A controller has been configured with an appropriate rogue rule condition to report discovered APs to the Cisco WCS.

Which default alarm level is used to display all rogue APs in the Alarm Summary?

- A. Critical
- B. Flash
- C. Urgent
- D. Major
- E. Minor

Answer: E

Explanation:

QUESTION NO: 49

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

Explanation:

QUESTION NO: 50

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

Explanation:

QUESTION NO: 51

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

Explanation:

QUESTION NO: 52

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

- A. debug capwap
- B. debug mac addr
- C. debug dot11
- D. debug dhcp
- E. debug ap
- F. debug dtls

Answer: B,C,D

Explanation:

QUESTION NO: 53

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

Explanation:

QUESTION NO: 54

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

Explanation:

QUESTION NO: 55

Which option best describes the limitation of a client that is attempting to manage a WLC while using the client wireless adapter connection to the wireless infrastructure?

- A. Controllers must be managed using only secure protocols (that is, SSH and HTTPS), not nonsecure protocols (that is, HTTP and Telnet).
- B. Read-write access is not available; only read-only access is supported.
- C. Uploads and downloads from the controller are not allowed.
- D. Wireless clients can manage other controllers, but not the same controller and the AP to which the client is associated.

Answer: C

Explanation:

QUESTION NO: 56

Refer to the exhibit.

Management

- Summary**
- SNMP**
 - General
 - SNMP V3 Users
 - Communities
 - Trap Receivers
 - Trap Controls
 - Trap Logs
- HTTP-HTTPS**
- Telnet-SSH**
- Serial Port**
- Local Management Users**
- User Sessions**
- Logs**
 - Config
 - Message logs

Syslog Configuration

Syslog Server IP Address **Add**

Syslog Server

Syslog Level **Errors**

Syslog Facility **Local Use 0**

Msg Log Configuration

Buffered Log Level **Errors**

Console Log Level **Disable**

File Info ☒

Trace Info ☒

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

Explanation:

QUESTION NO: 57

Which type of management tasks can be completed on a Cisco WLC remotely from a wireless client?

- A. All management and configuration tasks can be performed from a wireless client except for using debug commands.
- B. In the default configuration, no management or configuration is possible through the GUI or CLI on the Cisco WLC.
- C. The default configuration of the Cisco WLC allows only CLI access and then only the use of show commands, so no configuration is possible.
- D. All management and configuration tasks, except uploads from and downloads to the Cisco WLC, are permitted.

Answer: B

Explanation:

QUESTION NO: 58

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

Explanation:

QUESTION NO: 59

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

Explanation:

QUESTION NO: 60

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

Explanation:

QUESTION NO: 61

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

Explanation:

QUESTION NO: 62

Which four options are the characteristics of the original 802.11 protocol? (Choose four.)

- A. Defined DSSS and FHSS as possible methods for modulation
- B. Designed to operate in the 5 GHz ISM frequency spectrum
- C. The most common deployment is three non-overlapping channels that are 20 MHz wide
- D. The protocol sets the maximum throughput at 1 Mb/s or 2 Mb/s
- E. Defined FHSS and OFDM as possible methods for modulation
- F. The most common deployment is three non-overlapping channels that are 22 MHz wide
- G. Designed to operate in the 2.4 GHz ISM frequency spectrum
- H. The protocol sets the maximum throughput at 1 Mb/s

Answer: A,C,D,G

Explanation:

QUESTION NO: 63

The network administrator receives complaints of slow wireless network performance and performs a sniffer trace of the wireless network in preparation for migration to 802.11n. The sample capture shows frames that contains AP beacons with NonERP_Present bit set to 1 and frames with RTS/CTS.

Which two conclusions can be interpreted from these frames? (Choose two.)

- A. The network is performing slowly because 802.11n clients are already mixed with 802.11g clients.
- B. The network is performing slowly because 802.11b clients still exist in the network.
- C. The network is performing slowly because a wireless client is incorrectly configured, which results in RF interference.
- D. Possible 802.11b wireless clients are located only in the AP cell radius where the sniffer capture was performed.
- E. Possible 802.11b wireless clients could be located anywhere in the wireless network.

Answer: B,E

Explanation:

QUESTION NO: 64

How many dBm is 40 mW?

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

Answer: B

Explanation:

QUESTION NO: 65

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: B

Explanation:

QUESTION NO: 66

Which calculation computes the EIRP of an antenna?

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

Answer: A

Explanation:

QUESTION NO: 67

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: A,B,E

Explanation:

QUESTION NO: 68

Which option describes computer-to-computer wireless communication?

- A. BSS and BSA
- B. IBSS and ad hoc network
- C. ad hoc network and BSA
- D. IBSS and ESS
- E. ESS and BSA
- F. BSS and ad hoc network

Answer: B

Explanation:

QUESTION NO: 69

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: A,E

Explanation:

QUESTION NO: 70

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: A,B

Explanation:

QUESTION NO: 71

Which two actions are best for deploying VoWLAN on a wireless network? (Choose two.)

- A. Minimize the use of Class 3 Bluetooth devices.
- B. Minimize the use of analog cameras.
- C. Minimize the use of IP cameras.
- D. Maximize client access by enabling all data rates used by clients.
- E. Maximize client access by enabling only a few high data rates used by clients.

Answer: B,E

Explanation:

QUESTION NO: 72

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

Explanation:

QUESTION NO: 73

What is the EIRP value for a transmitter that has a transmitter capable of 15 dBm, an antenna that has a gain of 12 dBi, and a cable that connects the transmitter to the antenna that has 1 db loss?

