

Cisco.200-355.v2018-08-12.q317

Exam Code:	200-355
Exam Name:	Implementing Cisco Wireless Network Fundamentals
Certification Provider:	Cisco
Free Question Number:	317
Version:	v2018-08-12
# of views:	910
# of Questions views:	86105
https://www.freecram.net/torrent/Cisco.200-355.v2018-08-12.q317.html	

NEW QUESTION: 1

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

System Monitoring --Allows users to monitor WCS operations.

ConfigManagers --Allows users to monitor and configure WCS operations.

Admin --Allows users to monitor and configure WCS operations and perform all system administration tasks except administering WCS user accounts and passwords.

SuperUsers --Allows users to monitor and configure WCS operations and perform all system administration tasks including administering WCS user accounts and passwords. Superusers tasks can be changed. North bound API --A user group used only with WCS Navigator.

Users Assistant --Allows only local net user administration. User assistants cannot configure or monitor controllers. They must access the Configure > Controller path to configure these local net features.

NEW QUESTION: 2

What suite of algorithms results in slower connection rates when using 802.11N technology?

- A. WPA2
- B. CCMP
- C. TKIP
- D. AES

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 3

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Most clients enable you to associate to a detected network (broadcasted SSID) or configure a specific profile. In all cases, you must configure the network name (SSID), the operating mode (ad-hoc or infrastructure), and some security settings (that will be different depending on whether the SSID uses Pre- Shared Key Security or Enterprise [EAP/802.1x] security).

NEW QUESTION: 4

Which wireless topology supports roaming?

- A. IBSS
- B. BSS
- C. ESS
- D. bridging

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 5

A customer wants to deploy Cisco Cloud Wireless architecture with 802.11ac capabilities. Which two access points would meet the customer's 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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 6

DRAG DROP

Match the interface description on the left with the appropriate interface on the right.

Select and Place:

Designed to be analogous to VLANs for wireless LAN client device	AP Manager
The only port that is active when the controller is in boot mode	Dynamic
This interface is the only consistency “pingable” in-band interface IP address on the Cisco WLC	Management
Used for Layer 3 communications between the Cisco WLC and the lightweight access points	Service Port
Used to support mobility management, DHCP relay, and guest web authentication	Virtual

Answer:

	Used for Layer 3 communications between the Cisco WLC and the lightweight access points
	Designed to be analogous to VLANs for wireless LAN client device
	Used to support mobility management, DHCP relay, and guest web authentication
	The only port that is active when the controller is in boot mode
	This interface is the only consistency “pingable” in-band interface IP address on the Cisco WLC

NEW QUESTION: 7

Instructions:

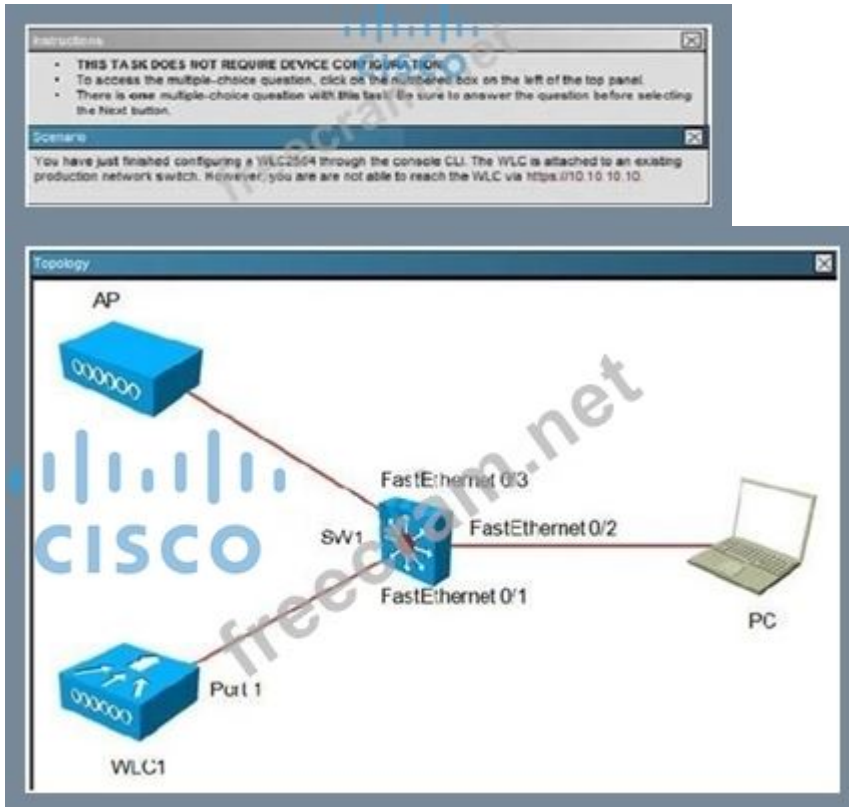
THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION

To access the multiple-choice questions, 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:

You have just finished configuring a WLC2504 through the console CLI. The WLC is attached to an existing production network switch. However, you are not able to reach the WLC via <https://10.10.10.10>.



SW1 Show Run

```
SW1#sh run
Building configuration...

Current configuration : 4584 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 10.10.10.50
ip dhcp excluded-address 192.168.14.1 192.168.14.50
ip dhcp excluded-address 192.168.25.1 192.168.25.50
ip dhcp excluded-address 172.16.12.1 172.16.12.50
ip dhcp excluded-address 172.16.23.1 172.16.23.50
!
ip dhcp pool vlan1
  network 10.10.10.0 255.255.255.0
  default-router 10.10.10.1
!
ip dhcp pool vlan40
  network 192.168.14.0 255.255.255.0
  default-router 192.168.14.1
!
ip dhcp pool vlan50
  network 192.168.25.0 255.255.255.0
  default-router 192.168.25.1
!
ip dhcp pool vlan20
  network 172.16.12.0 255.255.255.0
  default-router 172.16.12.1
!
ip dhcp pool vlan30
  network 172.16.23.0 255.255.255.0
  default-router 172.16.23.1
```

```

no ip domain-lookup

spanning-tree mode pvst
spanning-tree extend system-id

vlan internal allocation policy ascending

interface FastEthernet0/1
description VLG1
switchport trunk encapsulation dot1q
switchport mode trunk

interface FastEthernet0/2
description PC
switchport mode access
spanning-tree portfast

interface FastEthernet0/3
description AP
switchport mode access
spanning-tree portfast

```

```

R1#show int faste0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: trunk
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: On
Access Mode VLAN: 1 (default)
Trunking Native Mode VLAN: 1 (default)
Administrative Native VLAN tagging: enabled
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk Native VLAN tagging: enable
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk associations: none
Administrative private-vlan trunk mappings: none
Operational private-vlan: none
Trunking VLANs Enabled: ALL
Trunking VLANs Enabled: 2-1002
Port Mode Disabled
Port Mode VLANs: Allowed: ALL

Protected: false
Unknown unicast blocked: disabled
Unknown multicast blocked: disabled
Pollance trust: none

```

```

ip classless
ip http server
ip http secure-server
!
ip sla enable reaction-alerts
!
!
line con 0
line vty 0 4
  password cisco
  login
line vty 5 15
  login
!
end

```

SW1 Show VLAN

SW1#show vlan brief

VLAN	Name	Status	Ports
1	default	active	fa0/2, fa0/3, fa0/4, Gi0/1 Gi0/2
20	vlan20	active	fa0/5, fa0/6
30	vlan30	active	fa0/7, fa0/8
40	vlan40	active	fa0/9, fa0/10
50	vlan50	active	fa0/11, fa0/12
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	

SW1#

SW1 Show interface

```
SW1#sh int faste0/1
FastEthernet0/1 is up, line protocol is up (connected)
Hardware is Fast Ethernet, address is 2c36.f866.a701 (bia 2c36.f866.a701)
Description: WLC1
MTU 1500 bytes, BW 100000 kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Full-duplex, 100Mb/s, media type is 10/100BaseTX
input flow-control is off, output flow-control is unsupported
ARP type: ARPA, ARP Timeout: 04:00:00
Last input 00:00:05, output 00:00:00, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 1000 bits/sec, 3 packets/sec
15220 packets input, 5667664 bytes, 0 no buffer
Received 9/8 broadcasts (7/6 multicasts)
0 runts, 0 giants, 0 throttles
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
0 watchdog, 750 multicast, 0 pause input
0 input packets with dribble condition detected
108786 packets output, 10214445 bytes, 0 underruns
0 output errors, 0 collisions, 1 interface resets
0 babble, 0 late collision, 0 deferred
0 lost carrier, 0 no carrier, 0 pause output
0 output buffer failures, 0 output buffers swapped out
```

SW1#

```
WLC1 - Setup
System Name [Cisco_e0:52:04] (31 characters max): WLC1
Enter Administrative User Name (24 characters max): admin
Enter Administrative Password (3 to 24 characters): *****
Re-enter Administrative Password : *****

Management Interface IP Address: 10.10.10.10
Management Interface Netmask: 255.255.255.0
Management Interface Default Router: 10.10.10.1
Management Interface VLAN Identifier (0 - untagged): 1
Management Interface Port Num (1 to 4): 1
Management Interface DHCP Server IP Address: 10.10.10.1

Virtual Gateway IP Address: 192.0.2.1

Mobility/RP Group Name: Mobility

Network Name (SSID): ExamSSID

Configure DHCP Bridging Mode [yes][no]:
Allow Static IP Addresses [YES][no]:

Configure a RADIUS Server now? [YES][no]: no
Warning! The default WLAN security policy requires a RADIUS server.
Please see documentation for more details.

Enter Country Code list (enter 'help' for a list of countries) [US]:

Enable 802.11b Network [YES][no]: no
Enable 802.11a Network [YES][no]: yes
Enable Auto-RP [YES][no]: yes

Configure a NTP server now? [YES][no]: no
Configure the system time now? [YES][no]: no

Warning! No AP will come up unless the time is set.
Please see documentation for more details.

Configuration correct? If yes, system will save it and reset. [yes][no]: yes

.....reboot info deleted.....

User: admin
Password:*****
<Cisco Controller> >ping 10.10.10.1

Send count=3, Receive count=0 from 10.10.10.1

<Cisco Controller> >
```

Which change can correct inband access to the WLC?

- A. change the switch FastEthernet0/1 duplex setting
- B. change the switch FastEthernet0/1 speed setting
- C. enable the switch FastEthernet0/1 spanning-tree port-fast trunk
- D. change the switch FastEthernet0/1 trunk encapsulation
- E. change the WLC management interface to use DHCP
- F. change the WLC management interface VLAN
- G. change the WLC configuration of NTP
- H. browse to WLC via http://10.10.10.10

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

All of the other ports in the network are using the default VLAN (VLAN 1) but port 0/1, which connects to the WLC, is configured as a trunk, so VLAN 1 is not operational.

```
W1 Show Run
vlan internal allocation policy ascending

interface FastEthernet0/1
description WLC1
switchport trunk encapsulation dot1q
switchport mode trunk

W1 Show VLAN
SW1#show vlan brief

VLAN Name                Status    Ports
-----
1    default                active    Fa0/2, Fa0/3, Fa0/4, Gi0/1
20   vlan20                  active    Fa0/5, Fa0/6
30   vlan30                  active    Fa0/7, Fa0/8
40   vlan40                  active    Fa0/9, Fa0/10
50   vlan50                  active    Fa0/11, Fa0/12
1002 fddi-default            act/unsup
1003 token-ring-default    act/unsup
1004 fddinet-default       act/unsup
1005 trnet-default         act/unsup
SW1#

interface FastEthernet0/6
switchport access vlan 20
switchport mode access
spanning-tree portfast

interface FastEthernet0/7
switchport access vlan 30
switchport mode access
spanning-tree portfast

interface FastEthernet0/8
switchport access vlan 30
switchport mode access

User: admin
Password:*****
<Cisco Controller> >ping 10.10.10.1
```

NEW QUESTION: 8

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 9

Refer to the exhibit.



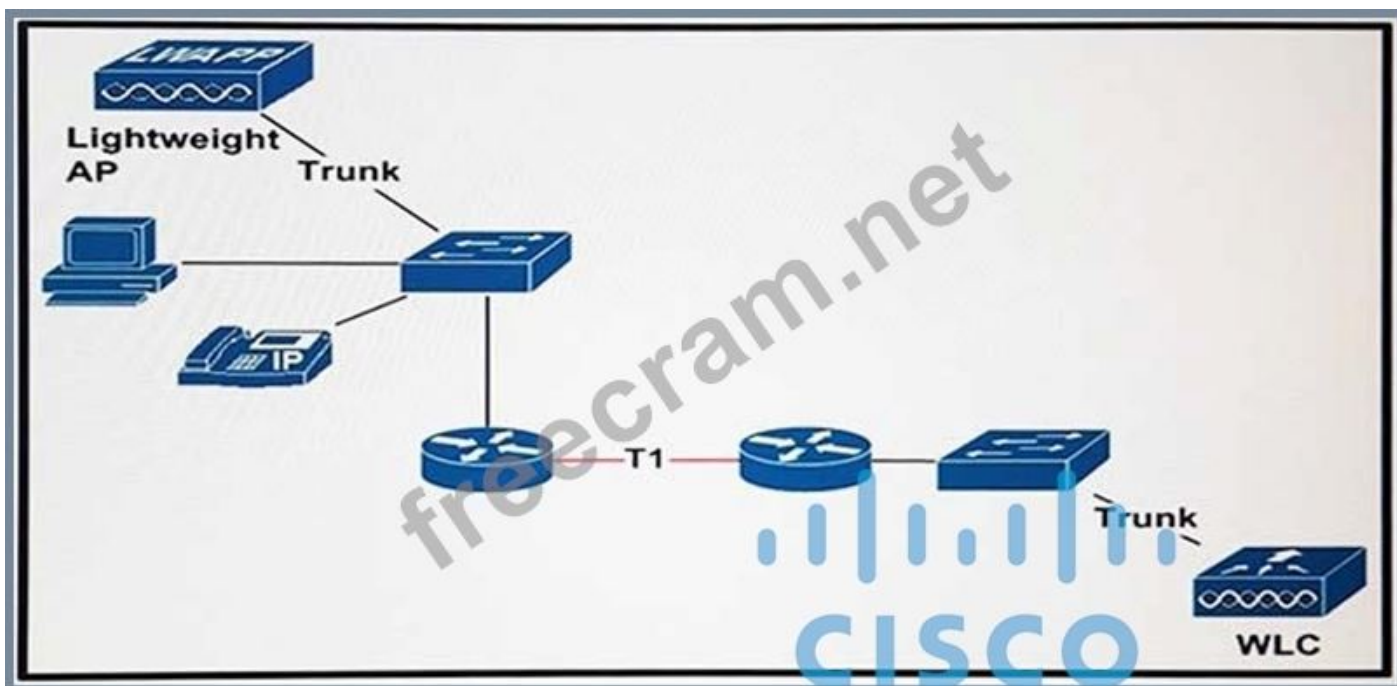
Which option is the received signal power level at the receiver?

- A. -45
- B. -40.72
- C. -49.28
- D. -46

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

An engineer needs an AP with at least two spatial streams, four receivers, and three transmitters. Which device meets these requirements?

- A. 2x4:3
- B. 2x3:4
- C. 4x3:2
- D. 3x4:2

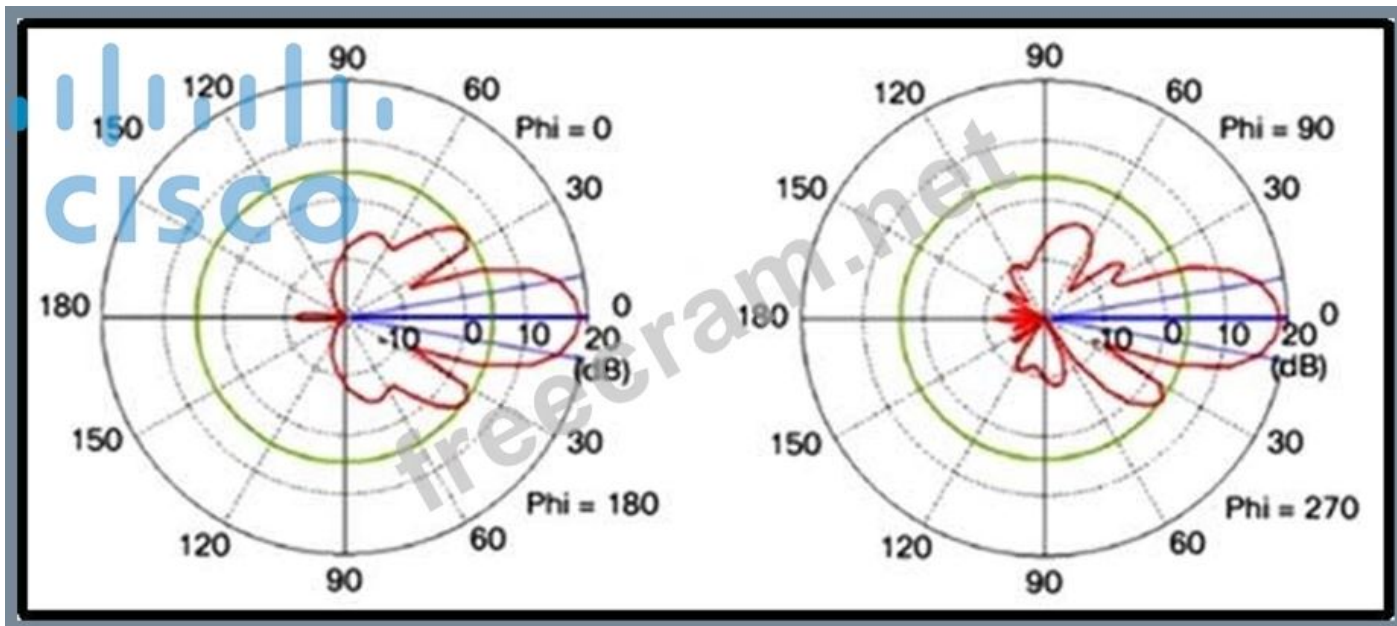
Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 12

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 13

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 14

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

A. 10

B. 1

C. 5

D. 8

Answer: B (LEAVE A REPLY)

NEW QUESTION: 15

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 (LEAVE A REPLY)

Explanation/Reference:

Explanation:

Example debugs available for this shown below:

WLC side debug commands:

(Cisco Controller) >debug capwap?

<https://mrnciew.files.wordpress.com/2013/03/brkewn-3011-troubleshooting-wireless-lans.pdf>

NEW QUESTION: 16

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

RLDP is an active approach, which is used when rogue AP has no authentication (Open Authentication)

configured. This mode, which is disabled by default, instructs an active AP to move to the rogue channel and connect to the rogue as a client. During this time, the active AP sends deauthentication messages to all connected clients and then shuts down the radio interface. Then, it will associate to the rogue AP as a client.

The AP then tries to obtain an IP address from the rogue AP and forwards a User Datagram Protocol (UDP) packet (port 6352) that contains the local AP and rogue connection information to the controller through the rogue AP. If the controller receives this packet, the alarm is set to notify the network administrator that a rogue AP was discovered on the wired network with the RLDP feature.

<https://supportforums.cisco.com/discussion/10941011/rd-rogue-detector-or-rldp-rogue-location-discovery-protocol>

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NEW QUESTION: 17

Which three configuration elements must match for a client to successfully associate to a standalone AP?

(Choose three.)

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

Answer: (SHOW ANSWER)

NEW QUESTION: 18

What does RF determine?

- A. cycle pattern size
- B. how often a wave occurs
- C. signal size
- D. quantity of energy injected in a signal

Answer: B (LEAVE A REPLY)

Explanation/Reference:

Explanation:

RF communication works by creating electromagnetic waves at a source and being able to pick up those electromagnetic waves at a particular destination. These electromagnetic waves travel through the air at near the speed of light. The wavelength of an electromagnetic signal is inversely proportional to the frequency; the higher the frequency, the shorter the wavelength.

<http://www.digi.com/technology/rf-articles/rf-basic>

NEW QUESTION: 19

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 20

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 is two 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.

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

```

graph LR
    AP[AP] --- SW1[SW1]
    SW1 --- WLC1[WLC1]
    style AP fill:#0070C0,color:#fff
    style SW1 fill:#0070C0,color:#fff
    style WLC1 fill:#0070C0,color:#fff
  
```

02.11a in 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 ☒
Antenna D ☒

RF Channel Assignment

Current Channel 149
Channel Width * 20 MHz
* Channel width can be configured only when channel configuration mode
Assignment Method Global

Tx Power Level Assignment

Current Tx Power Level 4
Assignment Method 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 some clients.