- A. 26 dBm
- B. 100 mW
- C. .86 dBm
- D. 165 dBm
- E. 1000 mW

Answer: A

Explanation:

QUESTION NO: 74

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: A,C,D

Explanation:

QUESTION NO: 75

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

Explanation:

QUESTION NO: 76

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: C,D,E

Explanation:

QUESTION NO: 77

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: C,E

Explanation:

QUESTION NO: 78

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: A,C,D

Explanation:

QUESTION NO: 79

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 order. The process continues until one of the configured Cisco WLCs is available.
- B. The AP attempts to join a Cisco WLC configured as a master controller.
- C. The AP attempts to join the Cisco WLC that has the greatest capacity available.
- D. 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

Explanation:

QUESTION NO: 80

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

Explanation:

QUESTION NO: 81

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: B,E,F

Explanation:

QUESTION NO: 82

A controller is connected to a Cisco Catalyst switch. The switch port configuration looks like this:

```
interface GigabitEthernet 1/0/10
switchport
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 1,20,30,50
switchport trunk native vlan 20
switchport mode trunk
```

Which controller CLI command assigns its management interface to the native VLAN interface of the Cisco Catalyst switch?

- A. config interface vlan management 0
- B. config interface vlan management 1
- C. config interface vlan management 20
- D. config interface vlan management 30
- E. config interface vlan management 50

Answer: C

Explanation:

QUESTION NO: 83

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: B,C,G

Explanation:

QUESTION NO: 84

A Cisco 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: A,E,F

Explanation:

QUESTION NO: 85

An AP has been configured for personal wireless access to the Internet.

Which item should be configured on the wireless client?

- A. RF channel
- B. BSS

- C. PSK
- D. 802.1X/EAP
- E. broadcast SSID
- F. IBSS

Answer: C

Explanation:

QUESTION NO: 86

You need to set up an ad hoc connection to another client in a conference room to exchange files using Windows 7. Which two items do you need to create this connection? (Choose two.)

- A. SSID name
- B. RF channel
- C. 802.1X/EAP credentials
- D. pre-shared key
- E. Telnet
- F. IBSS name
- G. SSH

Answer: D,F

Explanation:

QUESTION NO: 87

Which option describes why most wireless phones and tablets do not use 802.11a/n and 40 MHz channels?

- A. a lack of radio range when using these radios
- B. a lack of device battery capacity to operate concurrent a/b/g/n radios
- C. a lack of cooling in the device necessary to operate these radios
- D. These radios would require the devices to be larger.

Answer: B

Explanation:

QUESTION NO: 88

An AP has been configured for personal wireless access to the Internet using appropriate security and cloaking. Which two items should be configured on the wireless client? (Choose two.)

- A. RF channel
- B. BSS
- C. PSK
- D. 802.1X/EAP
- E. broadcast SSID
- F. manual SSID
- G. IBSS

Answer: B,F

Explanation:

QUESTION NO: 89

The introduction of consumer phones and tablets into enterprise WLANs can have an impact on 802.11a/b/g/n deployments. The Apple iPhone 4 and iPad 2 are very common examples.

Which statement best describes the abilities of these devices?

- A. The Apple iPhone 4 and the iPad 2 use 2.4 GHz and 5 GHz. The Apple iPhone 4 uses only one spatial stream and the iPad 2 uses two spatial streams.
- B. The Apple iPhone 4 uses only 2.4 GHz and the iPad 2 only uses 5 GHz. The Apple iPhone 4 uses only one spatial stream and the iPad 2 uses two spatial streams.
- C. The Apple iPhone 4 uses 2.4 GHz and the iPad 2 uses 2.4 GHz or 5 GHz. The Apple iPhone 4 only uses one spatial stream and the iPad 2 uses two spatial streams.
- D. The Apple iPhone 4 uses 2.4 GHz and the iPad 2 uses 2.4 GHz or 5 GHz. The Apple iPhone 4 and the iPad 2 use only one spatial stream.

Answer: D

Explanation:

QUESTION NO: 90

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

Explanation:

QUESTION NO: 91

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

Explanation:

QUESTION NO: 92

You are sitting in an airport preparing to use a free WLAN. When you look at the connections in your Windows 7 wireless client, you see a network name and three boxes with a yellow shield.

What does this mean?

- A. You cannot connect to this WLAN.
- B. An open ad hoc network is nearby.
- C. The WLAN in the airport is open.
- D. A secure ad hoc network is nearby.
- E. A secure WLAN is in the airport.

F. You must provide a username and password to access the WLAN in the airport.

Answer: B

Explanation:

QUESTION NO: 93

How are application-specific devices differentiated from laptop computers in the way they support Cisco Compatible Extensions?

- A. ASDs are required to support only Cisco Compatible Extensions v1 and v2 features. Laptops must support all Cisco Compatible Extensions features.
- B. ASDs are required to support only Cisco Compatible Extensions v5 management features, while laptops are required to support optional features.
- C. Several features that are required for laptops are not required for ASDs.
- D. There is no differentiation. ASDs and laptops must both support the same Cisco Compatible Extensions features.

Answer: C

Explanation:

QUESTION NO: 94

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

Explanation:

QUESTION NO: 95

Which Cisco AnyConnect module provides wireless connectivity?

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

Answer: D

Explanation:

QUESTION NO: 96

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: B,C

Explanation:

QUESTION NO: 97

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

Explanation:

QUESTION NO: 98

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: B,E,F

Explanation:

QUESTION NO: 99

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

Explanation:

QUESTION NO: 100

How many RADIUS servers can be configured globally and per WLAN on a Cisco WLC version 7.0?

- A. 7 global; additional 1 per WLAN
- B. 7 global; additional 3 per WLAN

- C. 17 global; additional 1 per WLAN
- D. 17 global; additional 3 per WLAN
- E. 7 global; reuse of up to 1 maximum per WLAN
- F. 17 global; reuse of up to 1 maximum per WLAN
- G. 17 global; reuse of up to 3 maximum per WLAN

Answer: G

Explanation:

QUESTION NO: 101

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

Explanation:

QUESTION NO: 102

When the pre-shared key authentication method is used for WPA or WPA2, for which two functions is the pre-shared key used? (Choose two.)

- A. to act as the Group Transient Key during the bidirectional handshake
- B. to act as the Pairwise Master Key during the bidirectional handshake
- C. to derive the nonce at each side of the exchange
- D. to derive the Pairwise Transient Key

Answer: B,D

Explanation:

QUESTION NO: 103

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

Explanation:

QUESTION NO: 104

When a wireless guest network is implemented using auto-anchor mobility in a controller-based wireless network, which controller is responsible for a guest client's IP address and their security configuration?