WLC 802.11b/g/n AP

802.11b/g/n Cisco APs > Configure

General

AP Name: AP442b.036d.4d0f

Admin Status:

Operational Status: UP

Slot #: 0

11n Parameters

11n Supported: Yes

ClientLink: ☐

CleanAir

CleanAir Capable: No

CleanAir Admin Status:

Antenna Parameters

Antenna Type: Internal

A	☒
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

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

Syslog Configuration

Syslog Server IP Address:

Syslog Server

10.10.10.25 [Remove](#)

Syslog Level:

Syslog Facility:

Msg Log Configuration

Buffered Log Level:

Console Log Level:

File Info: ☒

Trace Info: ☒

Which four levels of messages will be sent to the logging server? (Choose four.)

- A. alerts
- B. critical
- C. debugging
- D. emergencies
- E. errors
- F. informational

G. notifications

H. warnings

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

There are a total of 8 logging severity levels. They are:

	emergencies	System is unusable.
	alert	Immediate action is needed.
	critical	Critical conditions.
	error	Error conditions.
	warning	Warning conditions.
	notification	Normal but significant conditions.
	informational	Informational messages only.
	debugging	Debugging messages only.

We can see from the output that the severity level was set to Critical, which means that all messages level

3 and less will be sent.

NEW QUESTION: 21

DRAG DROP

About SPLIT MAC design. Drag each description on the left to the appropriate term on the right.

Select and Place:

Transmit Beacons

Client Authentication

Encryption/Decryption

RF Management

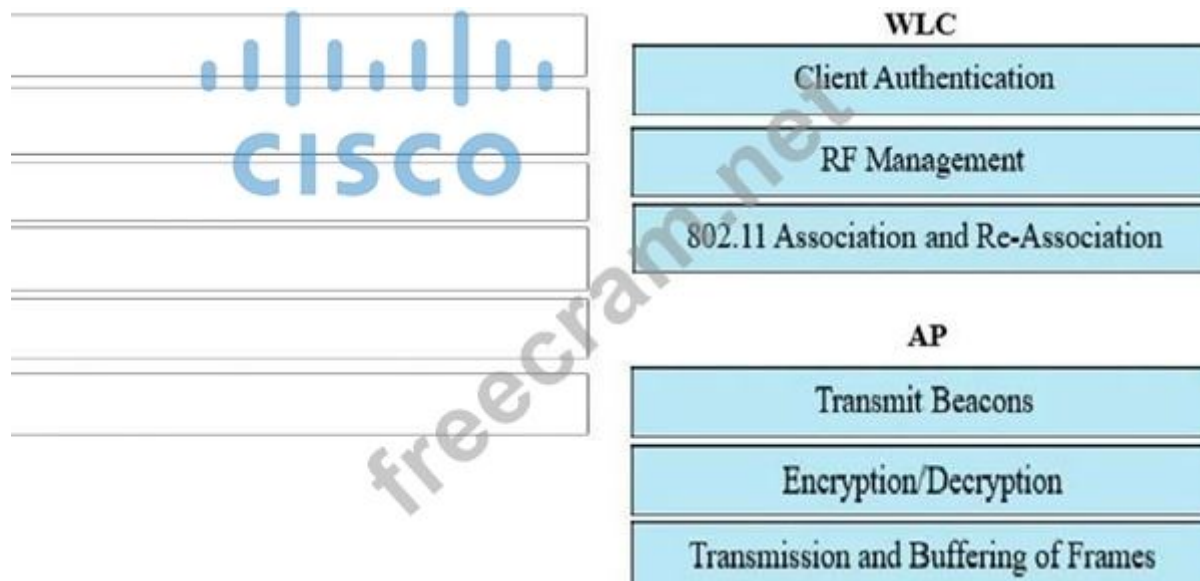
Transmission and Buffering of Frames

802.11 Association and Re-Association

WLC

AP

Answer:



NEW QUESTION: 22

What is the channel width of an 802.11b wireless channel?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 24

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

Wi-Fi Protected Access (WPA) and Wi-Fi Protected Access II (WPA2) are two security protocols and security certification programs developed by the Wi-Fi Alliance to secure wireless computer networks.

http://en.wikipedia.org/wiki/Wi-Fi_Protected_Access

NEW QUESTION: 25

A company has all IEEE 802.11a/802.11g devices; however, its network administrator recommends installing 802.11n access points to provide greater performance. Which feature on an 802.11n AP provides better performance to legacy devices?

- A. channel aggregation
- B. transmit beam-forming
- C. maximal-ratio combining
- D. spatial multiplexing

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 26

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 27

Which two types of encryption does Windows support for WPA2 security for wireless connections?

(Choose two.)

A. AES

B. DES

C. PGP

D. TKIP

E. WEP

Answer: A,D (LEAVE A REPLY)

Explanation/Reference:

Explanation:

TKIP and AES are two different types of encryption that can be used by a Wi-Fi network. TKIP stands for "Temporal Key Integrity Protocol." It was a stopgap encryption protocol introduced with WPA to replace the very-insecure WEP encryption at the time. TKIP is actually quite similar to WEP encryption. TKIP is no longer considered secure, and is now deprecated. In other words, you shouldn't be using it.

AES stands for "Advanced Encryption Standard." This was a more secure encryption protocol introduced with WPA2, which replaced the interim WPA standard. AES isn't some creaky standard developed specifically for Wi-Fi networks; it's a serious worldwide encryption standard that's even been adopted by the US government. For example, when you encrypt a hard drive with TrueCrypt, it can use AES encryption for that. AES is generally considered quite secure, and the main weaknesses would be brute-force attacks (prevented by using a strong passphrase) and security weaknesses in other aspects of WPA2.

<http://www.howtogeek.com/204697/wi-fi-security-should-you-use-wpa2-aes-wpa2-tkip-or-both/>

NEW QUESTION: 28

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 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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

<http://www.ciscopress.com/articles/article.asp?p=1271797&seqNum=2>

NEW QUESTION: 29

The new tablets for the sales department require an SNR of 18 or more to operate. Given a noise floor of -88 dBm, what is the minimum RSSI that is needed?

- A. -60 dBm
- B. -70 dBm
- C. -72 dBm
- D. -80 dBm
- E. -96 dBm
- F. -106 dBm

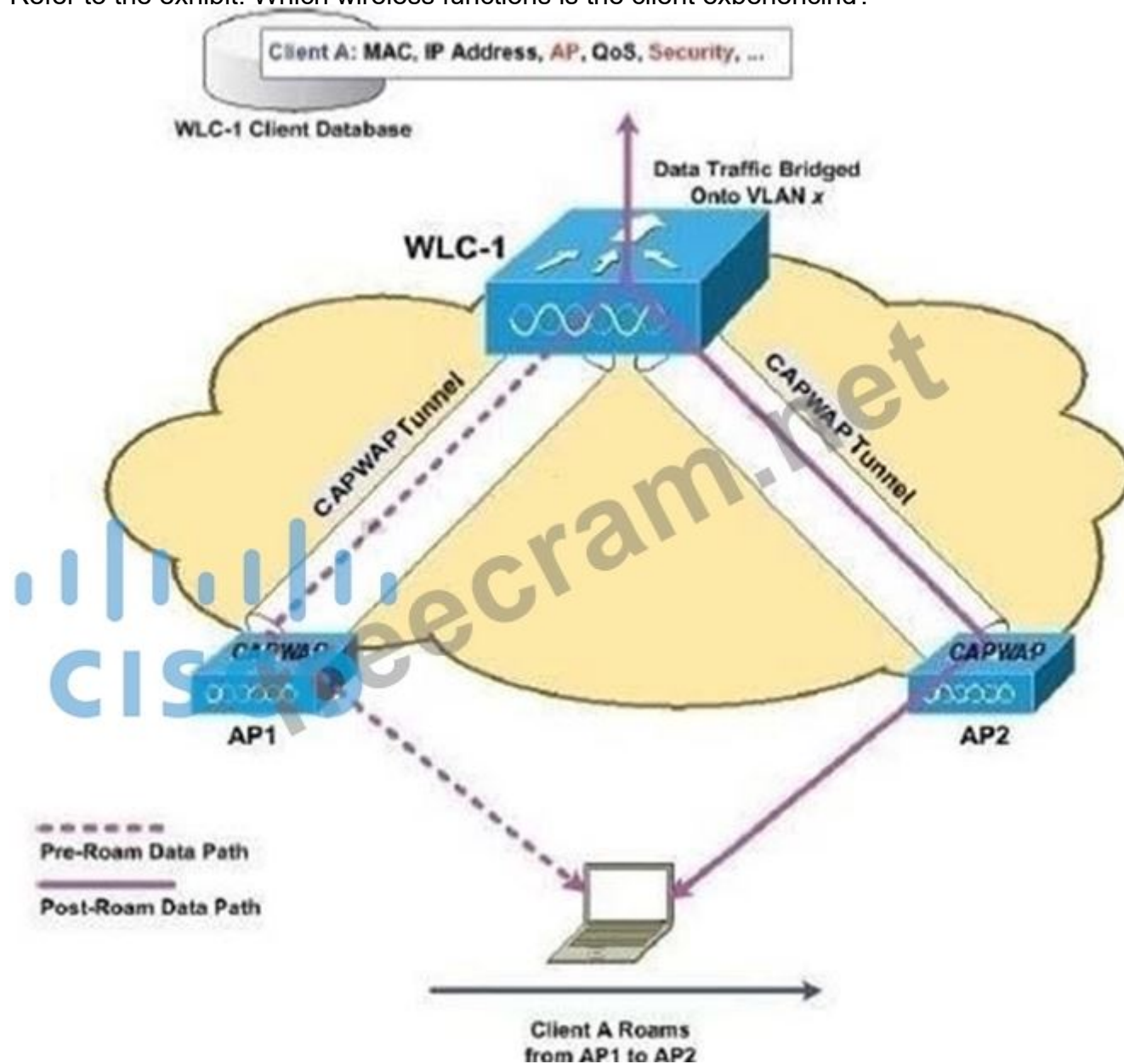
Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 30

Refer to the exhibit. Which wireless functions is the client experiencing?



- A. inter-subnet Roaming
 - B. Intra-controller Roaming
 - C. Layer 3 Roaming
 - D. inter-controller Roaming
- Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

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NEW QUESTION: 32

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 33

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 34

Which three primary components describe TKIP? (Choose three.)

A. dynamic WEP

B. WPA2 enterprise mode

C. per-packet key hashing

D. message integrity check

E. symmetric key cipher

F. broadcast key rotation

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

With MFP, all management frames are cryptographically hashed to create a Message Integrity Check (MIC). The MIC is added to the end of the frame (before the Frame Check Sequence (FCS)).

When MFP is enabled on one or more WLANs configured in the WLC, the WLC sends a unique key to each radio on each registered AP. Management frames are sent by the AP over the MFP-enabled WLANs.

These APs are labeled with a frame protection MIC IE. Any attempt to alter the frame invalidates the message, which causes the receiving AP that is configured to detect MFP frames to report the discrepancy to the WLAN controller.

<http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wlan-security/82196-mfp.html>

NEW QUESTION: 36

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 optional, WPA2 mandates AES

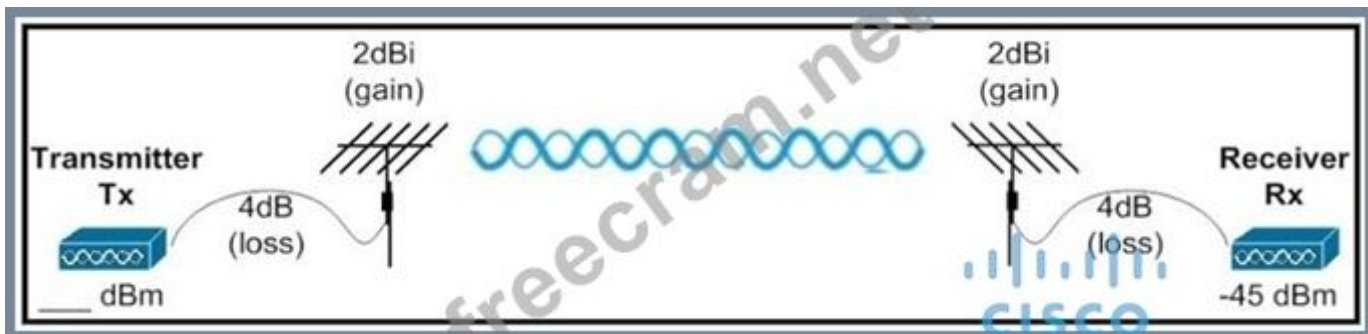
Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 37

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 (LEAVE A REPLY)

Explanation/Reference:

Explanation:

NEW QUESTION: 38

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 39

Refer to the exhibit.

Troubleshooting Client 'd4:17:6a:d4:75:17'

The screenshot shows the Cisco WCS Client Troubleshooting tool interface. At the top, there are five tabs: Summary, Log Analysis, Event History, ACS View Server, and Context Aware History. Below the tabs is a progress bar with four steps: 802.11 Association (green circle), IP Address Assignment (red circle), Web Authentication (white circle), and Successful Association (white circle). The 'Problem' section states: 'Client could not complete the dhcp interaction.' The 'Suggested Action' section lists several steps: 'Check whether the DHCP server is reachable.', 'Check whether dhcp server is configured to serve the WLAN.', 'Check whether dhcp scope is exhausted.', 'Check whether multiple dhcp servers are configured with overlapping scopes.', 'Check local dhcp server is present if dhcp bridging mode enabled (move it to second) client is configured to get address from dhcp server.', 'Check if client has static ip configured and ensure client generates ip traffic * if ipsec wlan, ensure that client is configured to do dhcp exchanges in open (safenet/netscreen default config does not include it).' A large 'CISCO' watermark is visible on the right side of the interface.

Which tool is shown?

- A. Cisco WCS client troubleshooting tool
- B. Cisco WLC client troubleshooting tool
- C. WLAN Client Debug Analyzer
- D. Cisco WLAN Connection Advisor

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

Please go through the link to understand more about the Cisco WCS Client Troubleshooting tool:

<http://www.cisco.com/web/techdoc/wcs/cleanair/client-troubleshooting/CleanAir-ClientTroubleshooting.html>

NEW QUESTION: 40

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Figure below illustrates one of the primary features of the architecture -- how Lightweight Access Point Protocol (LWAPP) access points (LAPs) use the LWAPP protocol to communicate with and tunnel traffic to a WLC.

http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/secwlandg20/sw2dg/ch4_2_SPMb.html

NEW QUESTION: 41

What is max power for an AP for all regulatory bodies?

- A. 10
- B. 8
- C. 1
- D. X

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 42

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The main components used in IUWNE are the Cisco AnyConnect Mobility Client itself, associated with

the Network Access Module (NAM) used to manage existing profiles and provide the wireless connectivity.

NEW QUESTION: 43

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 44

A wireless engineer is designing a network for the London branch of a company. Which 5-GHz band allows the branch to use the highest EIRP?

- A. 2.4-GHz ISM
- B. UNII-1
- C. UNII-2
- D. UNII-2 Extended

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 45

Which two are considered as characteristics of the original 802.11 protocol? (Choose two.)

- A. The most common deployment is three non-overlapping channels that are 20 MHz wide.
- B. Designed to operate in the 5 GHz ISM frequency spectrum.
- C. The most common deployment is 6 non-overlapping channels that are 20 MHz wide.
- D. Defined FHSS and OFDM as possible methods for modulation.
- E. Defined DSSS and FHSS as possible methods for modulation.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

What authentication method requires a certificate on both the client and authentication server?

- A. PEAP
- B. EAP-TLS
- C. EAP-FAST
- D. WPA-PSK
- E. WEP
- F. EAP-TTLS

Answer: B (LEAVE A REPLY)

Explanation/Reference:

Explanation:

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NEW QUESTION: 47

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

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

Answer: (SHOW ANSWER)

NEW QUESTION: 48

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

On the Security tab, you can specify the following security types:

Based on the selected security type, you can configure either a network security key or specify and configure a network authentication method. If you specify WPA-Enterprise, WPA2-Enterprise, or 802.1x as your security type, you must configure the following (as shown in the previous figure):

Choose a network authentication method
Select an Extensible Authentication Protocol (EAP) method
and click Settings to configure the EAP type as needed.

Remember my credentials for this connection each time I'm logged on: Specifies that when the user

logs off, the user credential data is not removed from the registry. If you clear the checkbox, the next time the user logs on, he will be prompted for credentials (such as user name and password). If you specify the use of WPA-Personal or WPA2-Personal as your security type or No authentication (Open) or Shared as your security type with WEP as your encryption type, you must configure a network security key, as shown in Figure:



<https://technet.microsoft.com/en-us/magazine/ff847520.aspx>

NEW QUESTION: 49

Which two ports are used by default when configuring RADIUS for external authentication? (Choose two.)

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

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

NEW QUESTION: 51

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

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

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

PEAP is not an encryption protocol; as with other EAP types it only authenticates a client into a network. PEAP uses only server-side public key certificates to authenticate clients by creating an encrypted SSL/TLS tunnel between the client and the authentication server, which protects the ensuing exchange of authentication information from casual inspection.

<http://wiki.freeradius.org/protocol/EAP-PEAP>

NEW QUESTION: 52

Instructions:

Refer to the exhibits to answer the questions related to this task.

▪

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:

You are deploying a small wireless test network in a lab. The network is made up a wireless controller (WLC1), a dual radio access point (AP1) and a switch that is configured as a DHCP server. The IP subnet being used for this network is 10.10.10.0/24.



Monitor

Clients > Detail

Summary

- ▶ Access Points
- ▶ Cisco CleanAir
- ▶ Statistics
- ▶ CDP
- ▶ Regues
- Clients
- Multicast

Client Properties

MAC Address	00:1d:e3:46:f3:2d
IP Address	10.10.10.130
Client Type	Regular
User Name	
Port Number	1
Interface	management
VLAN ID	0
CCX Version	CCXv4
E2E Version	E2Ev1
Mobility Role	Local
Mobility Peer IP Address	N/A
Policy Manager State	RUN
Management Frame Protection	No
UpTime (Sec)	112
Power Save Mode	ON
Current TxRateSet	m15
Data RateSet	1.0,2.0,5.5,11.0,6.0,9.0,12.0,18.0,24.0,36.0,48.0,54.0

AP Properties

AP Address	3c:ce:73:6c:c6:d0
AP Name	AP1
AP Type	802.11bn
WLAN Profile	HoHo
Status	Associated
Association ID	1
802.11 Authentication	Open System
Reason Code	-
Status Code	0
CF Pollable	Not Implemented
CF Poll Request	Not Implemented
Short Preamble	Implemented
P3CC	Not Implemented
Channel Agility	Not Implemented
Timeout	1800
WEP State	WEP Disable

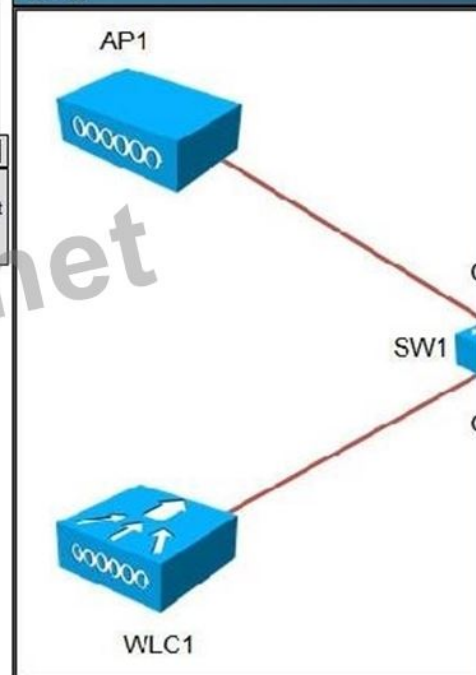
Instructions

- Refer to the exhibits to answer the questions related to this task.
- **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

You are deploying a small wireless test network in a lab. The network is made up of a wireless controller (WLC1), a dual radio access point (AP1) and a switch (SW1) that is configured as a DHCP server. The IP subnet being used for this network is 10.10.10.0/24.

Topology



Controller

Interfaces > Edit

General

Inventory

Interfaces

Interface Groups

Multicast

► Internal DHCP Server

► Mobility Management

Ports

► NTP

► 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

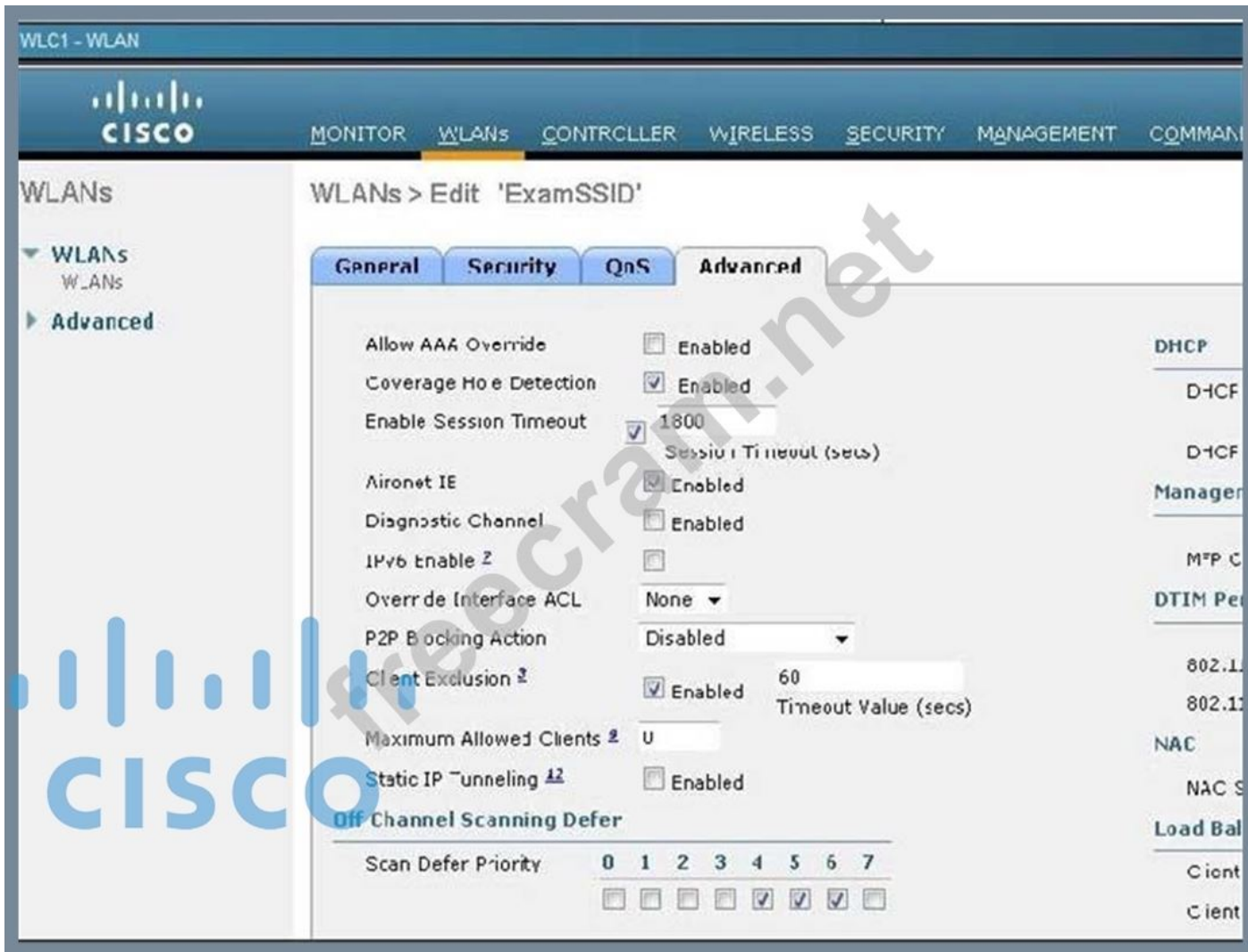
Primary DHCP Server	10.10.10.10
Secondary DHCP Server	10.10.10.1

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.

```
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
```



In setting up the wireless network, it is desired that the DHCP server that is configured in WLC1 provides IP addressing to the WLAN. When devices attempt to join the network, they fail to receive an IP address in the range provided by the DHCP server in WLC1, but they do receive an IP address from the DHCP server in SW1. What is causing this issue?

- A. The external DHCP server in SW1 will always be the preferred DHCP server and WLC1 will always be the secondary DHCP server in the WLAN.
- B. The DHCP server address for SW1 needs to be removed from the DHCP server configuration in WLC1.
- C. The primary DHCP server address in WLC1 is incorrect.
- D. The primary DHCP server configured in WLC1 is not enabled.

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

This can be verified by the following screen shot, showing the DHCP server is disabled at the bottom:

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		

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.

AP Properties

AP Address

AP Name

AP Type

WLAN Profile

Status

Association ID

802.11 Auth

Reason Code

Status Code

CF Pollable

CF Poll Request

Short Preamble

PSCC

Channel Agil

Timeout

WEP State

NEW QUESTION: 53

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

AirPort (for 802.11b) and AirPort Extreme (for 802.11b/g/n or 802.11a/b/g/n) are WLAN configuration utilities from Apple. The utility allows the creation of network profiles, association to detected networks, and advanced configuration and troubleshooting. The wireless card can be disabled or enabled from the utility main window.

NEW QUESTION: 54

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.

Select and Place:

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

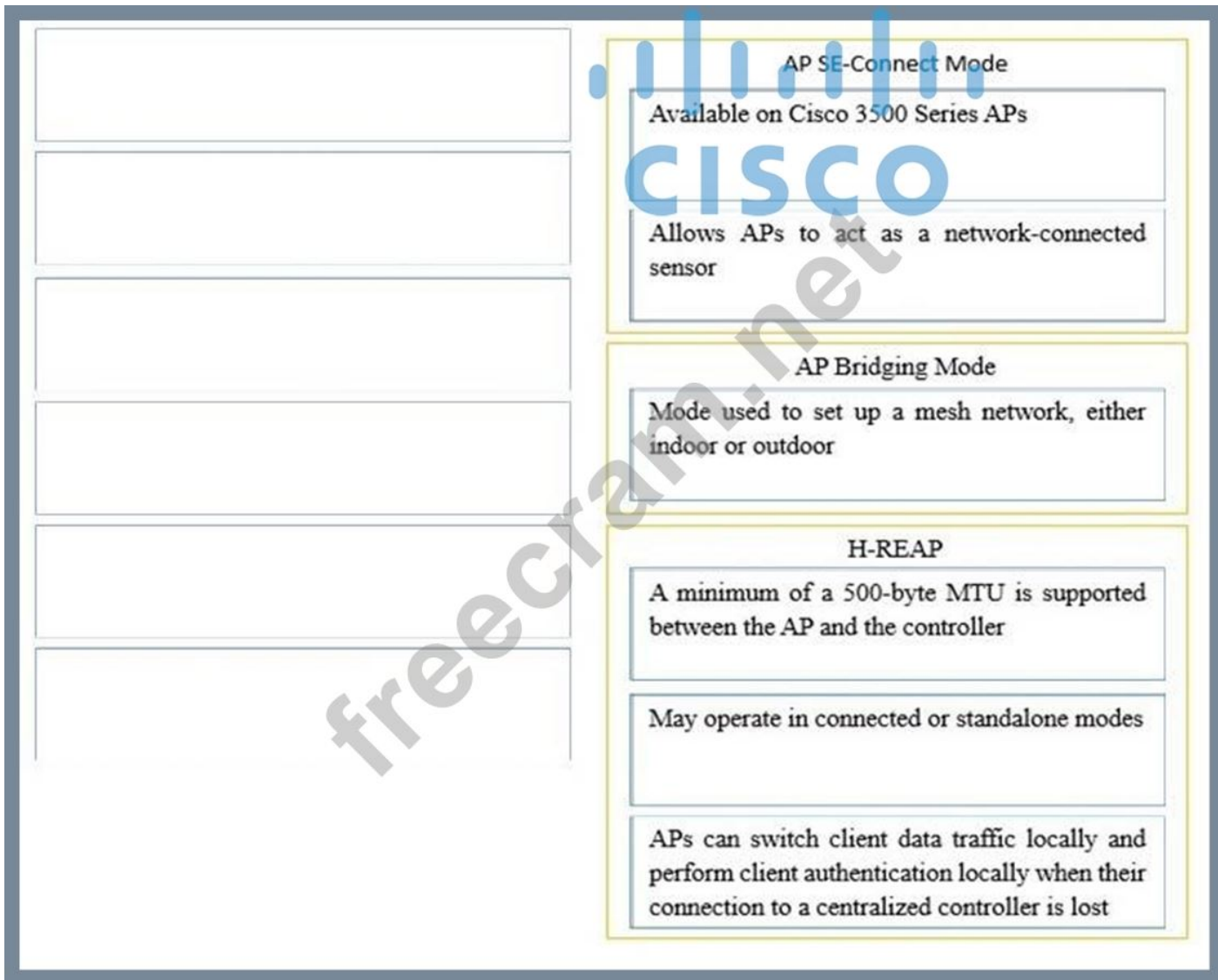
AP SE-Connect Mode

AP Bridging Mode

H-REAP



Answer:



NEW QUESTION: 55

A customer wants to deploy a mesh network with 2 root access points and 10 mesh access points. The root access points should be configured as which mode on the WLC?

- A. mesh
- B. FlexConnect
- C. bridge
- D. rouge detection
- E. sniffer

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 56

An engineer is conducting an active survey for indoor coverage in a warehouse. The warehouse has long aisles with racks that extend to the ceiling. Which antenna type has a radiation pattern that is suited to provide coverage in each aisle?

- A. Yagi

- B. patch
- C. omnidirectional
- D. dipole

Answer: B ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 57

An engineer wants to set up WPA2 Enterprise using EAP-TLS and a remote RADIUS server. Which device (s) does the engineer specify the EAP type on?

- A. the authentication server only
- B. the supplicant and authentication server
- C. the authenticator and authentication server
- D. the supplicant and authenticator

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 58

Which encryption algorithm does WPA use?

- A. RC4
- B. DES
- C. AES
- D. DH5

Answer: ([SHOW ANSWER](#)**)**

Explanation/Reference:

Explanation:

The RC4 Encryption Algorithm, developed by Ronald Rivest of RSA, is a shared key stream cipher algorithm requiring a secure exchange of a shared key. The symmetric key algorithm is used identically for encryption and decryption such that the data stream is simply XORed with the generated key sequence.

The algorithm is serial as it requires successive exchanges of state entries based on the key sequence. Hence implementations can be very computationally intensive. The RC4 encryption algorithm is used by standards such as IEEE 802.11 within WEP (Wireless Encryption Protocol) using 40 and 128-bit keys. Published procedures exist for cracking the security measures as implemented in WEP.

<http://www.vocal.com/cryptography/rc4-encryption-algorithm/>

NEW QUESTION: 59

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 60

A network engineer is configuring a WLC running Cisco AireOS 8.0.100.0 for a company that uses IPv6. Which two interfaces can be configured with an IPv6 address? (Choose two.)

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 61

What protocol overcomes the weaknesses of LEAP?

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

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NEW QUESTION: 62

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 63

Which two access point modes support infrastructure MFP? (Choose two.)

- A. rogue detector
- B. local
- C. sniffer
- D. bridge
- E. FlexConnect

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 64

Refer to the exhibit.

General Security QoS Policy-Mapping

Layer 2 Layer 3 AAA Servers

Layer 2 Security **6** WPA+WPA2

MAC Filtering **2** ☐

Fast Transition

Fast Transition ☐

Protected Management Frame

PMF Disabled

WPA+WPA2 Parameters

WPA Policy ☐

WPA2 Policy-AES ☒

Authentication Key Management

802.1X	☐ Enable
CCKM	☐ Enable
PSK	☒ Enable
FT 802.1X	☐ Enable
FT PSK	☐ Enable

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 65

Which three operations does the lightweight access point manage in a split-MAC design? (Choose three.)

- A. association and re-association
- B. frame exchange and client handshake
- C. beacons and probe responses
- D. MAC layer data encryption and decryption
- E. authentication and key management
- F. RF and mobility management

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

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

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

NEW QUESTION: 67

What are the channels you need to avoid not to have interference with DFS channels? (Choose three.)

- A. 52
- B. 136
- C. 124
- D. 161

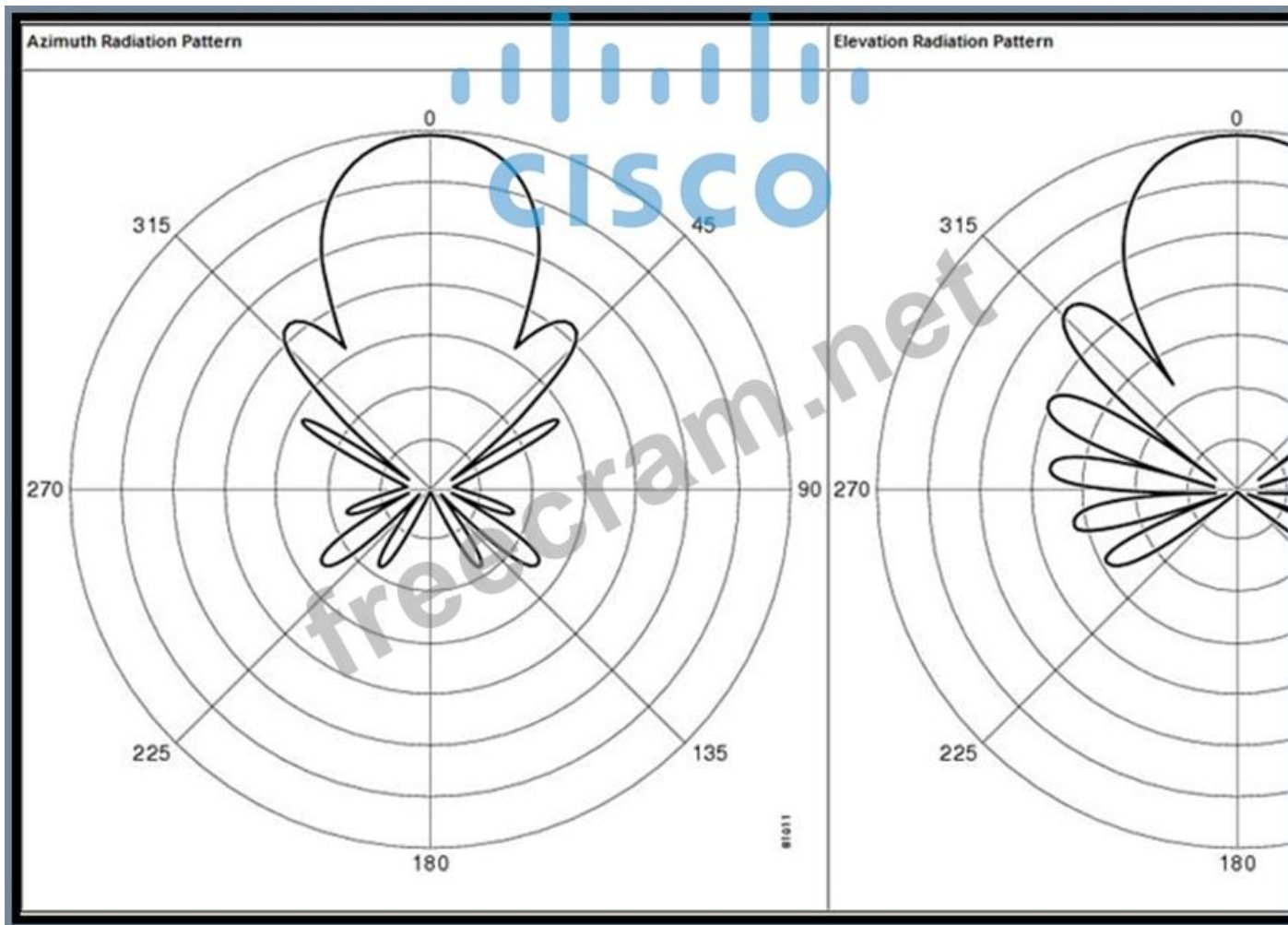
Answer: B,C,D ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 68

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 69

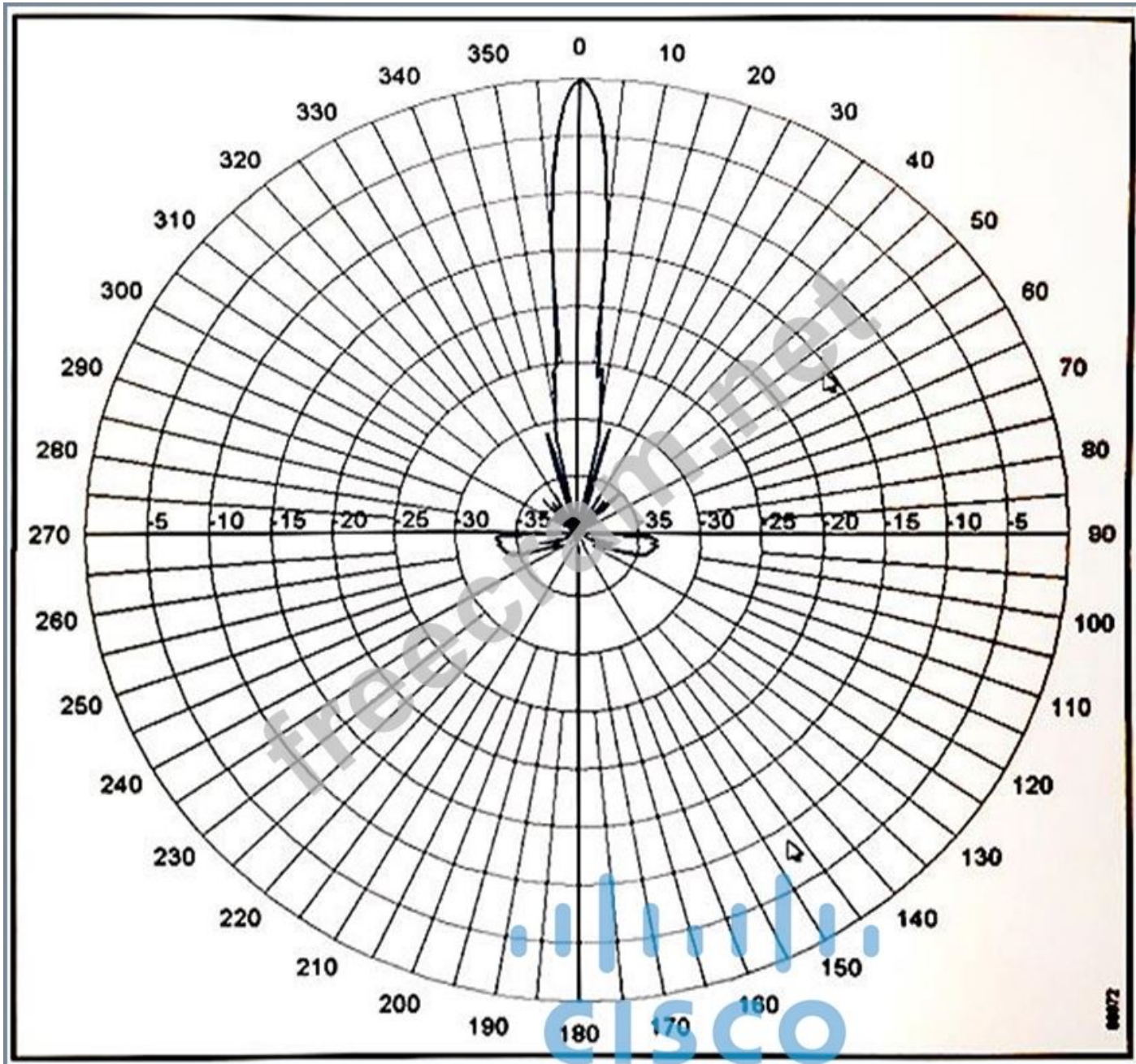
Which CAPWAP AP management-access method is available as the default setting?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 70

Refer to the exhibit.



Which type of antenna does the H-plane pattern show?

- A. directional dish
- B. diversity patch
- C. vertically polarized sector
- D. dipole

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 71

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 72

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 73

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. Which option explains why the access points are 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 ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 74

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

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

E. debug dot11

Answer: D,E ([LEAVE A REPLY](#))

NEW QUESTION: 75

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: D,F ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 76

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 ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

spread-spectrum techniques are methods by which a signal with a particular bandwidth is deliberately spread in the frequency domain, resulting in a signal with a wider bandwidth. Spread spectrum generally makes use of a sequential noise- like signal structure to spread the normally narrowband information signal over a relatively wideband (radio) band of frequencies.

http://en.wikipedia.org/wiki/Spread_spectrum

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NEW QUESTION: 77

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 78

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 79

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 is two multiple-choice question with this task. Be sure to answer the question 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.