- A. any controller that supports the same VLAN
- B. foreign controller
- C. anchor controller
- D. master controller
- E. RF group master controller

Answer: C

Explanation:

QUESTION NO: 105

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

Explanation:

QUESTION NO: 106

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

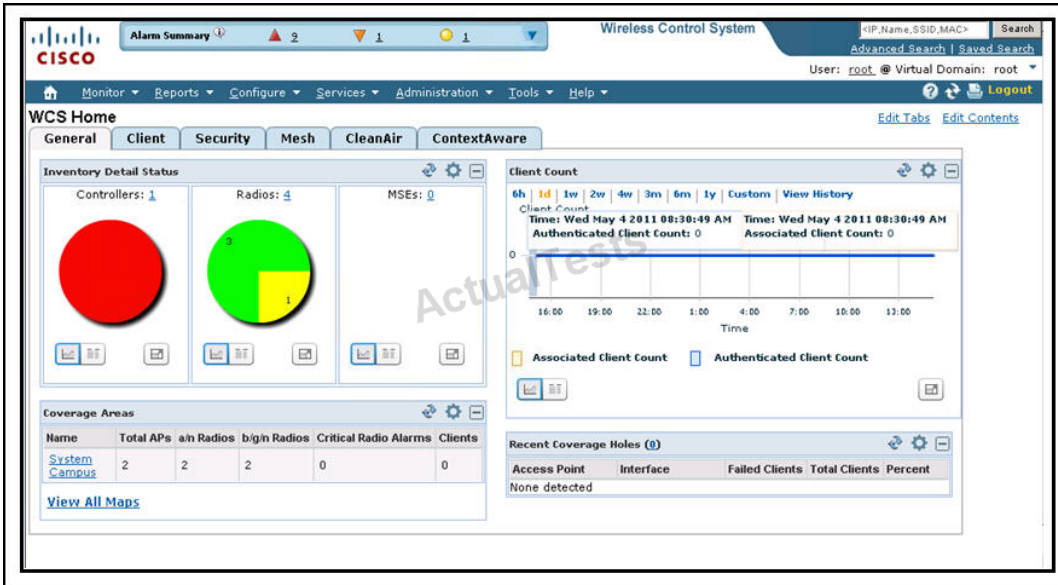
E. client location to the nearest AP

Answer: B,C

Explanation:

QUESTION NO: 107

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?

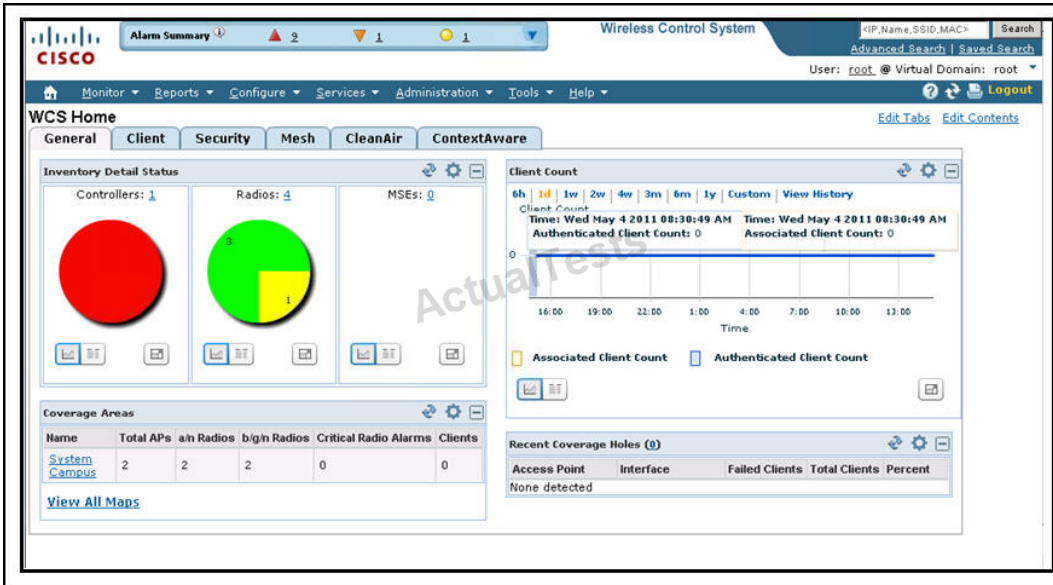
- A. Security
- B. Monitor
- C. Configure
- D. Services
- E. Administration
- F. Tools

Answer: C

Explanation:

QUESTION NO: 108

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?

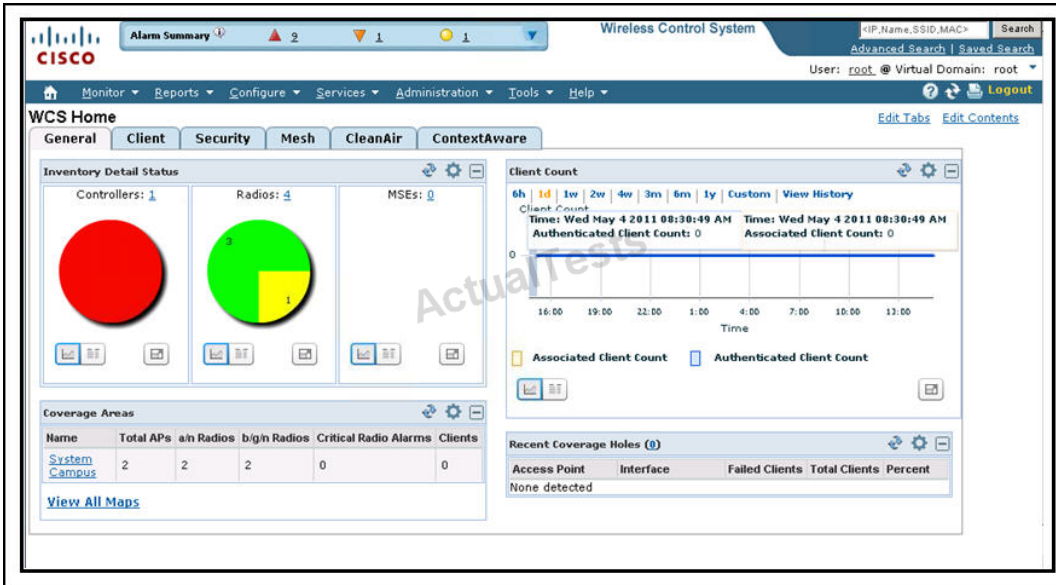
- A. Security
- B. Monitor
- C. Configure
- D. Services
- E. Administration
- F. Tools

Answer: B

Explanation:

QUESTION NO: 109

Refer to the exhibit.