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

```

graph LR
    AP[AP] --- SW1[SW1 Gig 0/1]
    WLC1[WLC1 Gig 0/10] --- SW1
  
```

802.11a/n Cisco APs > Configure

General

AP Name AP442b.036d.4d0f

Admin Status

Operational Status UP

Slot # 1

11n Parameters

11n Supported ☒ Yes

ClientLink ☐

CleanAir

CleanAir Capable No

CleanAir Admin Status

Antenna Parameters

Antenna Type

Antenna A ☒

Antenna D ☒

Antenna C ☒

RF Channel Assignment

Current Channel 149

Channel Width *

* 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

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 802.11bgn 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:

Antenna Parameters

Antenna Type:

Antenna: A ☒ B ☒ C ☒

RF Channel Assignment

Current Channel: 11

Channel Width:

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

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:

Syslog Facility:

Msg Log Configuration

Buffered Log Level:

Console Log Level:

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

From the output, we can see the current power level setting for the 802.11 bgn (2.4Ghz tab) is set at 5. Based on the following table from Cisco, that would mean the output power is 3 mW:

Available Output Power Levels

Controller Tx Power Settings ¹	Radio Output Power	
	802.11b (mW)	802.11g (mW)
1 (maximum) ²	50	30
2	25	15
3	12	8
4	6	4
5	3	2
6	2	1
7	-1	-
8		-

Here is the power conversion table to go from mW to 3bm:

Power Conversion Table					
mW	dBm	mW	dBm	mW	dBm
200	23	40	16	8	9
150	22	30	15	6	8
125	21	25	14	5	7
100	20	20	13	4	6
80	19	15	12	3	5
60	18	12	11	2	4
50	17	10	10	1	-1

So, with a power level setting of 5, the output power is 3mW, or 5 dbm. A power level of 4 would increase it to 6mW, or 8 dbm.

NEW QUESTION: 80

DRAG DROP

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

Select and Place:

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

Answer:

	Network Utilization
	Worst Interferers
	802.11n Summary
	PCI DSS Summary

NEW QUESTION: 81

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: ([SHOW ANSWER](#))

Explanation/Reference:

NEW QUESTION: 82

Explanation:

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 83

An engineer is trying to convert the IP Address of the wireless controller to amend DHCP Option 43 configuration on the DHCP server. What mathematical format must the IP address of the Wireless controller be converted to in order to function correctly?

- A. Hexadecimal
- B. Binary
- C. Decimal
- D. ASCII

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 84

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

In the left sidebar menu, all of the inventory report options are listed. These reports are generated based on the data already stored in the WCS database. Because inventory reports are not on-demand reports, some configuration changes may have occurred since the storage and may not duplicate the attributes of the controller that are reflected in the stored data. The choices are as follows:

Access Point Inventory Report --Provides data on deployed access points. The data that is returned includes but is not limited to the following: the access points' MAC address, model, location, and radio status.

location appliances.

Controller Inventory Report --Provides data on deployed controllers. The data that is returned includes but is not limited to the following: the model, IP address, and serial number of the controller, what software version it is running, and where it is located.

Location Server Inventory Report --Provides data on deployed location appliances. The data that is

returned includes but is not limited to the following: the IP address and version of the location appliance, which port is being used, and the time the appliance starts up.

<http://www.cisco.com/c/en/us/td/docs/wireless/wcs/4-1/configuration/guide/wcscfg41/wcsreps.html#wp1080212>

NEW QUESTION: 85

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 86

Which interface is used to connect the foreign and anchor controllers?

- A. management
- B. service
- C. virtual
- D. dynamic

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 87

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The physical location of the client (such as building, floor, and so on). Clicking the map location displays information in the Monitor > Maps page.

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0/configuration/guide/WCS70cg/7_0clientmgmt.html

NEW QUESTION: 88

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.

Select and Place:

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

Answer:

	Delete
	Clear
	Acknowledge

NEW QUESTION: 89

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

The main components used in IUWNE are the Cisco AnyConnect Mobility Client itself, associated with the Network Access Module (NAM) used to manage existing profiles and provide the wireless connectivity.

You also can click Advanced to open the NAM front end. You can then manage profiles (create, delete, reorder). The network administrator can restrict the types of networks that the end user can manipulate on the NAM.

NEW QUESTION: 90

DRAG DROP

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

Select and Place:

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:

	Free Space Path Loss
	Multipath
	Diffraction
	Absorption
	Scattering
	Reflection

NEW QUESTION: 91

Refer to the exhibit.

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

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

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 92

Which wireless client attempts to authenticate by using 802.1X?

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

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

802.1x is an Institute of Electrical and Electronics Engineers (IEEE) standard that provides an authentication framework for WLANs. 802.1x uses the Extensible Authentication Protocol (EAP) to exchange messages during the authentication process. The authentication protocols that operate inside the 802.1x framework that are suitable for wireless networks include EAP-Transport Layer Security (EAP-TLS), Protected EAP (PEAP), and EAP-Tunneled TLS (EAP-TTLS). These protocols allow the network to authenticate the client while also allowing the client to authenticate the network.

802.1x authentication consists of three components:

http://www.arubanetworks.com/techdocs/ArubaOS_60/UserGuide/802.1x.php

NEW QUESTION: 93

An access point named Cisco AP is configured on a wireless controller. Which command must you use in the controller to view access point system messages?

- A. show ap eventlog Cisco_AP
- B. debug ap eventlog Cisco_AP
- C. config logging Cisco_AP
- D. show logging

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 94

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

- A. Configure > Access Point > Add Autonomous APs
- B. Manage > Access Points > Add Autonomous APs
- C. Administration > Access Point > Add Autonomous APs
- D. Location > Access Point > Add Autonomous APs

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

From WCS, the following methods are available for adding autonomous access points:

Add autonomous access points by Device information (IP addresses and credentials).

Add autonomous access points by CSV file http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0/configuration/guide/WCS70cg/7_0apcfg.html#wp1054452

NEW QUESTION: 95

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 96

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

WPA2-Enterprise is (in my opinion) considerably more secure than PSK.

NEW QUESTION: 97

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 98

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

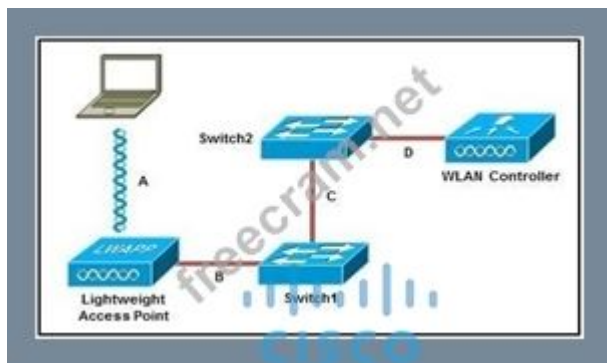
Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 99

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Controllers typically map WLANs to VLANs. When configuring a switch port to a controller, you would set the port to support 802.1Q (switchport trunk encapsulation dot1q), then set the port to trunk (switchport mode trunk) and only allow the VLANs needed by the controller (for example, switchport trunk allowed VLANs 10,20,30 if your controller needs only VLANs 10, 20, and 30).

NEW QUESTION: 100

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

- A. autonomous
- B. cloud
- C. converged
- D. centralized

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 101

What is the effect of increasing antenna gain on a radio?

- A. focusing energy in a defined direction
- B. adding energy creating a larger cell
- C. aligning phase shifting
- D. improving frequency specific diversity

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 102

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

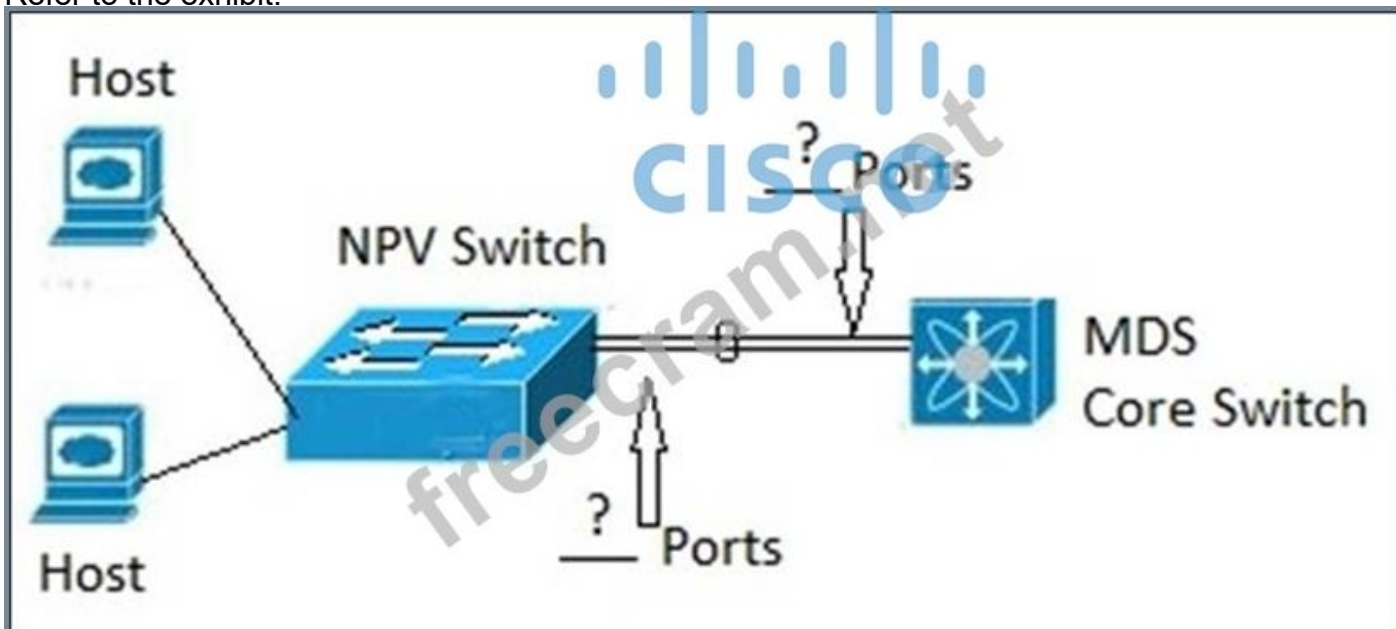
Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 103

Refer to the exhibit.



An engineer is implementing a new network design that includes a port channel to connect an MDS core switch and an VPN switch. Which two Fibre Channel port types must be used to create the Fibre Channel port channel? (Choose two.)

- A. N Port
- B. NL Port

- C. TL Port
- D. NP Port
- E. F Port
- F. E Port

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 104

What protocol is used to determine the best pathway back to a root access point?

- A. CCKM
- B. WNMP
- C. AWPP
- D. LWAP

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

AWPP enables a remote access point to dynamically find the best path back to a RAP for each MAP that is part of the RAP's bridge group (BGN). Unlike traditional routing protocols, AWPP takes RF details into account. To optimize the route, a MAP actively solicits neighbor MAP. During the solicitation, the MAP learns all of the available neighbors back to a RAP (Root Access Point), determines which neighbor offers the best path, and then synchronizes with that neighbor. The path decisions of AWPP are based on link quality and the number of hops.

http://www.cisco.com/c/en/us/td/docs/wireless/technology/mesh/7-0/design/guide/MeshAP_70.html#wp1351984

NEW QUESTION: 105

A lightweight AP using IOS version 8 broadcasts a Layer 3 CAPWAP discovery message on the local IP subnet.

Which step does the AP take next?

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

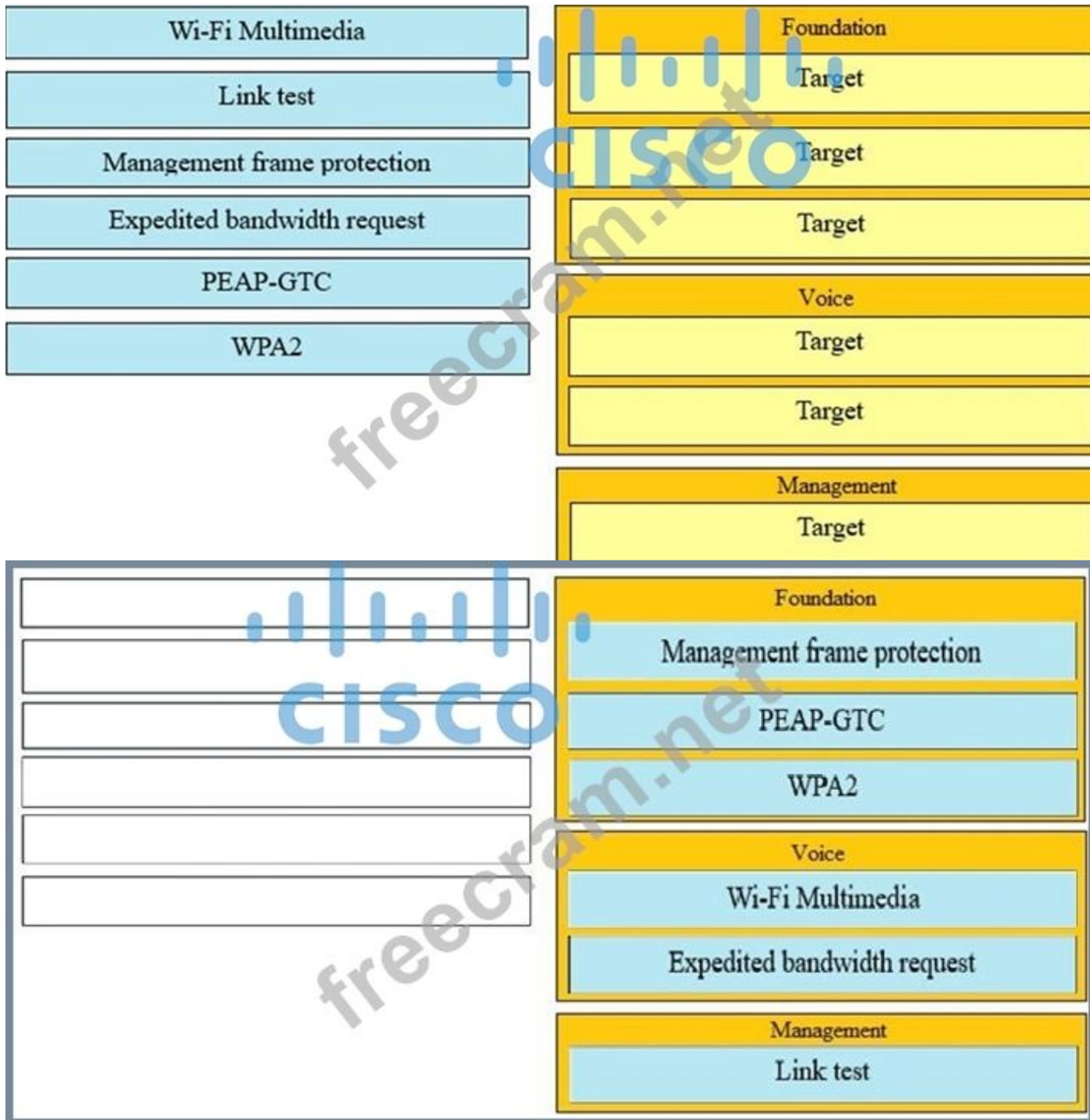
Answer: ([SHOW ANSWER](#))

NEW QUESTION: 106

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.

Select and Place:



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NEW QUESTION: 107

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 108

What must be done for Cisco WLC and Cisco WCS to communicate?

- A. The IP address and subnet mask of the Cisco WLC must be configured in the Cisco WCS.
- B. The IP address and subnet mask of the Cisco WCS must be configured in the Cisco WLC.
- C. The identity certificate of the Cisco WLC must be added to the Cisco WCS.
- D. The Cisco WLC and Cisco WCS must exchange identity certificates.

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

In Cisco WCS, you need to add the ip address and subnet of the WLC. Autodiscovery is a feature that is used to search for a single controller by IP Address however this feature is restricted to Cisco WLAN Solution mobility group subnets defined by the operator.

NEW QUESTION: 109

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

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Here is how Cisco RRM works from a high level:

What are the algorithms that the RF Group Leader will be busy with?

<http://blog.ine.com/2010/10/08/cisco-radio-resource-management-rrm/>

NEW QUESTION: 110

Which two services require an RToWLAN design? (Choose two.)

- A. WVoIP
- B. video conferencing
- C. multicast video
- D. Telnet
- E. SSH

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 111

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Another common authentication method, especially for guest networks (for example, in hotels, where Internet access must be simple, requiring only an SSID with decent RF signal in each room and a web page to authenticate the user, regardless of the underlying operating system), is Web authentication.

NEW QUESTION: 112

An engineer wants to setup WPA2 Enterprise using EAP-TLS and a remote RADIUS server. What device (s) would the engineer specify the EAP type on?

- A.** the supplicant and authentication server
- B.** the supplicant and authenticator
- C.** the authenticator and authentication server
- D.** the supplicant only
- E.** the authentication server only

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 113

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

an exclamation mark inside a yellow shield is displayed if the SSID has no security [Open authentication,

no encryption]), clicking Connect and completing the security parameters when applicable.

NEW QUESTION: 114

A customer has ordered a Cisco 5760 Wireless Controller. What speed and quantity of ports are needed for full-speed operation?

- A. 6 x 1 Gb
- B. 6 x 10 Gb
- C. 2 x 10 Gb
- D. 2 x 1 Gb
- E. 8 x 1 Gb
- F. 8 x 10 Gb

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 115

When using multiple SSIDs on a FlexConnect AP in local switching mode, how does the traffic of each SSID reach the 802.3 network?

- A. configure 802.1q trunking on the Ethernet switch port that is connected to the AP
- B. provide routing between them at the core so that the SSIDs can reach the internet
- 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: ([SHOW ANSWER](#))

NEW QUESTION: 116

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 117

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

You can use an upgrade conversion tool to convert autonomous Cisco Aironet 1100, 1130AG, 1200, 1240AG, and 1300 Series Access Points to lightweight mode. When you upgrade one of these access points to lightweight mode, the access point communicates with a controller and receives a configuration and software image from the controller.

<http://www.cisco.com/c/en/us/td/docs/wireless/controller/5-2/configuration/guide/Controller52CG/c52lwap.html>

NEW QUESTION: 118

What tab contains access point configuration in the WCS?

A. Controller > Access Points

B. Configure > Access Points

C. General > Configure > Access Points

D. System > Configure > Access Points

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 119

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

A. 16

B. 20

C. 24

D. 14

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 120



Refer to the exhibit. The site in this AirMagnet Survey heat map is ready for which level of service?

- A. data
- B. RFID
- C. voice
- D. location

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 121

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

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NEW QUESTION: 122

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

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

Answer: (SHOW ANSWER)

NEW QUESTION: 123

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

Choose Monitor > Clients to open the Clients page.

This page lists all of the clients that are associated to the controller's access points. It provides the following information for each client:

http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_010000000.html

NEW QUESTION: 124

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 125

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 126

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The controller has commonly known default values of "public" and "private" for the read-only and read-write SNMP community strings. Using these standard values presents a security risk. If you use the default community names, and since these are known, the community names could be used to communicate to the controller using SNMP. Therefore, we strongly advise that you change these values.

Step 1

Choose Management and then Communities under SNMP. The SNMP v1 / v2c Community page appears.

Step 2

If "public" or "private" appears in the Community Name column, hover your cursor over the blue drop-down arrow for the desired community and choose Remove to delete this community.

Step 3

Click New to create a new community. The SNMP v1 / v2c Community > New page appears.

Step 4

In the Community Name text box, enter a unique name containing up to 16 alphanumeric characters. Do not enter "public" or "private."

Step 5

In the next two text boxes, enter the IPv4/IPv6 address and IP Mask/Prefix Length from which this device

accepts SNMP packets with the associated community and the IP mask.

Step 6

Choose Read Only or Read/Write from the Access Mode drop-down list to specify the access level for this community.

Step 7

Choose Enable or Disable from the Status drop-down list to specify the status of this community.

Step 8

Click Apply to commit your changes.

Step 9

Click Save Configuration to save your settings.

Step 10

Repeat this procedure if a "public" or "private" community still appears on the SNMP v1 / v2c Community page.

NEW QUESTION: 127

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 128

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 129

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 130

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

- A. Use multiple authentication servers.
- B. You cannot change the default SSID.
- C. Edit the SSIDs.
- D. You need multiple SSIDs.
- E. Delete all the SSIDs.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 131

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 132

A customer has a corporate SSID that is configured to authenticate against an ISE 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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 133

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 134

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 135

Refer to the exhibit.

```
(Cisco Controller) >show network summary
RF-Network Name..... Cisco
Web Mode..... Disable
Secure Web Mode..... Disable
Secure Web Mode Cipher-Option High..... Disable
Secure Web Mode Cipher-Option SSLv2..... Disable
Secure Web Mode RC4 Cipher Preference..... Disable
OCSP..... Disabled
OCSP responder URL.....
Secure Shell (ssh)..... Enable
Telnet..... Disable
Ethernet Multicast Forwarding..... Disable
Ethernet Broadcast Forwarding..... Disable
IPv4 AP Multicast/Broadcast Mode..... Multicast Address : 239.0.1.1
IGMP snooping..... Disabled
IGMP timeout..... 60 seconds
IGMP Query Interval..... 20 seconds
MLD snooping..... Disabled
MLD timeout..... 60 seconds
MLD query interval..... 20 seconds
User Idle Timeout..... 300 seconds
ARP Idle Timeout..... 300 seconds
```

A customer is using central web authentication with a Cisco 5508 Wireless Controller and Cisco Identity Services Engine. An error occurs when wireless clients are redirected to the hosted splash page. What is

causing the client error?