You made a manual configuration change to a controller and now you need to compare the controller configuration seen on Cisco WCS to the configuration that is present in the controller.

Which menu can you use to do compare the configurations?

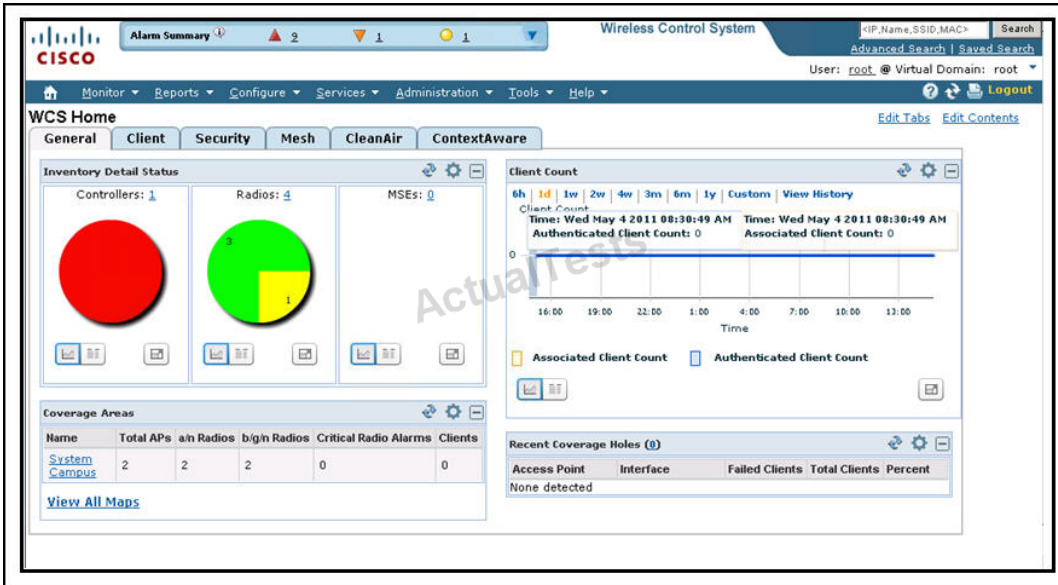
- A. Reports
- B. Monitor
- C. Configure
- D. Services
- E. Administration
- F. Tools

Answer: C

Explanation:

QUESTION NO: 110

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: A,C

Explanation:

QUESTION NO: 111

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.

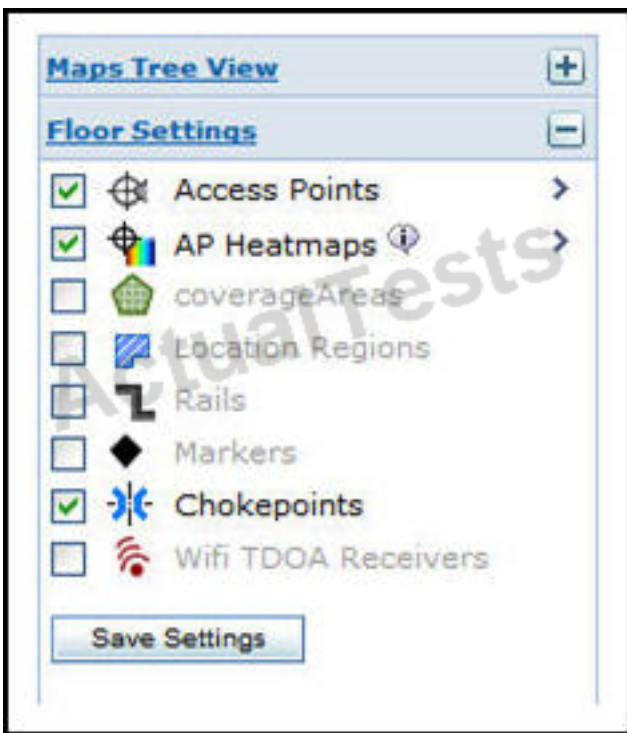
- C. The 802.11a/n radio has a major fault.
- D. The 802.11b/g/n radio is administratively disabled.
- E. The 802.11b/g/n radio has a minor fault.
- F. The 802.11b/g/n radio has a major fault.

Answer: B,F

Explanation:

QUESTION NO: 112

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

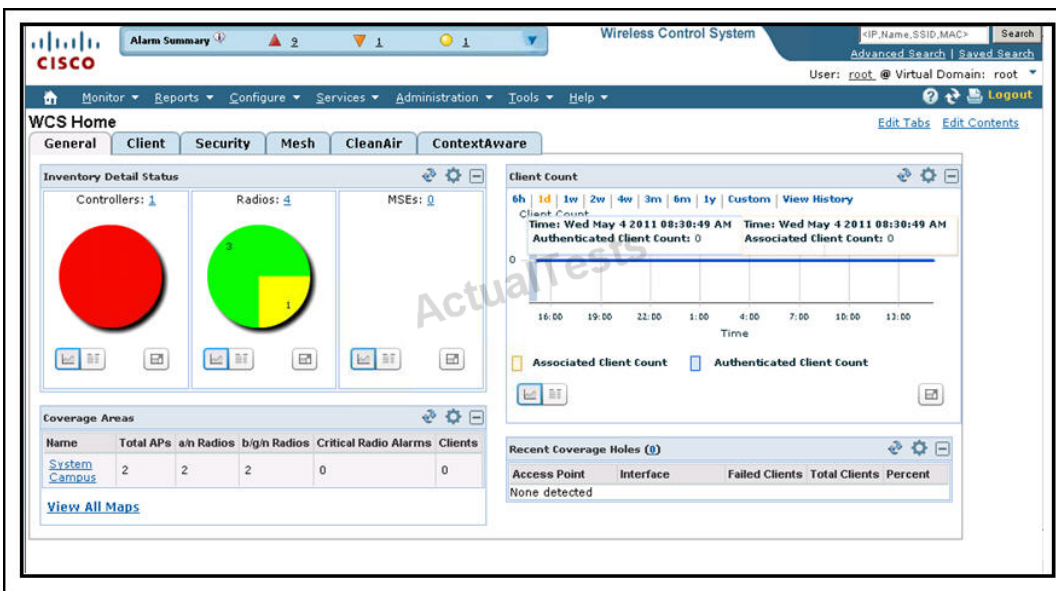
F. Cisco WCS is not enabled.

Answer: B,D

Explanation:

QUESTION NO: 113

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

Explanation:

QUESTION NO: 114

An AP was reset while working on the correct association to a Cisco WCS version 7.0.

Which item was cleared during the reset?

- A. static IP address
- B. the location ID of the AP
- C. WLC primary, secondary, tertiary
- D. AP name
- E. certificate
- F. Nothing was cleared.

Answer: F

Explanation:

QUESTION NO: 115

Which two actions would you use to begin to troubleshoot an access point that fails to join a wireless LAN controller successfully? (Choose two.)

- A. SSH to the AP.
- B. SSH to the Cisco WCS.
- C. SSH to the Cisco WLC.
- D. Issue the Cisco WLC command `debug capwap events enable`
- E. Issue the Cisco WLC command `show capwap events`

Answer: C,D

Explanation:

QUESTION NO: 116

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: B,C,D,E

Explanation:

QUESTION NO: 117

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: A,D

Explanation:

QUESTION NO: 118

When using Cisco WCS version 7.0, which two features are available for the client troubleshooting tool when a Cisco Compatible Extensions v5 wireless client gets connected? (Choose two.)

- A. Request CleanAir reports from the client
- B. Send text messages to the client
- C. Aggregated Cisco ACS authentication client information
- D. Request the client to ping the DHCP-supplied IP gateway
- E. Display a summary of client event history

Answer: B,D

Explanation:

QUESTION NO: 119

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

Explanation:

QUESTION NO: 120

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

Explanation:

QUESTION NO: 121

Which two statements about the Cisco WLC and AP code upgrade when 7.0 is running are true? (Choose two.)

- A. The AP can download and run new code only after a Cisco WLC reboot causes the AP discovery and join.
- B. The AP can download new code before the Cisco WLC reboot, but only if the AP is configured the CLI via SSH.
- C. The AP can download new code before Cisco WLC reboot if it is configuring the Cisco WLC directly using the GUI via HTTP or HTTPS.
- D. The Cisco WLC defaults to booting newer code, but it can boot older backup code only from the CLI configuration.
- E. The Cisco WLC can boot either primary or back code configured from the GUI.
- F. The Cisco WLC can download only a single code at a time for reboot.

Answer: C,E

Explanation:

QUESTION NO: 122

You are on the phone working with a colleague that is console connected to a lightweight AP that has lost its configuration. Which three actions are necessary to allow the AP to connect to a controller? (Choose three.)

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

Answer: A,C,E

Explanation:

QUESTION NO: 123

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: A,D,E

Explanation:

QUESTION NO: 124 DRAG DROP

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
- mobility management
- encryption downstream
- providing real-time signal-quality information
- QoS policies
- decryption upstream

- Controller
 - Target
 - Target
 - Target
- AP
 - Target
 - Target
 - Target

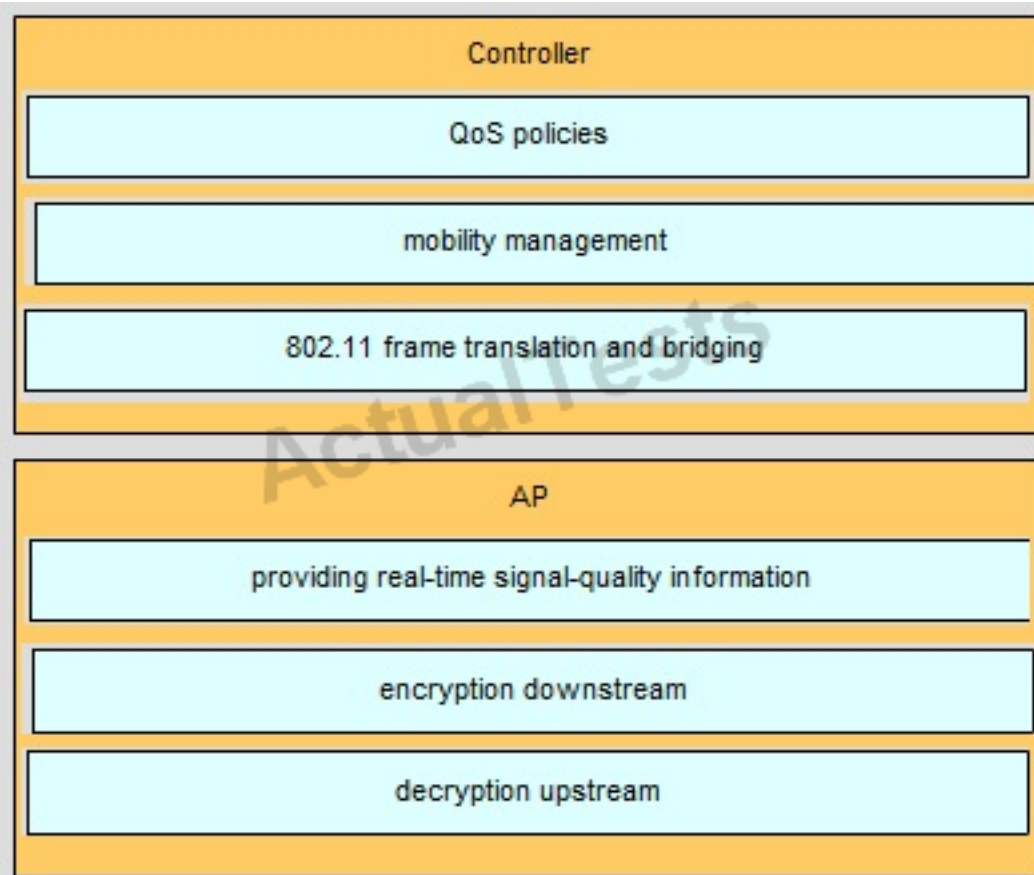
Answer:

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
- mobility management
- encryption downstream
- providing real-time signal-quality information
- QoS policies
- decryption upstream

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

Explanation:



QUESTION NO: 125 DRAG DROP

Refer to the exhibit. Drag the steps for Open Authentication from the left and drop them in the correct order on the right.

Client sends probe request.	Target
Either Access Point A or Access Point B sends probe response. Client evaluates access point response. Selects best access point.	Target
Client sends association request to selected Access Point A.	Target
Client sends authentication request to selected access point A.	Target
Access point confirms authentication and registers client.	Target
Access point A confirms association and registers client.	Target

Answer:

Refer to the exhibit. Drag the steps for Open Authentication from the left and drop them in the correct order on the right.

Client sends probe request.	Client sends probe request.
Either Access Point A or Access Point B sends probe response. Client evaluates access point response. Selects best access point.	Either Access Point A or Access Point B sends probe response. Client evaluates access point response. Selects best access point.
Client sends association request to selected Access Point A.	Client sends authentication request to selected access point A.
Client sends authentication request to selected access point A.	Access point confirms authentication and registers client.
Access point confirms authentication and registers client.	Client sends association request to selected Access Point A.
Access point A confirms association and registers client.	Access point A confirms association and registers client.

Explanation:

Client sends probe request.

Either Access Point A or Access Point B sends probe response. Client evaluates access point response. Selects best access point.

Client sends authentication request to selected access point A.

Access point confirms authentication and registers client.

Client sends association request to selected Access Point A.

Access point A confirms association and registers client.

QUESTION NO: 126 DRAG DROP

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

available on Cisco 3500 Series APs

A minimum of a 500-byte MTU is supported between the AP and the controller.

allows APs to act as a network-connected sensor

may operate in connected or standalone modes

mode used to set up a mesh network, either indoor or outdoor

APs can switch client data traffic locally and perform client authentication locally when their connection to a centralized controller is lost.

AP SE-Connect Mode

Target

Target

AP Bridging Mode

Target

H-REAP

Target

Target

Target

Answer:

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

Characteristics	AP SE-Connect Mode	AP Bridging Mode	H-REAP
available on Cisco 3500 Series APs	available on Cisco 3500 Series APs		
A minimum of a 500-byte MTU is supported between the AP and the controller.			A minimum of a 500-byte MTU is supported between the AP and the controller.
allows APs to act as a network-connected sensor	allows APs to act as a network-connected sensor		
may operate in connected or standalone modes			may operate in connected or standalone modes
mode used to set up a mesh network, either indoor or outdoor		mode used to set up a mesh network, either indoor or outdoor	
APs can switch client data traffic locally and perform client authentication locally when their connection to a centralized controller is lost.			APs can switch client data traffic locally and perform client authentication locally when their connection to a centralized controller is lost.

Explanation:

AP SE-Connect Mode

available on Cisco 3500 Series APs

allows APs to act as a network-connected sensor

AP Bridging Mode

mode used to set up a mesh network, either indoor or outdoor

H-REAP

A minimum of a 500-byte MTU is supported between the AP and the controller.

may operate in connected or standalone modes

APs can switch client data traffic locally and perform client authentication locally when their connection to a centralized controller is lost.

QUESTION NO: 127 DRAG DROP

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:

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	AP
Host A	Host A
AP	Host B
Empty	Empty
Host B	

Explanation:

AP
Host A
Host B
Empty

QUESTION NO: 128 DRAG DROP

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.

AP manager interface

Not always required for configuration. 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:

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 configuration. IP source address of CAPWAP tunnels.

Not always required for configuration. 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.

Explanation:

Not always required for configuration. IP source address of CAPWAP tunnels.

Always available. Controls intercontroller communications.

Always available. Used for DHCP relay.

Not always required for configuration. Known as the VLAN interface.

Not always required for configuration. Require static routes.

QUESTION NO: 129 DRAG DROP

Drag the authentication types from the left and drop them on the correct descriptions on the right.

EAP-FAST	Not used much anymore.
EAP-MD5	Requires a certificate on the server but not on the client.
EAP-TLS	Requires a client-side certificate.
LEAP	Strong password policies recommended.
PEAP	Uses a Protected Access Credential.

Answer:

Drag the authentication types from the left and drop them on the correct descriptions on the right.