- A. Secure Web Mode is disabled on the WLC.
- B. OCSP is disabled on the WLC.
- C. Management Via Dynamic Interface is disabled on the WLC.
- D. Ethernet Multicast Forwarding is enabled on the WLC.

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 136

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 ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

The output from the access point summary section of the Cisco WLC can be seen at the reference link below:

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/6-0/configuration/guide/WCS60cg/6_0mon.html

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NEW QUESTION: 137

What are two security threats to wireless networks? (Choose two.)

- A. ad-hoc networks
- B. client misassociation
- C. port redirection
- D. cross-site scripting

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

An ad hoc network is a collection of wireless clients that form a network amongst themselves without the use of an AP. As far as network administrators are concerned, ad hoc wireless networks are uncontrolled.

If they do not use encryption, they may expose sensitive data to outside eavesdroppers. If a device is connected to a wired network and has bridging enabled, an ad-hoc network may also function like a rogue AP. Additionally, ad-hoc networks can expose client devices to viruses and other security vulnerabilities.

For these reasons, many administrators choose to prohibit ad-hoc networks. Valid Client Misassociation:

This feature does not detect attacks, but rather it monitors authorized (valid) wireless clients and their association within the network. Valid client misassociation is potentially dangerous to network security.

The four types of misassociation that we monitor are:

http://www.arubanetworks.com/techdocs/ArubaOS_61/ArubaOS_61_UG/New_WIP.php

NEW QUESTION: 138

Refer to the exhibit.

Top 5 APs

AP Name	Map Location	a/n Clients	b/g/n Clients	Total
1252-1	Campus1 > Building1 > Floor1	2	0	2
1252-2	Campus1 > Building1 > Floor1	0	0	0
1250-3	Unassigned	0	0	0
1250-4	Unassigned	0	0	0

In WCS, what Monitor submenu would provide the table shown?

- A. Clients
- B. Access Points
- C. Controllers
- D. Security
- E. Alarms

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 139

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 140

Which authentication method best supports a large enterprise deployment where over the air security is a necessity?

A. Open Authentication with Web Authentication

B. PSK with WEP

C. WPA with PSK

D. WPA2 with EAP-FAST

E. WPA2 with PSK

Answer: D (LEAVE A REPLY)

Explanation/Reference:

Explanation:

NEW QUESTION: 141

Refer to the exhibit.

The screenshot shows the Cisco WLC configuration interface for SysLog. The top navigation bar includes 'Monitor', 'Reports', 'Configure', 'Administration', 'Tools', and 'Help'. The left sidebar has 'General Logging Options', 'SNMP Logging Options', and 'SysLog Options'. The main content area is titled 'SysLog Options' and 'Administration > Logging Options > SysLog'. Under 'SysLog Settings', 'Enable SysLog' is checked and set to 'Enable'. 'SysLog Host' is set to '10.106.184.5' and 'SysLog Facility' is set to 'LOCAL7'. A 'Save' button is at the bottom.

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

A facility level is used to specify what type of program is logging a message. This lets the configuration file specify that messages from different facilities will be handled differently. Local7 maps to Facility level 23, which is local so the WLC will add this information to syslog messages when sending to the syslog

server.

NEW QUESTION: 142

Instructions:

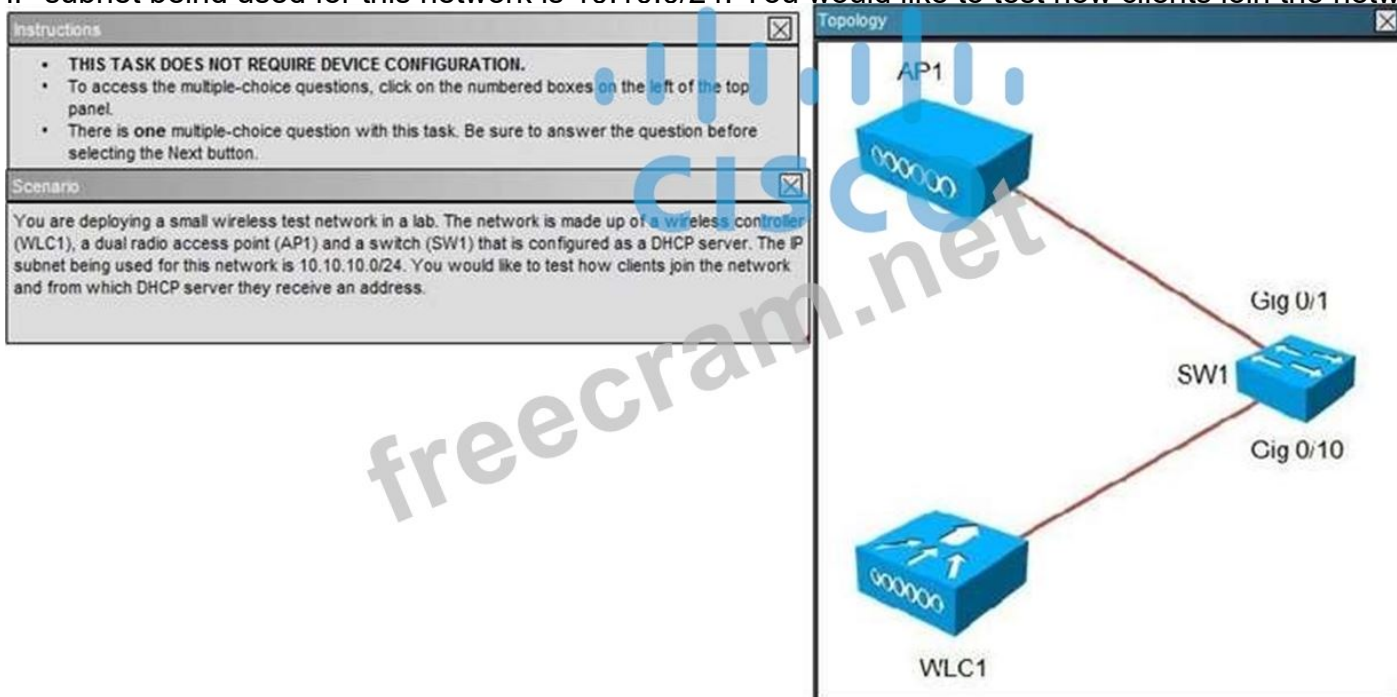
THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION

To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.

There is one multiple-choice question with this task. Be sure to answer the question 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 controller (WLC1), a dual radio access point (AP1) and a switch (SW1) that is configured as a DHCP server. The IP subnet being used for this network is 10.10.0/24. You would like to test how clients join the network



CISCO **MONITOR** **WLANs** **CONTROLLER** **WIRELESS** **SECURITY** **MANAGEMENT**

Controller **DHCP Scope > Edit**

General	Scope Name	IP Domain
Inventory	Pool Start Address	10.10.10.20
Interfaces	Pool End Address	10.10.10.127
Interface Groups	Network	10.10.10.0
Multicast	Netmask	255.255.255.0
Internal DHCP Server	Lease Time (seconds)	86400
DHCP Scope	Default Routers	10.10.10.1 0.0.0.0
DHCP Allocated Leases	DNS Domain Name	
Mobility Management	DNS Servers	0.0.0.0 0.0.0.0
Ports	Netbios Name Servers	0.0.0.0 0.0.0.0
NTP	Status	Enabled
CDP		
Advanced		

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

WLANs > Edit 'ExamSSID'

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

Allow AAA Override ☐ Enabled Coverage Hole Detection ☒ Enabled Enable Session Timeout ☒ 1800 Session Timeout (secs) Airtime IE ☒ Enabled Diagnostic Channel ☐ Enabled IPv6 Enable ☐ Override Interface ACL ☐ None P2P Blocking Action ☐ Disabled Client Exclusion ☒ Enabled 60 Timeout Value (secs) Maximum Allowed Clients 0 Static IP Tunneling ☐ 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 ☐ Optional DTIM Period (in beacon intervals) 802.11a/h (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 ☐
--	---

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 port  
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 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.

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		

As shown below, the DHCP server functionality has been enabled on the WLC1. Aside from DHCP, all clients can always statically assign themselves an IP address.

CISCO

MONITORWLANSCONTROLLERWIRELESSSECURITYMANAGEMENTCOMMAND

Controller

General

Inventory

Interfaces

Interface Groups

Multicast

Internal DHCP Server

DHCP Scope

DHCP Allocated Leases

Mobility Management

Ports

NTP

CDP

Advanced

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

Static

Enabled

NEW QUESTION: 143

DRAG DROP

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

Select and Place:

Executive Summary

Configuration Audit

Inventory

Security Risk Interferers

CleanAir

Devices

Compliance

Network Summary

Answer:

Security Risk Interfere
Inventory
Configuration Audit
Executive Summary

NEW QUESTION: 144

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 (LEAVE A REPLY)

Explanation/Reference:

Explanation:

NEW QUESTION: 145

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: (SHOW ANSWER)

Explanation/Reference:

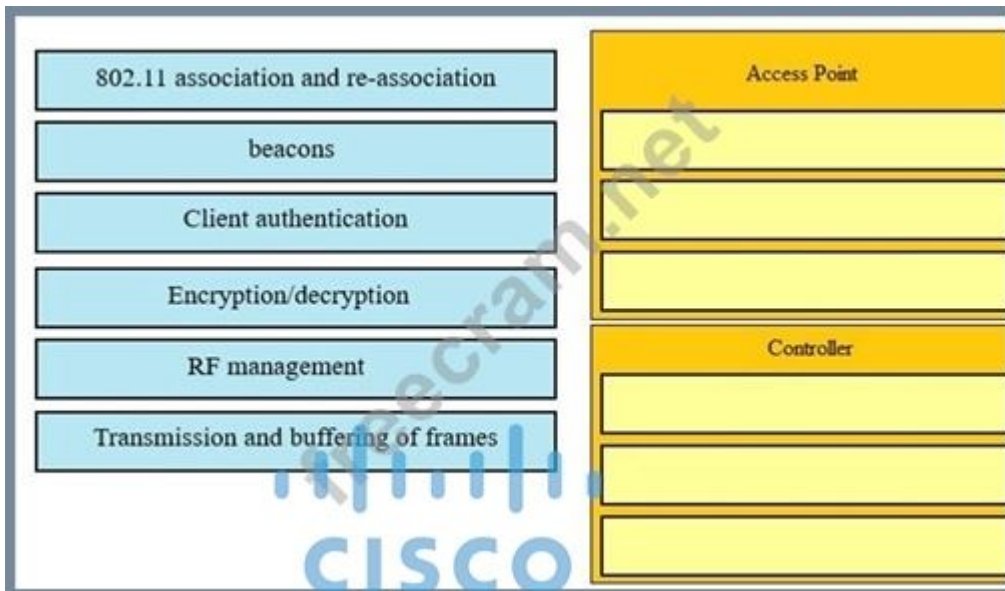
Explanation:

NEW QUESTION: 146

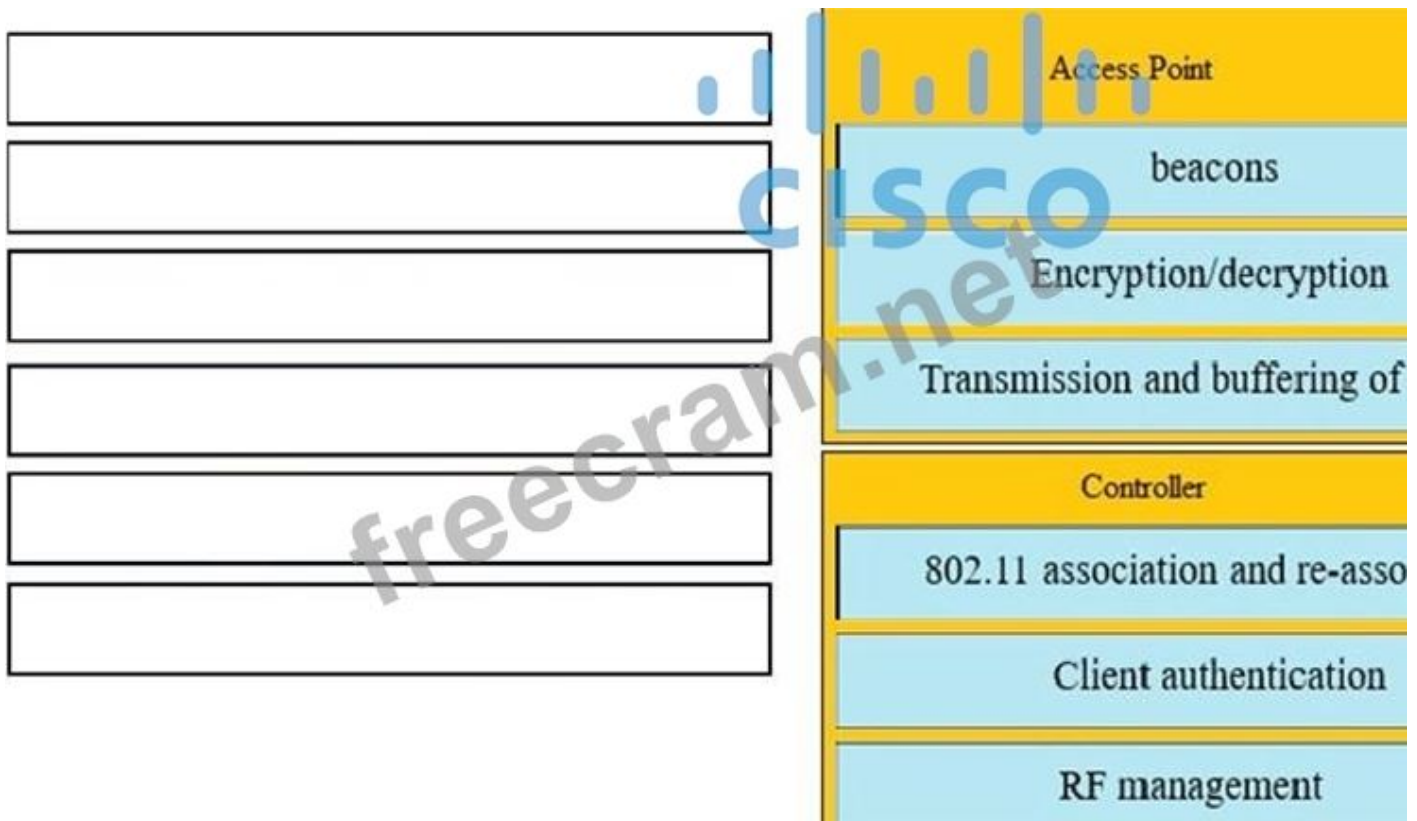
DRAG DROP

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

Select and Place:



Answer:



NEW QUESTION: 147

Which type of frames are ACK and CF-ACK?

- A. control
- B. management
- C. RTS/CTS
- D. association

Answer: A (LEAVE A REPLY)

Explanation/Reference:

Explanation:

Wireless LANs come in three frame types:

Frame Types Table

Management

Control

Data

Beacon

Request to Send (RTS)

Simple data

Probe Request

Clear to Send (CTS)

Null function

Probe Response

Acknowledgment

Data+CF-ACK

Association Request

Power-Save-Poll (PS-Poll)

Data+CF-Poll

Association Response

Contention Free End (CF-End)

Data+CF-Ack

Authentication Request

Contention Free End + Acknowledgment (CF-End +ACK)

ACK+CF-Poll

Authentication Response

CF-ACK

Deauthentication

CF-ACK+CF-Poll

Reassociation request

Reassociation response

Announcement traffic indication message (ATIM)

<http://www.ciscopress.com/articles/article.asp?p=1271797&seqNum=2>

NEW QUESTION: 148

A user is unable to access a lobby administration web page when using a wireless laptop; however, the user can access the page with a wired desktop computer. Which management feature needs to be enabled on the WLC to allow laptop access?

- A. management via wireless
- B. dynamic interface management
- C. HTTP
- D. HTTPS
- E. TACACS
- F. SSH

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 149

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.

Select and Place:

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:



NEW QUESTION: 150

An engineer wants to set up guest wireless that requires users to log in via a splash page prior to accessing the network. Which authentication method should be configured?

- A. LDAP
- B. RADIUS
- C. local authentication
- D. WebAuth
- E. PSK

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 151

Which device divides a signal between two antennas?

- A. splitter
- B. lightening arrestor
- C. attenuator
- D. amplifier

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

A splitter causes insertion loss and divides available power between two antennas.

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NEW QUESTION: 152

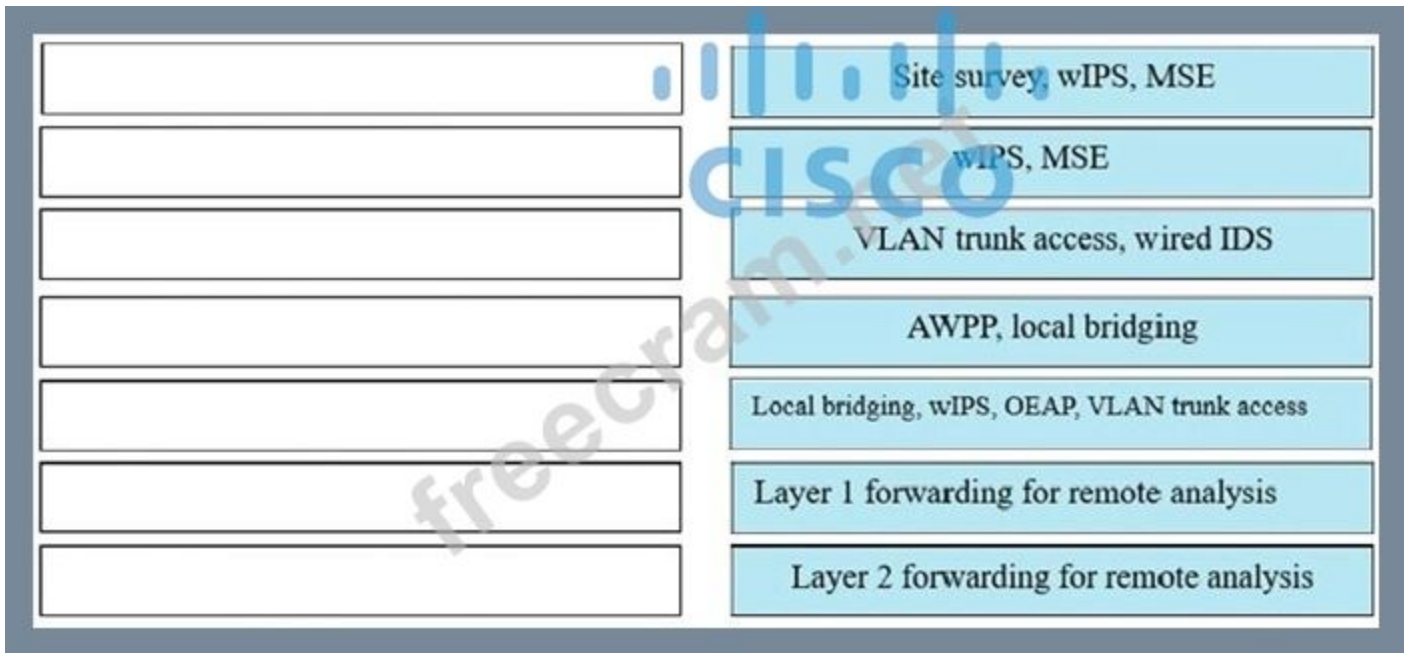
DRAG DROP

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

Select and Place:

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:



NEW QUESTION: 153

When roaming between APs in an ESS, which value changes?

- A. BSSID
- B. SSID
- C. VLAN
- D. IP range

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 154

An enterprise needs their iPhones to connect to the EAP-TLS network. How should the devices be configured?

- A. Configure directly through the Settings application.
- B. Push the profile and certificate through iTunes.
- C. Push the profile and certificate through Configuration Utility.
- D. Download the certificate from the web page then configure through the Settings application.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 155

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 156

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

AnyConnect offers the DART module that can be used to analyze and troubleshoot connections.

The information collected by DART can be examined locally or exported and sent to a network support desk for analysis. The DART tool is able to create a bundle to log information for all the wireless clients.

NEW QUESTION: 157

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

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 158

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 159

Which two statements about the requirements to configure intercontroller roaming are true? (Choose two.)

- A.** The same virtual interface is configured across controllers.

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

Answer: (SHOW ANSWER)

NEW QUESTION: 160

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.

Select and Place:

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 interface
Not always required for configuration. Require static routes	Dynamic interface
Not always required for configuration. Known as the VLAN interface	Service interface

Answer:

	Not always required for source address of CA
	Always available. Control communication
	Always available. Used
	Not always required for co as the VLAN in
	Not always required for co static rou

NEW QUESTION: 161

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 162

Which statement about configuration of Layer 2 wireless user authentication on a Cisco WLC is true?

- A. Local EAP is used only if an external RADIUS is not configured or is unreachable.
- B. The external RADIUS is used only if local EAP is not configured.
- C. The administrator chooses whether local EAP or an external RADIUS is used first.
- D. The external RADIUS is used only if local EAP is explicitly disabled.

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

If any RADIUS servers are configured on the controller, the controller tries to authenticate the wireless clients using the RADIUS servers first. Local EAP is attempted only if no RADIUS servers are found, either because the RADIUS servers timed out or no RADIUS servers were configured. If four RADIUS servers are configured, the controller attempts to authenticate the client with the first RADIUS server, then the second RADIUS server, and then local EAP. If the client attempts to then reauthenticate manually, the controller tries the third RADIUS server, then the fourth RADIUS server, and then local

EAP.

http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_0110010.html

NEW QUESTION: 163

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 164

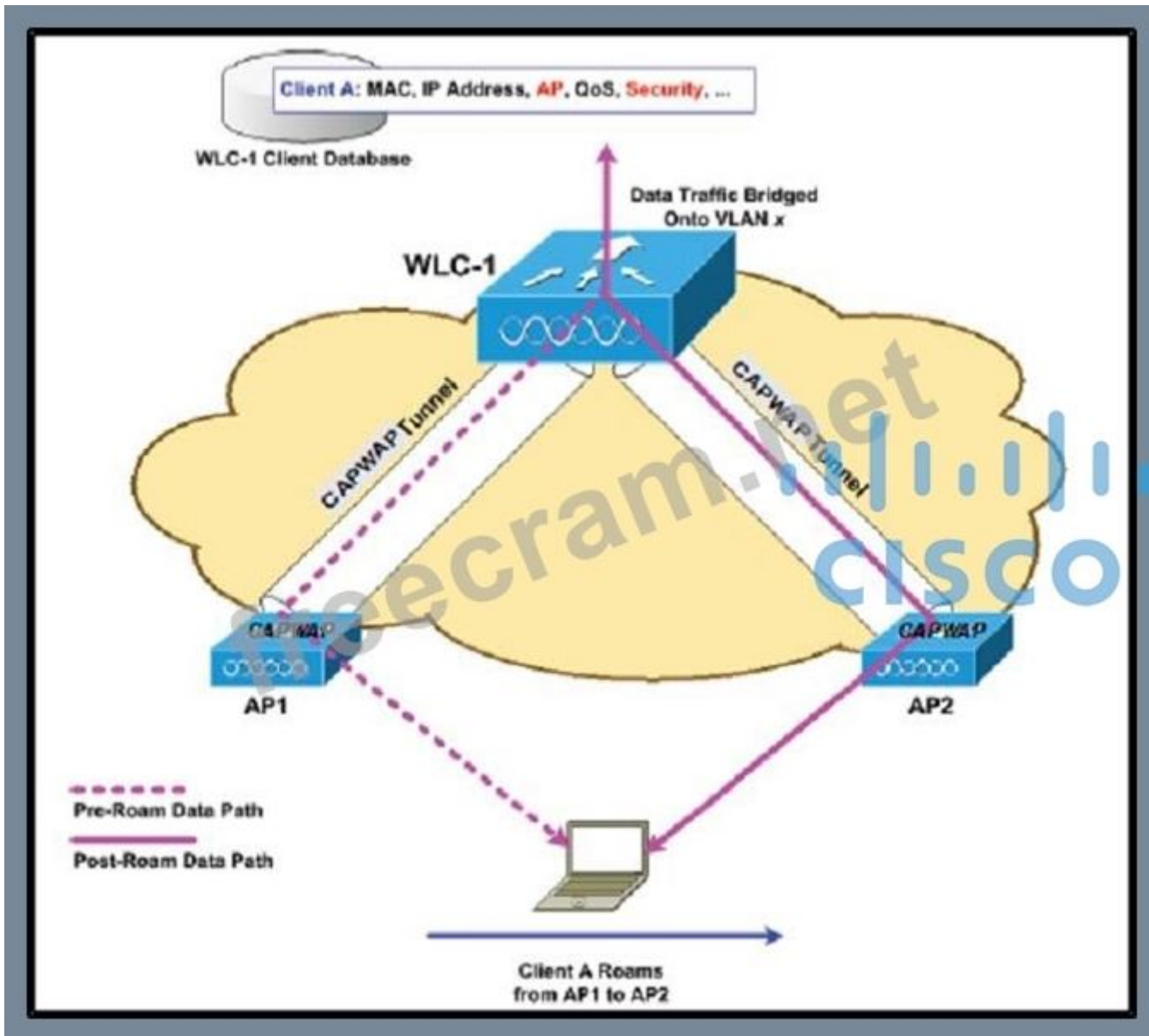
Which option lists the client configurations steps that must be completed to have an Apple iOS device joined in a hidden SSID?

- A. Settings > WiFi > Then tap the name of the SSID you want to connect to.
- B. Settings > WiFi > Join Known Networks.
- C. Settings > WiFi > Other > Then configure the SSID parameters.
- D. Settings > WiFi > Disable/Renable wifi, then select the hidden SSID from the list of seen SSIDs.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 165

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 166

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

- A. SSH
- B. SNMP
- C. HTTPS

D. Telnet

E. HTTP

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 167

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Multiple IEEE 802.11 service set identifiers (SSIDs) allow you to create different levels of network access and to access virtual LANs (VLANs). You can configure up to 16 separate SSIDs to support up to 16 VLANs. Each VLAN can have a different wireless security configuration so that the devices that support the latest Cisco security enhancements can exist alongside legacy devices. This additional access point functionality enables a variety of users having different security levels to access different parts of the network.

http://www.cisco.com/en/US/docs/wireless/access_point/350/configuration/guide/ap350ch1_ps458_TSD_Products_Configuration_Guide_Chapter.html

NEW QUESTION: 168

Which RRM feature allows an access point to avoid non-IEEE 802.11 interference?

A. DCA

B. TPC

C. RF groups

D. coverage hole detection

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 169

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 170

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 171

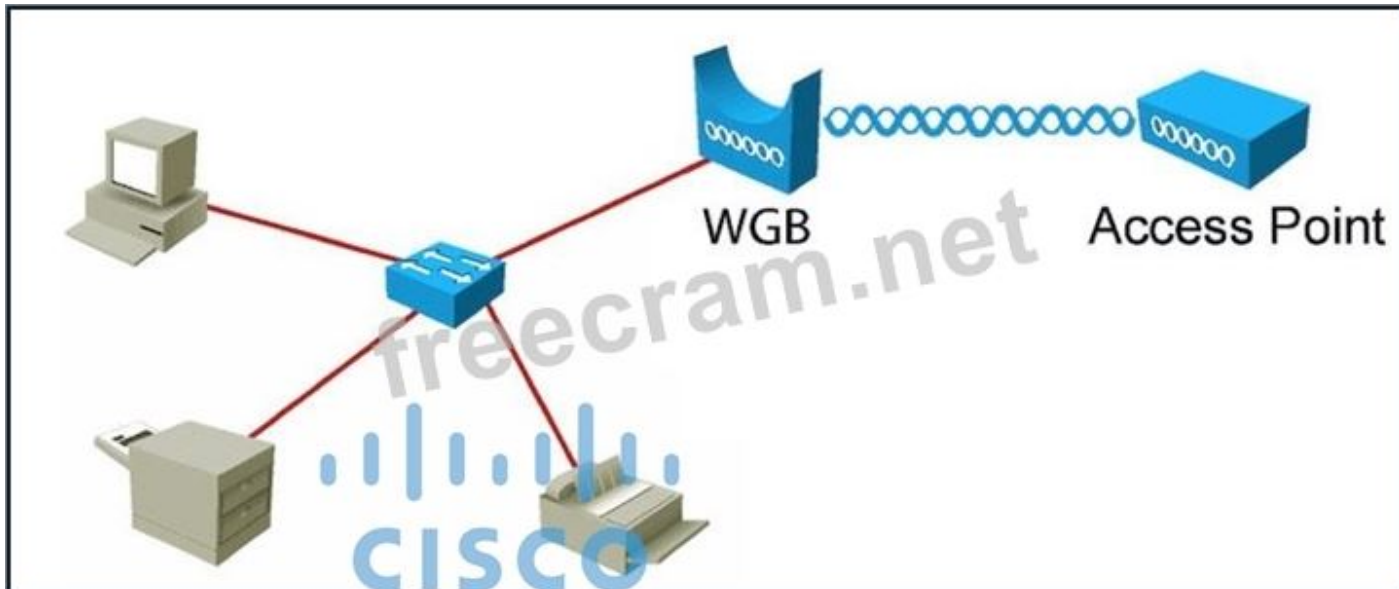
An engineer has been asked to upgrade the code on a WLC that is running Cisco AireOS 8.0. Which two protocols can be used to download the code file to the controller? (Choose two.)

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 172

Refer to the exhibit.



Based on the diagram, what two design requirements must be met? (Choose two.)

- A. WGB is Autonomous
- B. WGB is Universal
- C. WGB can be Autonomous or Universal
- D. Upstream AP is Aironet
- E. Upstream AP is not Aironet
- F. Upstream AP can be any make/model

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 173

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 174

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. All management and configuration tasks, except uploads from and downloads to the Cisco WLC, are permitted.
- 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. In the default configuration, no management or configuration is possible through the GUI on the Cisco WLS.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 175

Refer to the exhibit.

	Name	Management IP Address
Primary Controller	WLC1	10.201.204.8
Secondary Controller	WLC2	10.201.204.11
Tertiary Controller	WLC3	10.201.204.6

AP Failover Priority: Low

High Availability

AP Heartbeat Timeout(1-30): 30

Local Mode AP Fast Heartbeat Timer State: Disable

H-REAP Mode AP Fast Heartbeat Timer State: Disable

AP Primary Discovery Timeout(30 to 3600): 120

Back-up Primary Controller IP Address: 10.201.204.19

Back-up Primary Controller name: Back-UP-WLC

Back-up Secondary Controller IP Address:

Back-up Secondary Controller name:

TCP MSS

Global TCP Adjust MSS: ☐

AP Retransmit Config Parameters

AP Retransmit Count: 5

AP Retransmit Interval: 3

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

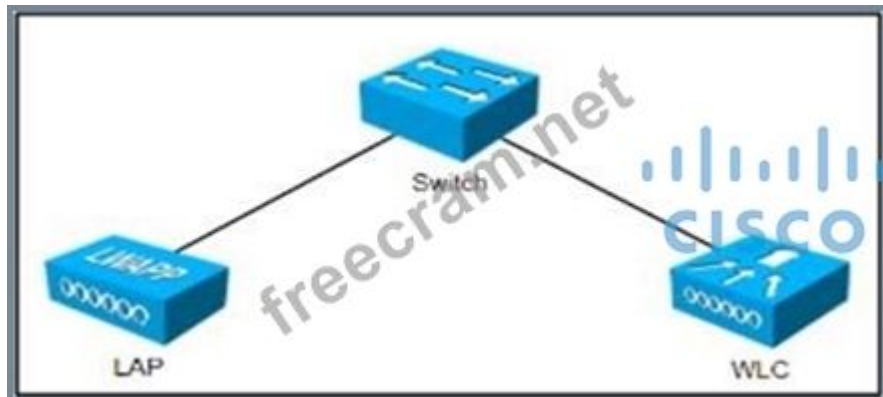
Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 176

Refer to the exhibit.



Which three switch port types are valid for these connections? (Choose three.)

- A. port-channel
- B. access
- C. trunk
- D. port-channel trunk
- E. routed port
- F. port-channel access

Answer: (SHOW ANSWER)

NEW QUESTION: 177

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 (LEAVE A REPLY)

Explanation/Reference:

Explanation:

<http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-0/configuration/guide/c70/c70users.html#wp1049273>

NEW QUESTION: 178

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 179

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 180

Which two attacks does Management Frame Protection help to mitigate? (Choose two.)

- A. Eavesdropping
- B. Denial of Service
- C. War Driving
- D. Man-in-the-Middle

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 181

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Rogue Containment Caveats

<http://www.cisco.com/c/en/us/support/docs/wireless/4400-series-wireless-lan-controllers/112045-handling-rogue-cuwn-00.html>

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NEW QUESTION: 182

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

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

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

When the client associates to an access point joined to a new controller, the new controller exchanges mobility messages with the original controller, and the client database entry is moved to the new controller.

New security context and associations are established if necessary, and the client database entry is updated for the new access point. This process remains transparent to the user.

<http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-0/configuration/guide/c70/c70mobil.html>

NEW QUESTION: 183

Which two of the following authentication methods used for WiFi security require the use of certificates? (Choose two.)

- A. PEAP
- B. EAP-FAST
- C. WPA2
- D. WPA1
- E. EAP-TLS
- F. EAP-MD5

Answer: (SHOW ANSWER)

When you use EAP with a strong EAP type, such as TLS with smart cards or TLS with certificates, both the client and the server use certificates to verify their identities to each other. Certificates must meet specific requirements both on the server and on the client for successful authentication.

<https://support.microsoft.com/en-us/kb/814394>

NEW QUESTION: 184

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 185

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 186

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

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

High gain directional antennas: A point to point high gain antenna is a directional antenna that has a focused radiation pattern. The radiation pattern is typically a cone 10 to 30 degrees wide. A yagi and a parabolic dish are examples of high gain directional antennas.

http://www.hp.com/rnd/pdfs/antenna_tech_brief.pdf

NEW QUESTION: 187

Which of the following are three functions of Cisco RRM? (Choose three.)

- A. TPC
- B. intercontroller roaming

- C. dynamic channel assignment
- D. intracontroller roaming
- E. coverage hole detection

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

RRM can periodically reconfigure the 802.11 RF network for best efficiency.

To do this, RRM performs these functions:

Radio resource monitoring

Transmit power control

Dynamic channel assignment

Coverage hole detection and correction

http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-0MR1/configuration/guide/wlc_cg70MR1/cg_rrm.pdf

NEW QUESTION: 188

Instructions:

THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION

To access the multiple-choice questions, 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.



```

Will show run
Building configuration...

Current configuration : 3537 bytes
!
version 12.2
service pad
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption
!
hostname Switch
!
nat start-marker
nat end-marker
!
enable secret 5 $1$Wp4r$xs.hQpilAfTXJN1gR3oxe1
!
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

!
ip domain-lookup
!
spanning-tree mode pwt
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

```

Wireless ADAPs										
MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP /FEEDBACK										
All APs										
Current Filter				none [Change filter] [Clear filter]						
Number of APs				0						
AP Name	AP Model	AP MAC	AP Up Time	Admin Status	Operational Status	Port	AP Mode	Certificate Type	OfficeExtend AP	Primary SW version

```
SW1 Debug Output
Switch#debug ip dhcp server events
DHCP server event debugging is on.
Switch#
*Mar 1 11:06:40.119: DHCPD: Sending notification of TERMINATION:
*Mar 1 11:06:40.119: DHCPD: address 10.20.20.128 mask 255.255.255.0
*Mar 1 11:06:40.119: DHCPD: reason flags: RELEASE .116
*Mar 1 11:06:40.119: DHCPD: xtype 1 chaddr 442b.036c.4d0f
*Mar 1 11:06:40.119: DHCPD: lease time remaining (secs) = 86342
*Mar 1 11:06:40.128: DHCPD: interface = Vlan20
*Mar 1 11:06:40.128: DHCPD: out_vlan_id 0
*Mar 1 11:06:40.128: DHCPD: returned 10.20.20.128 to address pool vlan20.
*Mar 1 11:06:45.622: DHCPD: Sending notification of DISCOVER:
*Mar 1 11:06:45.622: DHCPD: xtype 1 chaddr 442b.036c.4d0f
*Mar 1 11:06:45.622: DHCPD: interface = Vlan20
*Mar 1 11:06:45.622: DHCPD: class id 436973636f20415020633113430
*Mar 1 11:06:45.622: DHCPD: out_vlan_id 0
*Mar 1 11:06:45.622: DHCPD: Sending notification of DISCOVER:
*Mar 1 11:06:45.622: DHCPD: xtype 1 chaddr 442b.036c.4d0f
*Mar 1 11:06:45.622: DHCPD: interface = Vlan20
*Mar 1 11:06:45.622: DHCPD: class id 436973636f20415020633113430
*Mar 1 11:06:45.631: DHCPD: out_vlan_id 0
*Mar 1 11:06:47.644: DHCPD: Adding binding to radix tree (10.20.20.129)
*Mar 1 11:06:47.644: DHCPD: Adding binding to hash tree
*Mar 1 11:06:47.644: DHCPD: assigned IP address 10.20.20.129 to client 0144.2b03.
*Mar 1 11:06:47.644: DHCPD: DHCPFFER notify setup address 10.20.20.129 mask 255.
*Mar 1 11:06:47.644: DHCPD: Sending notification of ASSIGNMENT:
*Mar 1 11:06:47.644: DHCPD: address 10.20.20.129 mask 255.255.255.0
*Mar 1 11:06:47.644: DHCPD: xtype 1 chaddr 442b.036c.4d0f
*Mar 1 11:06:47.644: DHCPD: lease time remaining (secs) = 86400
*Mar 1 11:06:47.644: DHCPD: interface = Vlan20
*Mar 1 11:06:47.644: DHCPD: out_vlan_id 0
*Mar 1 11:06:55.135: DHCPD: checking for expired leases.
```

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

A. interface vlan1

ip helper-address 10.10.10.10

B. interface vlan20

ip helper-address 10.10.10.10

C. ipdhcp pool vlan1

option 43 ascii '10.10.10.10'

D. ip dhcp pool vlan20

option 43 ascii '10.10.10.10'

E. ipdhcp pool vlan1

option 43 hex f1040a0a0a0a

F. ip dhcp pool vlan20

option 43 hex f1040a0a0a0a

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Keep the following in mind when troubleshooting wireless DHCP issues:

Option 43 is used to inform the DHCP client of the WLC AP-management IP address. Use the ip dhcp pool command for VLAN 20 and enter the AP-management IP address as part of option 43.

The command format is option 43, followed by the correct IP address in hexadecimal format, as shown in the example.

If there is only one WLC management address, the Length is 04 (hex), and in this case the WLC management IP address is 10.10.10.10, which is 0a0a0a0a (hex).

NEW QUESTION: 189

Which purpose does a spectrum analyzer serve during a site survey?

- A. Generate a list of interference reports.
- B. Identify and monitor rogue APs in the environment
- C. Detect and measure RF energy on a frequency.
- D. Capture and save RF traffic to analyze it offline.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 190

What three characteristics are components of mobility anchoring? (Choose three.)

- A. enabled as a global setting
- B. enabled on a per WLAN basis
- C. restricts clients to a specific subnet
- D. client traffic is tunneled to predefined WLC(s)
- E. only one mobility anchor is allowed per WLAN
- F. acts as master controller for a mobility group

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation

NEW QUESTION: 191

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.

Select and Place:

config terminal	Target 1
debug	Target 2
show	Target 3
enable	
clear	
delete	
reload	
upgrade	

Answer:

config terminal	debug
	show
	enable
clear	
delete	
reload	
upgrade	

NEW QUESTION: 192

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 193

While undergoing a security audit, a network administrator is told to set up the WLANs with at least 128-bit encryption but also keeping the 802.11n speeds. What WLAN configuration would meet the requirements?

- A. Static WEP
- B. WPA-TKIP
- C. WPA2-AES
- D. CKIP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 194

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 195

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 access vlan 10
- D. switchport trunk allowed vlan 10
- E. channel-group 10

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 196

What is required from the deployment when using voice or video applications? (Choose three.)

- A. RSSI cell edge of -25
- B. RSSI cell edge of -16
- C. SNR of
- D. Cell Overlap of 20%
- E. RSSI -67

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

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NEW QUESTION: 197

You are designing a wireless network in a medical facility. Which three areas are bad locations in which to install a wireless access point? (Choose three.)