EAP-FAST	EAP-MD5
EAP-MD5	PEAP
EAP-TLS	EAP-TLS
LEAP	LEAP
PEAP	EAP-FAST

Explanation:

EAP-MD5
PEAP
EAP-TLS
LEAP
EAP-FAST

QUESTION NO: 130 DRAG DROP

Drag the 802.11 functional responsibility in the Cisco "Split MAC" design from the left and drop it on a platform on the right:

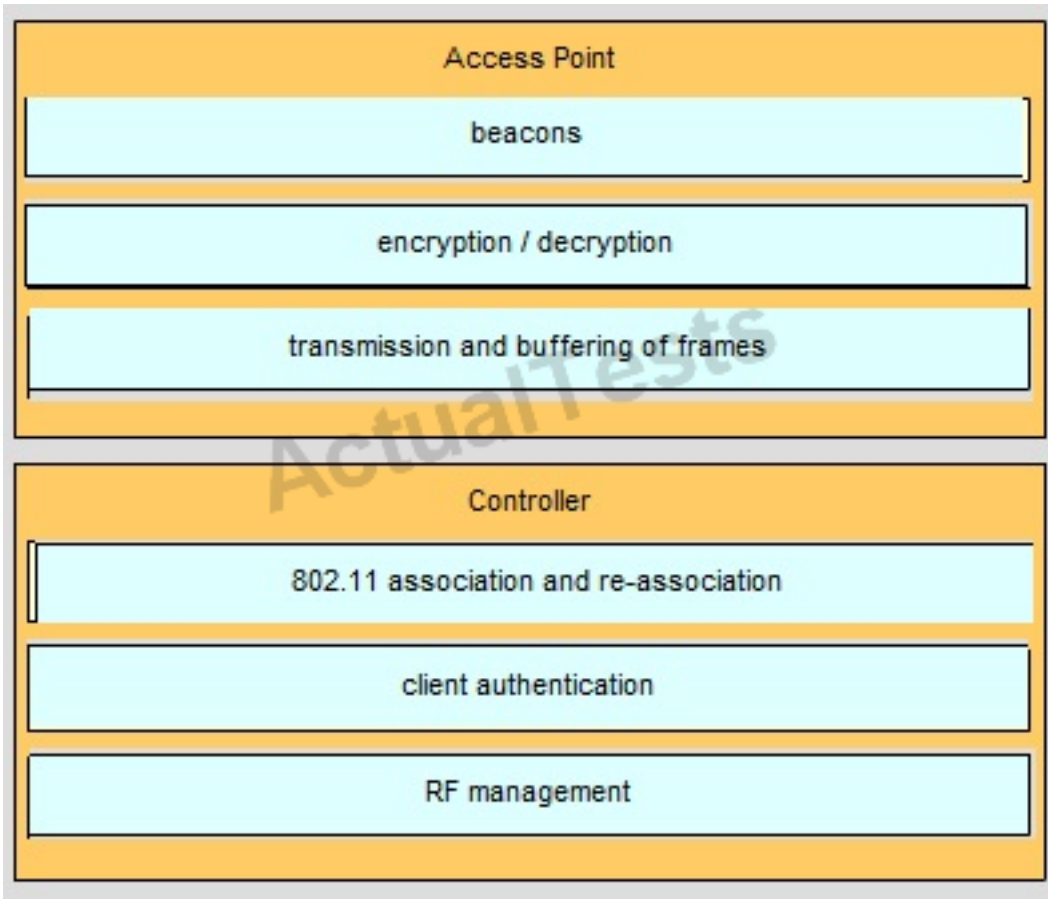
802.11 association and re-association	Access Point Controller
beacons	
client authentication	
encryption / decryption	
RF management	
transmission and buffering of frames	

Answer:

Drag the 802.11 functional responsibility in the Cisco "Split MAC" design from the left and drop it on a platform on the right:

802.11 association and re-association	Access Point beacons encryption / decryption transmission and buffering of frames
beacons	
client authentication	
encryption / decryption	Controller 802.11 association and re-association client authentication RF management
RF management	
transmission and buffering of frames	

Explanation:

**QUESTION NO: 131 DRAG DROP**

Drag the feature descriptions from the left and drop them onto the corresponding AP operational mode names on the right.

Feature Descriptions	AP Operational Mode Names
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:

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

Explanation:

site survey, wIPS, MSE
wIPS, MSE
VLAN trunk access, wired IDS
AWPP, local bridging
local bridging, wIPS, OEAP, VLAN trunk access
Layer 1 forwarding for remote analysis
Layer 2 forwarding for remote analysis

QUESTION NO: 132 DRAG DROP

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.

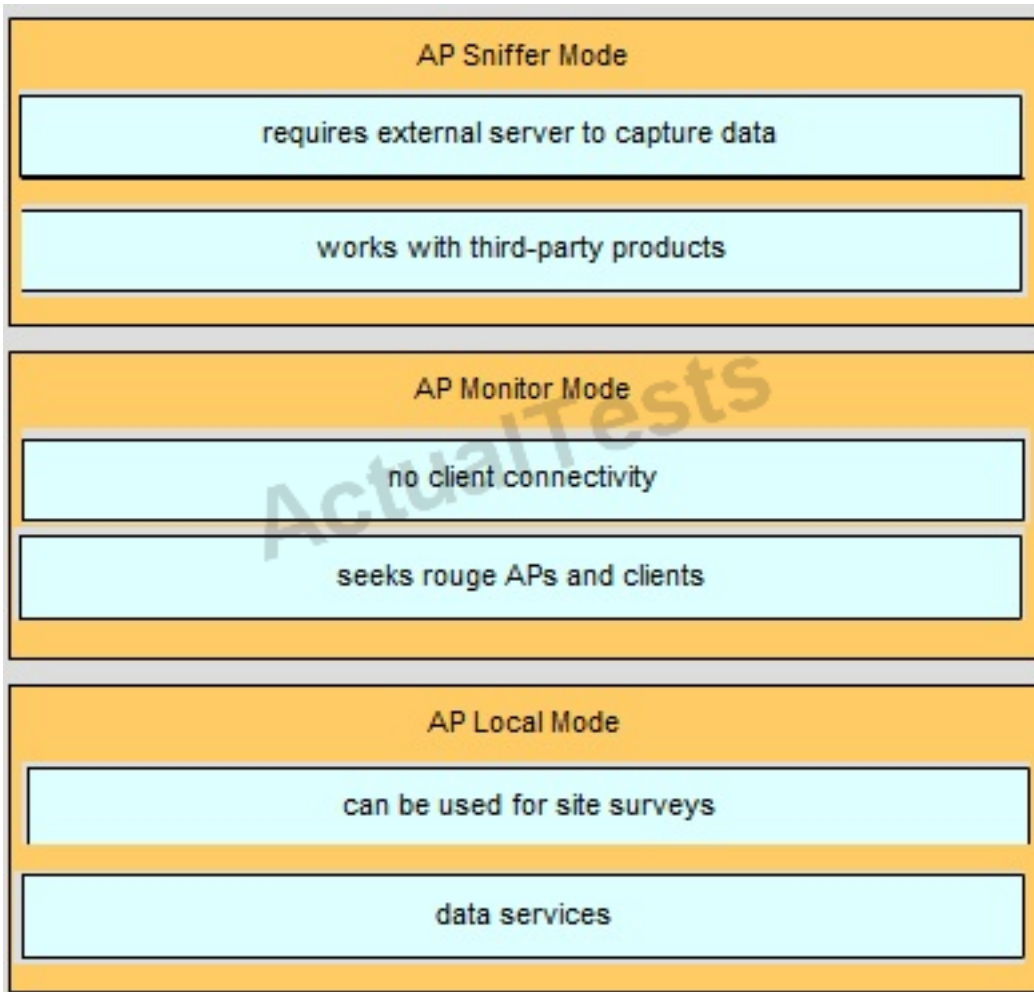
Characteristics	AP Sniffer Mode	AP Monitor Mode	AP Local Mode
can be used for site surveys	Target		
no client connectivity	Target		
seeks rouge APs and clients		Target	
requires external server to capture data		Target	
works with third-party products		Target	
data services			Target

Answer:

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.

Characteristics	AP Sniffer Mode	AP Monitor Mode	AP Local Mode
can be used for site surveys			can be used for site surveys
no client connectivity		no client connectivity	
seeks rouge APs and clients		seeks rouge APs and clients	
requires external server to capture data	requires external server to capture data		
works with third-party products	works with third-party products		
data services			data services

Explanation:

**QUESTION NO: 133 DRAG DROP**

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:

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

three boxes with gold shield

three boxes without gold shield

three boxes with gold star

three boxes without gold star

five bars with shield

five bars without shield

five bars with gold star

five bars without gold star

five bars with shield

five bars without shield

three boxes with gold shield

three boxes without gold shield

Explanation:

five bars with shield

five bars without shield

three boxes with gold shield

three boxes without gold shield

QUESTION NO: 134 DRAG DROP

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

40

45

50

60

70

Low

Medium

High

Answer:

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	

Explanation:

35
50
60

QUESTION NO: 135 DRAG DROP

Drag the features that are associated with Cisco Compatible Extensions Lite from the left and drop them in the appropriate category on the right.

Wi-Fi Multimedia	Foundation
link test	Target
management frame protection	Target
expedited bandwidth request	Target
PEAP-GTC	Voice
WPA2	Target
	Target
	Management
	Target

Answer:

Drag the features that are associated with Cisco Compatible Extensions Lite from the left and drop them in the appropriate category on the right.

Features	Categories
Wi-Fi Multimedia	Foundation
link test	Foundation
management frame protection	Foundation
expedited bandwidth request	Foundation
PEAP-GTC	Foundation
WPA2	Foundation
	Voice
	Management

Explanation:

Category	Features
Foundation	management frame protection PEAP-GTC WPA2
Voice	Wi-Fi Multimedia expedited bandwidth request
Management	link test

QUESTION NO: 136 DRAG DROP

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:

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.	

Explanation:

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

QUESTION NO: 137 DRAG DROP

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:

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

Explanation:

Delete
Clear
Acknowledge

QUESTION NO: 138 DRAG DROP

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

Executive Summary	CleanAir
Configuration Audit	Devices
Inventory	Compliance
Security Risk Interferers	Network Summary

Answer:

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

Explanation:

Security Risk Interferers
Inventory
Configuration Audit
Executive Summary

QUESTION NO: 139 DRAG DROP

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

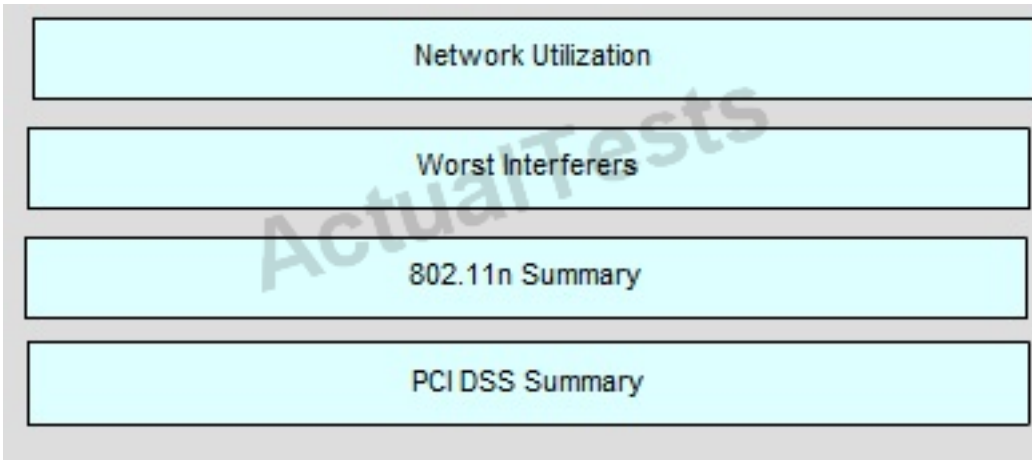
Worst Interferers	Performance
Network Utilization	CleanAir
PCI DSS Summary	Network Summary
802.11n Summary	Compliance

Answer:

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

Explanation:

**QUESTION NO: 140 DRAG DROP**

Drag the commands on the left that are enabled during a SSH or Telnet session with a lightweight AP and drop them on the right.

config terminal	Target
debug	Target
show	Target
enable	
clear	
delete	
reload	
upgrade	

Answer:

Drag the commands on the left that are enabled during a SSH or Telnet session with a lightweight AP and drop them on the right.

config terminal	debug
debug	show
show	enable
enable	
clear	
delete	
reload	
upgrade	

Explanation:

debug

show

enable