- A. in front of the elevators doors
- B. in the hallways
- C. next to the electrical room
- D. inside offices
- E. near medical imaging devices
- F. in the lobby

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

You should not install access points in areas where interference from outside devices can occur. A great deal of electrical interference can occur near the electrical room and near medical imaging devices. Also, because elevators often have metal doors and the shafts are often concrete or contain other materials that degrade Wi-Fi coverage, it is best to avoid them.

NEW QUESTION: 198

A customer wants to use Cisco Prime Infrastructure to manage its current wireless infrastructure. The customer has 4 wireless controllers and 97 wireless access points. What is the minimum amount of licensing that is required on Cisco Prime Infrastructure to support the desired wireless infrastructure?

- A. 4 Lifecycle licenses and 125 Base licenses
- B. 100 Lifecycle licenses and 1 Base license
- C. 100 Lifecycle licenses and 4 Base licenses
- D. 125 Lifecycle licenses and 1 Base license

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 199

A customer cannot access the GUI on the Cisco 5508 Wireless Controller from the management interface due to network failure. Which interface can the customer use to access the WLC GUI until the network issues are resolved?

- A. virtual
- B. dynamic
- C. console port
- D. service port

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 200

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 201

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 ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

See the SNMP configuration for Cisco WLC page shown in reference link below:

http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_0111.html

NEW QUESTION: 202

What tool can be used to increase accuracy of WCS heat maps?

- A. Map Editor
- B. Planning Tool
- C. CleanAir
- D. Cisco Spectrum Expert

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 203

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

From Management > Tech Support, you can access useful information, such as controller crash files or AP crash logs (which logs the reasons for the crash). These files are usually transmitted to advanced tech support or TAC but usually not managed directly by Wireless CCNAs. Then, from the Command > Upload page in the web interface, you can upload the configuration file or other system files (event logs, message logs, trap logs, crash file, debug file, wireless attack signatures file, etc).

NEW QUESTION: 204

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 Select and Place:

20	Low
35	Medium
40	High
45	
50	
60	
70	

Answer:

20	35
	50
40	60
45	
70	

NEW QUESTION: 205

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 206

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The Cisco WCS Navigator centralizes the operational control and management of multiple Cisco WCS management platforms. This easy-to-use platform delivers the following cross-system capabilities:

<http://www.cisco.com/c/en/us/products/wireless/wireless-control-system-navigator/index.html>

NEW QUESTION: 207

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The Copy and Replace AP feature is useful if you need to remove an access point from the network and replace it with a new access point. All of the access point information, such as AP mode, name, and map location needs to be copied from the old access point to the new access point.

<http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0MR1/configuration/guide/WCS70MR1/>

NEW QUESTION: 208

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Uploading the Configuration Files (GUI)

Step 1

Choose Commands > Upload File to open the Upload File from Controller page.

Step 2

From the File Type drop-down list, choose Configuration.

Step 3

Encrypt the configuration file by selecting the Configuration File Encryption check box and entering the encryption key in the Encryption Key text box.

Step 4

From the Transfer Mode drop-down list, choose from the following options:

Step 5

In the IP Address text box, enter the IP address of the server.

Step 6

In the File Path text box, enter the directory path of the configuration file.

Step 7

In the File Name text box, enter the name of the configuration file.

Step 8

If you are using an FTP server, follow these steps:

Step 9

Click Upload to upload the configuration file to the server. A message appears indicating the status of the upload. If the upload fails, repeat this procedure and try again.

http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-3/configuration/guide/b_cg73/b_wlc-cg_chapter_01010.html

NEW QUESTION: 209

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 210

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 211

Which two methods of authentication are available for Local EAP?

- A. Local and TACACS
- B. LDAP and Local
- C. Local and RADIUS
- D. LDAP and RADIUS

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 212

Periodically, Radio Resource Management can reconfigure the wireless network for best efficiency. Which two functions can be changed to meet network demands? (Choose two.)

- A. Remove clients that use too much bandwidth.
- B. Radio Monitoring for noise and interference.

- C. Disable AP radios that do not provide adequate coverage.
- D. Transmit Power Control
- E. Change channels to non-country channels if needed

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 213

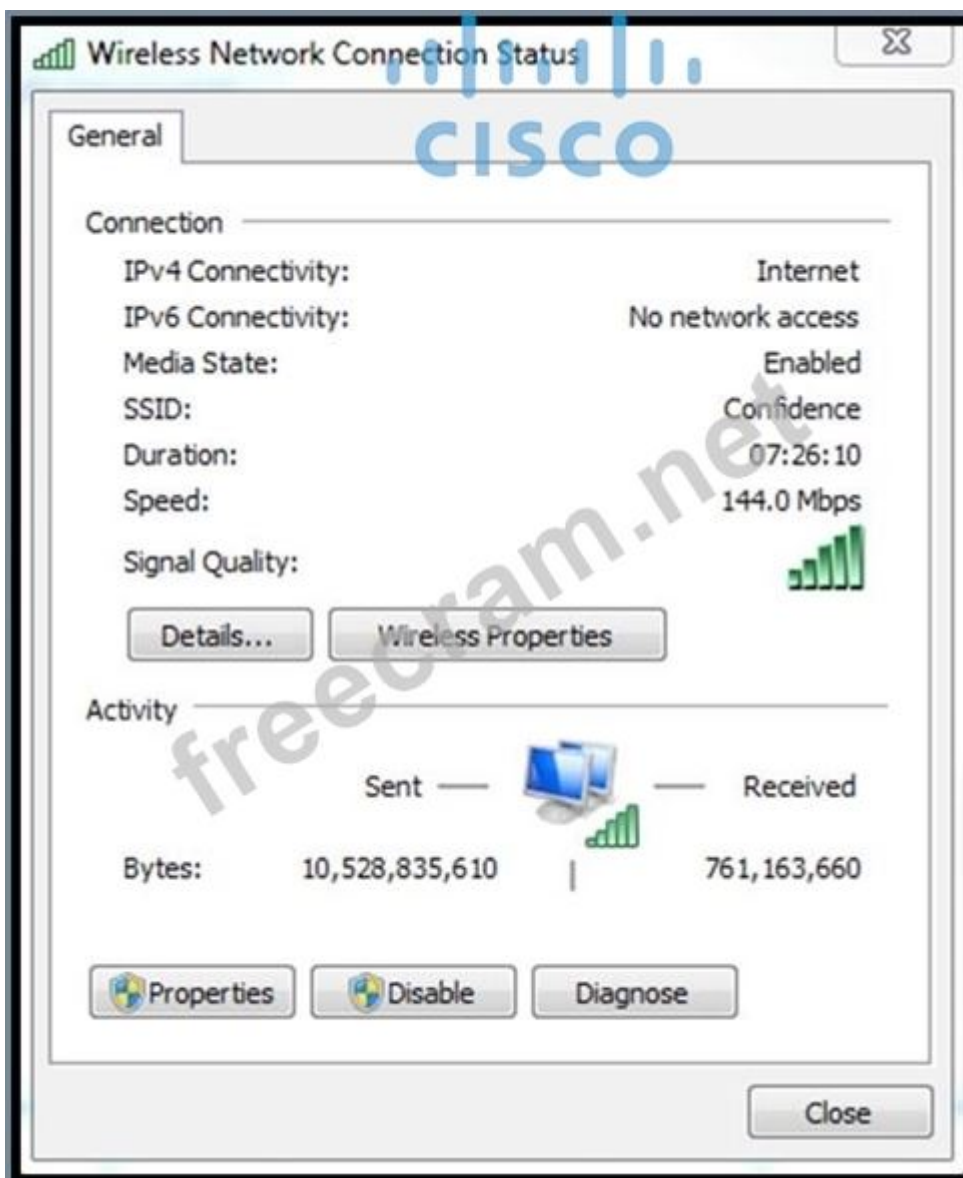
An engineer has just deployed a Cisco Aironet 3702 Access Point with an access layer switch that supports IEEE 802.1af Power over Ethernet. How will the access points react to the wattage that is available in 802.1af?

- 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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:



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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 215

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 216

What path displays the current maps within the WCS version 7 GUI?

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The physical location of the client (such as building, floor, and so on). Clicking the map location displays information in the Monitor > Maps page.

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0/configuration/guide/WCS70cg/7_0clientmgmt.html

NEW QUESTION: 217

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 218

DRAG DROP

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

Select and Place:

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:

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

NEW QUESTION: 219

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 220

How many types of control frames are only used in PCH mode?

- A. 0
- B. 4
- C. 2
- D. 1
- E. 5
- F. 3

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 221

During an upgrade, the wireless infrastructure has seen a few access points join and then drop off the network. After further investigation, it appears the access points may have an IOS code version that is causing issues. Where in the controller is this information found?

- A. GUI > Wireless > Access Point > General
- B. CLI > show ap image all
- C. GUI > Monitor > Software Version
- D. CLI > show sysinfo

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 222

To mitigate DoS attacks on a network, what security method should be implemented?

- A. WEP
- B. 802.1x
- C. Non-broadcast SSID
- D. Client MFP

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 223

An engineer wants to setup a mobility anchor for the Guest WLAN (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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 224

A customer wants to implement a policy on a guest WLAN, in which clients must accept the company wireless policy and enter an email address to access the guest network. The company does not have access to RADIUS servers and wants the WLAN to use open Layer 2 security. Which Layer 3 security web policy must be enabled to meet these criteria?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 225

Which description of the procedure for a lightweight AP to successfully establish a connection to a controller is true?

- 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.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 226

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Uploading the Configuration Files (GUI)

Step 1

Choose Commands > Upload File to open the Upload File from Controller page.

Step 2

From the File Type drop-down list, choose Configuration.

Step 3

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Step 4

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Step 5

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Step 6

In the File Path text box, enter the directory path of the configuration file.

Step 7

In the File Name text box, enter the name of the configuration file.

Step 8

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Step 9

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http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-3/configuration/guide/b_cg73/b_wlc-cg_chapter_01010.html

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NEW QUESTION: 227

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: ([**SHOW ANSWER**](#)**)**

Explanation/Reference:

Explanation:

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0/configuration/guide/WCS70cg/7_0reps.html

NEW QUESTION: 228

DRAG DROP

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

Select and Place:

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:

	EAP-MD5
	PEAP
	EAP-TLS
	LEAP
	EAP-FAST

NEW QUESTION: 229

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 230

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 231

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: B,D,E ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

802.11g is the third modulation standard for wireless LANs. It works in the 2.4 GHz band (like 802.11b) but operates at a maximum raw data rate of 54 Mbit/s. Using the CSMA/CA transmission scheme, 31.4 Mbit/s is the maximum net throughput possible for packets of 1500 bytes in size and a 54 Mbit/s wireless rate (identical to 802.11a core, except for some additional legacy overhead for backward compatibility).

In practice, access points may not have an ideal implementation and may therefore not be able to achieve even 31.4 Mbit/s throughput with 1500 byte packets. 1500 bytes is the usual limit for packets on the Internet and therefore a relevant size to benchmark against. Smaller packets give even lower theoretical throughput, down to 3 Mbit/s using 54 Mbit/s rate and 64 byte packets. Also, the available throughput is shared between all stations transmitting, including the AP so both downstream and upstream traffic is limited to a shared total of 31.4 Mbit/s using 1500 byte packets and 54 Mbit/s rate. 802.11g hardware is fully backwards compatible with 802.11b hardware. Details of making b and g work well together occupied much of the lingering technical process. In an 802.11g network, however, the presence of a legacy

802.11b participant will significantly reduce the speed of the overall 802.11g network. Some 802.11g routers employ a back-compatible mode for 802.11b clients called 54g LRS (Limited Rate Support). [2] The modulation scheme used in 802.11g is orthogonal frequency-division multiplexing (OFDM) copied from 802.11a with data rates of 6, 9, 12, 18, 24, 36, 48, and 54 Mbit/s, and reverts to CCK (like the

802.11b standard) for 5.5 and 11 Mbit/s and DBPSK/DQPSK+DSSS for 1 and 2 Mbit/s. Even though 802.11g operates in the same frequency band as 802.11b, it can achieve higher data rates because of its heritage to 802.11a.

http://en.wikipedia.org/wiki/IEEE_802.11g-2003

NEW QUESTION: 232

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 233

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

PEAP/GTC is supported on Cisco Compatible Version 2 clients and above.

http://www.cisco.com/c/en/us/products/collateral/wireless/aironet-1300-series/prod_qas09186a00802030dc.html

NEW QUESTION: 234

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

ZigBee is based on the IEEE 802.15.4 protocol for WPAN, and aims at developing hardware and

applications with a low data rate but also low power consumption and low complexity --for example, to control sensors. ZigBee-based products can access up to 16 separate 5 MHz channels in the 2.4 GHz band and are not compatible with 802.11 devices. The maximum power of ZigBee is 60 mW. Devices use low.

NEW QUESTION: 235

A customer is expecting wireless traffic in excess of 20 Gbps to traverse a single controller. Which wireless controller model fulfills this requirement?

- A. Cisco 5760 Wireless Controller
- B. Cisco Wireless Services Module 2
- C. Cisco 2504 Wireless Controller
- D. Cisco 8510 Wireless Controller
- E. Cisco 5500 Wireless Controller
- F. Cisco Virtual Wireless Controller

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 236

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The iPhone4 only supports 2.4 Ghz wireless. 5 Ghz wireless support was added with the iPhone5.

NEW QUESTION: 237

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. existing Network Switch types and model numbers
- C. utilization of Location Services or voice applications

D. spectrum analysis to locate all the computer work stations

E. use of wireless for secure records

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 238

An engineer would like to setup secure authentication for a wireless network that will utilize single sign-on.

Which two authentication methods can be used to accomplish this? (Choose two.)

A. LDAP

B. RADIUS

C. Local authentication

D. WEP

E. PSK

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 239

Which two pieces of information are needed for the wireless client to connect to the wireless network? (Choose two.)

A. SSID

B. security settings

C. channel number

D. AP name

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 240

Microsoft Active Directory integrated machines are not authenticating to the internal WLAN. The WLAN settings are WPA2-AES-802.1x and are authenticating to a Cisco Identity Services Engine server. You investigate and note that non-domain authenticated machines are properly authenticating to the WLAN using their Active Directory credentials. Why would this problem occur?

A. The WLAN is configured improperly in group policy.

B. The ACS server is not joined to the domain, causing authentications to fail.

C. The domain machines are configured to disable the wireless adapter.

D. The non-domain machines are using local accounts that are not authenticated through the domain.

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 241

What technology consists of small, low-power digital radios?

- A. LTE
- B. WiFi
- C. ZigBee
- D. Bluetooth

Answer: C (LEAVE A REPLY)

Explanation/Reference:

Explanation:

ZigBee is based on the IEEE 802.15.4 protocol for WPAN, and aims at developing hardware and applications with a low data rate but also low power consumption and low complexity --for example, to control sensors. ZigBee-based products can access up to 16 separate 5 MHz channels in the 2.4 GHz band and are not compatible with 802.11 devices. The maximum power of ZigBee is 60 mW. Devices use low consumption most of the time but can spike when needed: The impact on wireless networks can then be significant.

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NEW QUESTION: 242

On which two OSI layers does the IEEE focus in 802 standardization? (Choose two.)

- A. physical
- B. data-link
- C. network
- D. transport
- E. session
- F. presentation
- G. application

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 243

A wireless bridge is being installed near an airport. An organization informs the city council about complying with max power levels that could be used and settings on any 5GHz channels used that might interfere with the airport radar. What organization is this?

- A. Institute of Electrical and Electronics Engineers
- B. Internet Engineering Task Force
- C. Federal Communications Commission
- D. Wireless Fidelity Alliance

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 244

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 245

Due to the terrain, a deployment requires a point-to-point wireless bridge to allow for network connectivity to a remote building. What 5GHz band would be permitted to use the highest power in the U.S.?

- A. U-NII-3
- B. U-NII-2 Extended
- C. U-NII-2
- D. U-NII-1

Answer: A ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 246

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

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 247

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 248

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 249

What two access methods are enabled by default on a Cisco WLC? (Choose two.)

- A. Telnet
- B. VPN
- C. HTTP
- D. HTTPS
- E. SFTP
- F. SSH

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 250

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 43

Locally 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 resolution

DHCP option 43

C. Layer 3 CAPWAP or LWAPP broadcast discovery

Locally stored controller IP address discovery

DHCP option 43

DNS controller name resolution

D. DNS controller name resolution

DHCP option 43

Layer 3 CAPWAP or LWAPP broadcast discovery

Locally stored controller IP address discovery

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 251

Instructions:

THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION

▪

To access the multiple-choice questions, 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.

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

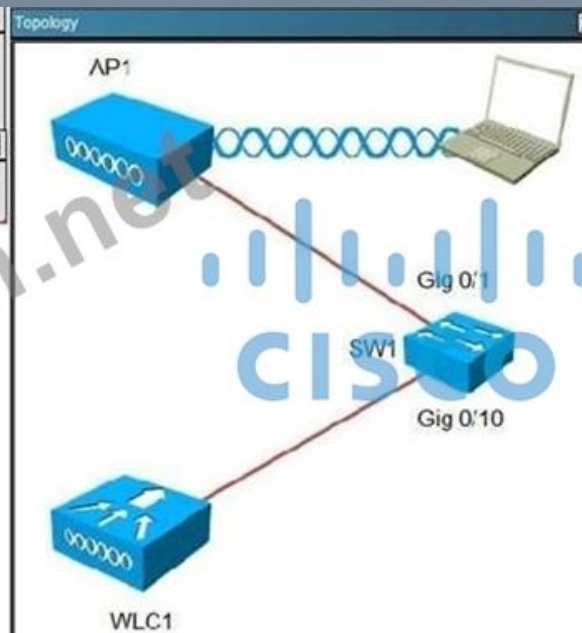
Interface Name	
vlan20	▼
vlan40	▼
vlan50	▼

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

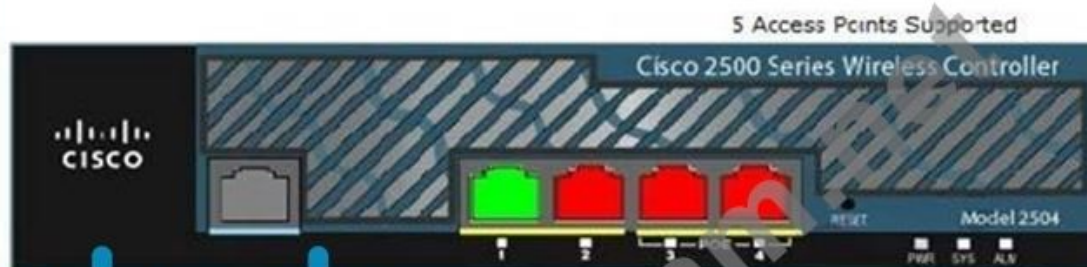
A wireless LAN controller, AP, IOS switch, and wireless client have been properly configured. Use the exhibits to answer the question.



WLC1 - Monitor Summary

[MONITOR](#) [WLANs](#) [CONTROLLER](#) [WIRELESS](#) [SECURITY](#) [MANAGEMENT](#) [COMMANDS](#) [HELP](#) [FEEDBACK](#)

Summary



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
Active Rogue Clients	0
Adhoc Rogues	0
Rogues on Wired Network	0

Top WLANs

Profile Name	#
ExamSSID	1

WLC1 - Interfaces

[MONITOR](#) [WLANs](#) [CONTROLLER](#) [WIRELESS](#) [SECURITY](#) [MANAGEMENT](#) [COMMANDS](#) [HELP](#)

Interfaces

Interface Name	VLAN Identifier	IP Address	Interface Type	Dynamic AP M
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



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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The IP addresses will be assigned round robin to the three interface groups, which we can see are vlan20, vlan40, and vlan50. From the WLC-interfaces tab we see that the IP addresses assigned to these 3 interfaces are 172.16.12.10, 172.16.14.10, and 192.168.25.10, respectively.

NEW QUESTION: 252

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: ([SHOW ANSWER](#))

Explanation/Reference:
Explanation:

NEW QUESTION: 253

DRAG DROP

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

Select and Place:

802.11 frame translation and bridging

mobility management

encryption downstream

providing real-time signal-quality

QoS policies

decryption upstream

Controller

Target

Target

Target

AP

Target

Target

Target

Answer:

Controller

QoS policies

mobility management

802.11 frame translation and bridging

AP

providing real-time signal-quality

encryption downstream

decryption upstream

NEW QUESTION: 254

Refer to the exhibit.

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

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 255

What three components are required to configure Mobility Group Members between Wireless LAN Controllers? (Choose three.)

- A. Controller Management IP Address
- B. Controller Virtual IP Address
- C. Controller Multicast IP Address
- D. Controller MAC Address
- E. Controller Mobility Group Name
- F. Controller AP Management IP Address
- G. Controller RF Group Name

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 256

Which software application tool can be used for verification of signal strength?

- A. inSSIDer
- B. LANDnav
- C. WLC-EAP
- D. ICMP

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Reference:

<https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057-site-survey-guidelines-wlan-00.html#anc35>

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NEW QUESTION: 257

Refer to the exhibit.



During deployment of a WLC on a customer site, the GUI log displayed this error message. What could be causing this error?

- A. An access point has been assigned to an AP group that has reached maximum capacity.
- B. An access point has been assigned to an AP group that has been deleted.
- C. An access point has been removed from an AP group and assigned to a FlexConnect AP group.
- D. An access point has been removed from an AP group and assigned to the default AP group.

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 258

A network engineer is troubleshooting a LAP that is unable to join the controller and receives this message:

LWAPP_CLIENT_ERROR_DEBUG: No more AP manager IP addresses remain

What does the log indicate?

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

Answer: (SHOW ANSWER)

NEW QUESTION: 259

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 260

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

- A. 6.2
- B. 10.74
- C. 8.6
- D. 6.46

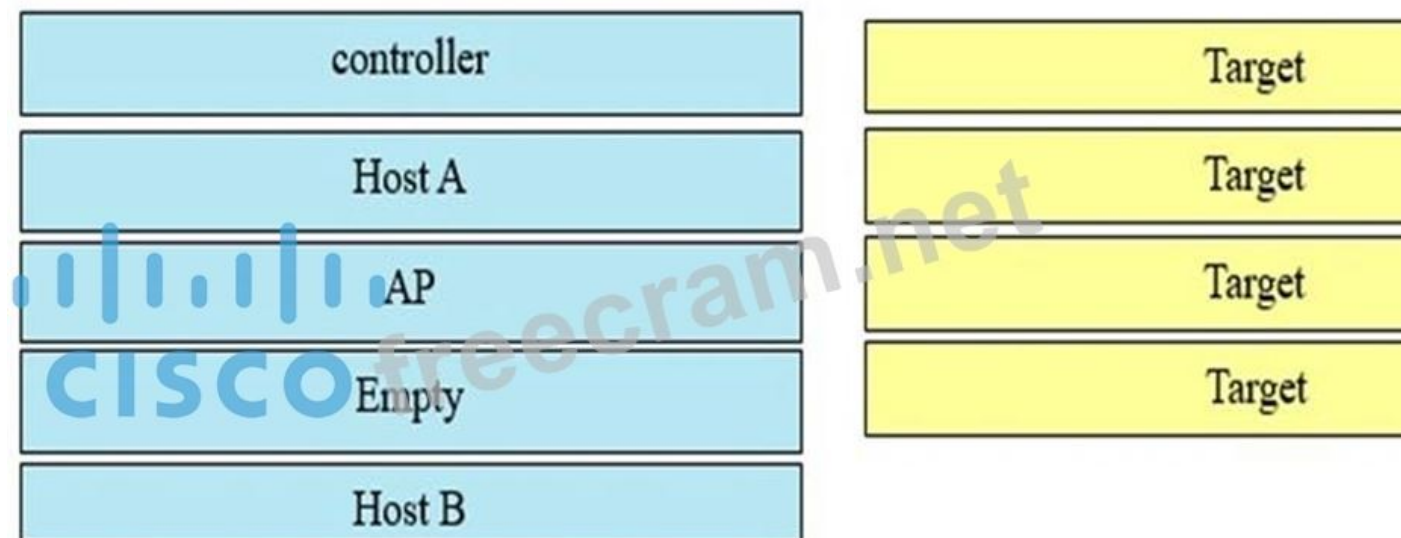
Answer: ([SHOW ANSWER](#))

NEW QUESTION: 261

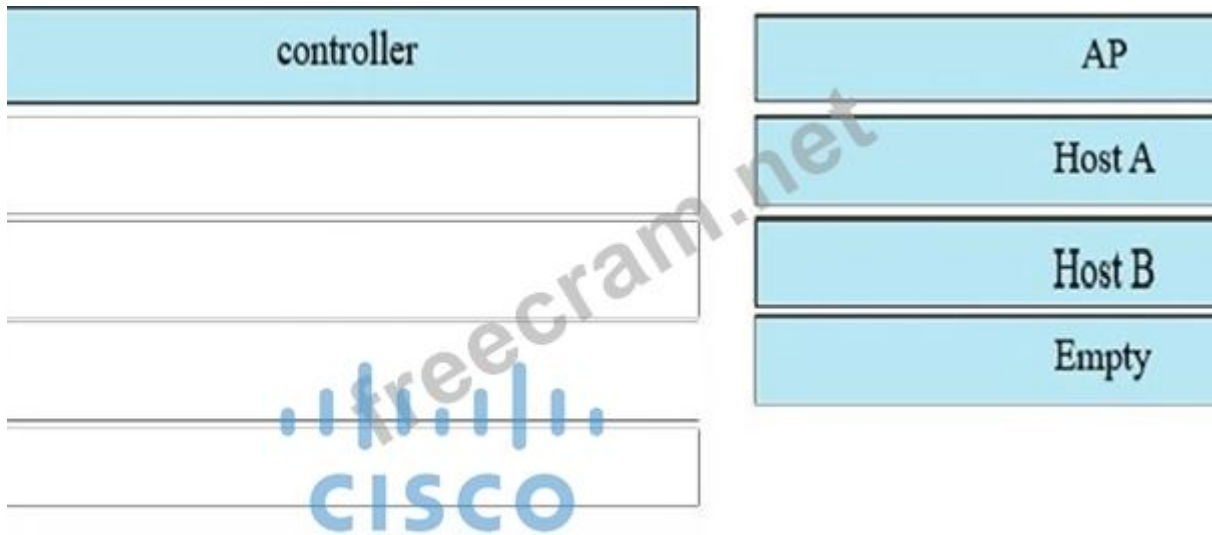
DRAG DROP

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.

Select and Place:



Answer:



NEW QUESTION: 262

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 263

What is the deployment that requires least amount of hardware installed on the site?

- A. Cloud
- B. Converged
- C. Centralized

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 264

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 265

Refer to the exhibit.



What is the meaning of the inverted orange triangle (marked "0") in the Alarm Summary tab of Cisco WCS?

- A. number of major alarms
- B. number of minor alarms
- C. number of critical alarms

D. number of system alarms

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/6-0/configuration/guide/WCS60cg/6_0event.html

NEW QUESTION: 266

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 267

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 268

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 269

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

FHSS is still described in the original 802.11 protocol, but another technique was preferred and adopted by all 802.11 networks: Direct Sequence Spread Spectrum. Instead of small channels and a jumping sequence, the information is sent over a wider channel. This channel is 22 MHz wide (if the center frequency is 2.412, this channel spans from 2.401 GHz to 2.423 GHz) and does not move (no hopping, which is why the sequence is said to be direct instead of hopping). Then, over this 22 MHz channel, several bits of information are sent in parallel. If a source of interference affects part of the channel, it will prevent only the bits sent in that frequency from reaching the receiver.

NEW QUESTION: 270



The site in this AirMagnet Survey heat map is ready for which level of service?

- A. data
- B. voice
- C. location
- D. RFID

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 271

Which color and status of the LED indicate that at least one client is connected to a Cisco 2702 series access point?

- A. solid blue
- B. blinking blue
- C. solid red
- D. solid green

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Reference: https://www.cisco.com/c/en/us/td/docs/wireless/access_point/2700/quick/guide/ap2700getstart.html

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NEW QUESTION: 272

What is a function of the service port on a WLC?

- A. controls mobility manager communications on all physical ports
- B. controls out-of-band management for system recovery and maintenance
- C. controls communication with Cisco Aps
- D. controls communications for all physical ports

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 273

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

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

Answer: (SHOW ANSWER)

NEW QUESTION: 274

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

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

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

WCS simplifies controller configuration and monitoring and reduces data entry errors. WCS uses the industry-standard SNMP protocol to communicate with the controllers. WCS also includes the Floor Plan

editor which allows you to do the following:

Vectorize bitmapped campus, floor plan, and outdoor area maps.

Add and change wall types.

Import the vector wall format maps into the database.

NEW QUESTION: 275

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 276

What are two modules of the CCX Lite program? (Choose two.)

- A.** foundation
- B.** voice
- C.** RF power
- D.** roaming

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

In summer 2011, Cisco separated the CCX features into four subfamilies to help vendors integrate only those features that are needed for their specific wireless clients (called application-specific devices, which are devices built for a specific function [for example, barcode scanners or VoWLAN phones] and therefore do not need all the CCX features that a data laptop would need). This is called the CCX Lite program.

NEW QUESTION: 277

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 278

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The VPN module is mandatory for all other modules to function correctly and must be installed first. Even if the VPN module is not selected for installation, it will be pushed and installed on the client.

<http://www.cisco.com/c/en/us/support/docs/security/anyconnect-secure-mobility-client/118714-configure-ise-00.html>

NEW QUESTION: 279

Which signal does Cisco recommend using at the cell edge when performing a site survey for VoWLAN applications?

- A. -85 dBm
- B. -56 dBm
- C. -67 dBm
- D. -78 dBm

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 280

What is the European Standard equivalent of the FCC?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 281

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

The message logs include information related to the network infrastructure, client issues, authentication issues, and AP association issues

NEW QUESTION: 282

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 283

An engineer is seeing a pattern closest to that of an Isotropic Radiator. What other antenna will produce a similar pattern?

- A. 5 dBi patch
- B. 13.5 dBi Yagi
- C. 2.2 dBi omni
- D. 21 dBi parabolic

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 284

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 285

What is the command used to debug an AP that is not able to join the WLC?

- A. debug capwap events enable (on the WLC)
- B. debug capwap events enable (on the AP)

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 286

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

<http://www.cisco.com/c/en/us/td/docs/wireless/wcs/4-1/configuration/guide/wcscfg41/wcswarr.html>

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NEW QUESTION: 287

Refer to the exhibit.

```
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
  switchport trunk native vlan 44
  switchport mode trunk
end
```

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 288

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

General Notes and Guidelines for Using the Map Editor Consider the following when modifying a building or floor map using the map editor.

Cisco recommends that you use the map editor to draw walls and other obstacles rather than importing an

.FPE file from the legacy floor plan editor.

If necessary, you can still import .FPE files. To do so, navigate to the desired floor area, choose box, and browse to and choose the .FPE file.

You can add any number of walls to a floor plan with the map editor; however, the processing power and memory of a client workstation may limit the refresh and rendering aspects of WCS.

Cisco recommends a practical limit of 400 walls per floor for machines with 1-GB RAM or less.

All walls are used by WCS when generating RF coverage heatmaps.

However, the MSEs use no more than 50 heavy walls in its calculations, and the MSE does not use light walls in its calculations because those attenuations are already accounted for during the calibration process.

If you have a high resolution image (near 12 megapixels), you may need to scale down the image resolution with an image editing software prior to using map editor.

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0/configuration/guide/WCS70cg/7_0maps.html

NEW QUESTION: 289

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 290

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 291

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 292

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 293

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 294

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: A,E ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 295

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 ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 296

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 ([LEAVE A REPLY](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 297

A Cisco WCS administrator has marked an alarm as acknowledged. For how many days does Cisco WCS prevent the alarm from reappearing, even if the source of the alarm reoccurs?

- A. 1
- B. 7
- C. 10
- D. 30

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

WCS automatically deletes cleared alerts that are more than seven days old; therefore, your results can show activity only for the last seven days. Until an existing alarm is deleted, a new alarm cannot be generated for any managed entity for which WCS has already generated an alarm.

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0/configuration/guide/WCS70cg/7_0event.pdf

NEW QUESTION: 298

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

For every 0 or 1 you want to send, DSSS generates a code representing that 0 or that 1. This code, also called symbol or chip, can be a sequence of up to 11 bits (this is called the Barker 11 code), and these 11 bits are sent in parallel over the 22 MHz channel. You can lose up to nine of these 11 bits due to interferences and still understand whether the code sent was supposed to represent a 0 or a 1.

NEW QUESTION: 299

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 300

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

IEEE and industry standards define how a Wi-Fi radio interoperates with a wireless LAN infrastructure, and the Wi-Fi CERTIFIED™ seal ensures interoperability. For many organizations that rely on mobile computers, however, Wi-Fi CERTIFIED is not enough. These organizations need assurance that their mobile computers will interoperate with a Cisco wireless LAN infrastructure and support Cisco wireless LAN innovations for enhanced security, mobility, quality of service, and network management. The Cisco Compatible seal gives organizations the assurance that they seek.

A mobile computer earns the Cisco Compatible seal through a program called Cisco Compatible Extensions, or CCX. Like the Wi-Fi certification program, CCX:

The CCX specification is a superset of that used for Wi-Fi certification. In fact, a device cannot be

certified for CCX unless it, or the Wi-Fi radio inside it, is Wi-Fi CERTIFIED.

http://www.digikey.com/Web%20Export/Supplier%20Content/Laird_776/PDF/laird-wireless-value-cisco-compatible-extension.pdf?redirected=1

NEW QUESTION: 301

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 is two multiple-choice question with this task. Be sure to answer the question 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 issue.

802.11a Network

MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK

802.11a Global Parameters

General	
802.11a Network Status	☒ Enabled
Beacon Period (milliseconds)	100
Fragmentation Threshold (bytes)	2346
DTPC Support	☒ Enabled

802.11a Band Status	
Low Band	Enabled
Mid Band	Enabled
High Band	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

11n Parameters	
ClientLink	Enabled

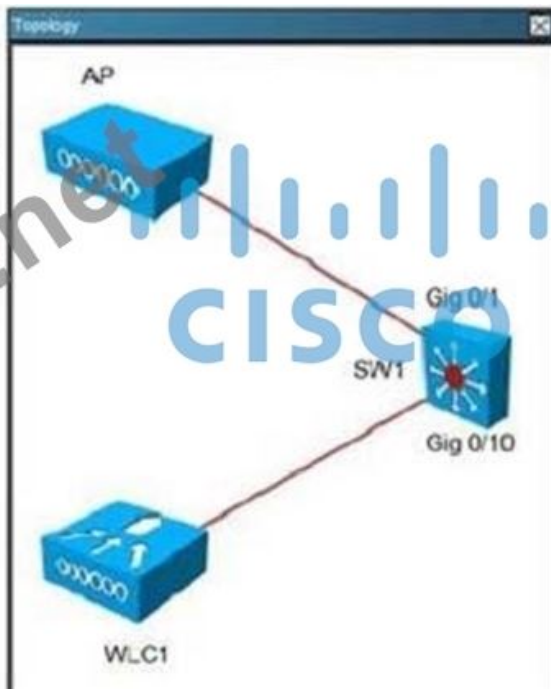
CCX Location Measurement	
Mode	☐ Enabled

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

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.



802.11bg Network

MONITOR

WLANs

CONTROLLER

WIRELESS

SECURITY

MANAGEMENT

COMMANDS

HELP

FEEDBACK

802.11b/g Global Parameters

General

802.11b/g Network Status

☒ Enabled

802.11g Support

☒ Enabled

Beacon Period (milliseconds)

100

Short Preamble

☒ Enabled

Fragmentation Threshold (bytes)

2346

DTIM Support

☒ Enabled

11n Parameters

ClientLink

☐ Enabled

CCX Location Measurement

Mode

☐ Enabled

Data Rates**

1 Mbps	Disabled
2 Mbps	Disabled
5.5 Mbps	Disabled
6 Mbps	Supportec
9 Mbps	Supportec
11 Mbps	Disabled
12 Mbps	Mandatory
18 Mbps	Supporter
24 Mbps	Supportec
36 Mbps	Supportec
48 Mbps	Supportec
54 Mbps	Supportec

802.11a/n Cisco APs > Configure

MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK

General

AP Name	AP442b.036d.4dCf
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	☒
Antenna B	☒

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

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 General

MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK

WLANs > Edit 'ExamSSID'

General Security OoS 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

802.11bg/n Cisco APs > Configure

General

AP Name: AP442B.U6d.4dof

Admin Status:

Operational Status: UP

Slot #: 0

11n Parameters

11n Supported: Yes

ClientLink: ☐

CleanAir

CleanAir Capable: No

CleanAir Admin Status:

Antenna Parameters

Antenna Type: Internal

Antenna: A ☒ 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

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

MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP

WLANs

WLANs > Edit 'ExamSSID'

General Security QoS Advanced

Layer 2 Layer 3 AAA Servers

Layer 2 Security: WPA+WPA2

☒ 802.11 MAC Filtering

WPA+WPA2 Parameters

WPA Policy: ☐

WPA2 Policy: ☒

WPA2 Encryption: ☐ AES ☒ TKIP

Auth Key Mgmt: PSK

PSK Format: ASCII



Old 2.4-GHz wireless laptops are unable to connect. 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 b/g/n AP is incorrectly configured.
- F. Wireless > AP > 802.11 b/g/n > Network is incorrectly configured.

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

ClientLink is not enabled and should be in a mixed client environment. Many networks still support a mix of

802.11a/g and 802.11n clients. Because 802.11a/g clients (legacy clients) operate at lower data rates, the older clients can reduce the capacity of the entire network. Cisco's ClientLink technology can help solve problems related to adoption of 802.11n in mixed-client networks by ensuring that 802.11a/g clients operate at the best possible rates, especially when they are near cell boundaries.

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NEW QUESTION: 302

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 is two multiple-choice question with this task. Be sure to answer the question 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.

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

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

```
graph TD; AP[AP] --- SW1[SW1 Gig 0/1]; SW1 --- WLC1[WLC1 Gig 0/10];
```

802.11an Network

MONITOR

WLANs

CONTROLLER

WIRELESS

SECURITY

MANAGEMENT

COMMANDS

HELP

FEEDBACK

802.11a Global Parameters

General

802.11a Network Status

☒ Enabled

Beacon Period (milliseconds)

100

Fragmentation Threshold (bytes)

2346

OTPC Support

☒ Enabled

802.11a Band Status

Low Band

Enabled

Mid Band

Enabled

High Band

Enabled

11n Parameters

Client link

☒ 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

802.11b/g Global Parameters

CISCO

General

802.11b/g Network Status	☒ Enabled
802.11g Support	☒ Enabled
Beacon Period (milliseconds)	100
Short Preamble	☒ Enabled
Fragmentation Threshold (bytes)	2346
DTPC Support	☒ Enabled

11n Parameters

ClientLink	☐ Enabled
------------	----------------------------------

CCX Location Measurement

Mode	☐ Enabled
------	----------------------------------

Data Rates**

1 Mbps	Disabled
2 Mbps	Disabled
5.5 Mbps	Disabled
6 Mbps	Supported
9 Mbps	Supported
11 Mbps	Disabled
12 Mbps	Mandatory
18 Mbps	Supported
24 Mbps	Supported
36 Mbps	Supported
48 Mbps	Supported
54 Mbps	Supported

802.11a AP

802.11a/n Cisco APs > Configure

CISCO

General

AP Name	AP442b.036d.4dcf
Admin Status	Enable
Operational Status	UP
Dot #	1

11n Parameters

11n Supported	Yes
ClientLink	☐ Enabled

CleanAir

CleanAir Capable	No
CleanAir Admin Status	Disable

Antenna Parameters

Antenna Type	Internal
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.

WLAN General

MONITOR
WLANs
CONTROLLER
WIRELESS
SECURITY
MANAGEMENT
COMMANDS
HELP
FEEDBACK

WLANs > Edit 'ExamSSID'

General
Security
QoS
Advanced

Profile Name
Type
SSID
Status

ExamSSID
WLAN
ExamSSID
☒ Enabled

Security Policies

[WPA2][Auth(PSK)]
(Modifications done under security tab will appear after applying the changes.)

Radio Policy
Interface/Interface Group(G)
Multicast Mm Feature
Broadcast SSID

802.11b/g only
management
☐ Enabled
☐ Enabled

802.11b/g AP

MONITOR
WLANs
CONTROLLER
WIRELESS
SECURITY
MANAGEMENT
COMMANDS
HELP
FEEDBACK

802.11b/g/n Cisco APs > Configure

General
RF Channel Assignment
11n Parameters
CleanAir
Antenna Parameters

AP Name
Admin Status
Operational Status
Slot #

AP442B-02B5-4D0F
Enable
UP
0

11n Supported
ClientLink

Yes
☐

CleanAir Capable
CleanAir Admin Status

No
☐

Antenna Type
Antenna

Internal
A
B
C

Current Channel
Channel Width
Assignment Method

11
20 MHz
Global

Tx Power Level Assignment

Current Tx Power Level
Assignment Method

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 this may result in loss of connectivity for some clients.

WLAN QoS

MONITOR
WLANs
CONTROLLER
WIRELESS
SECURITY
MANAGEMENT
COMMANDS

WLANs

WLANs
Advanced

WLANs > Edit 'ExamSSID'

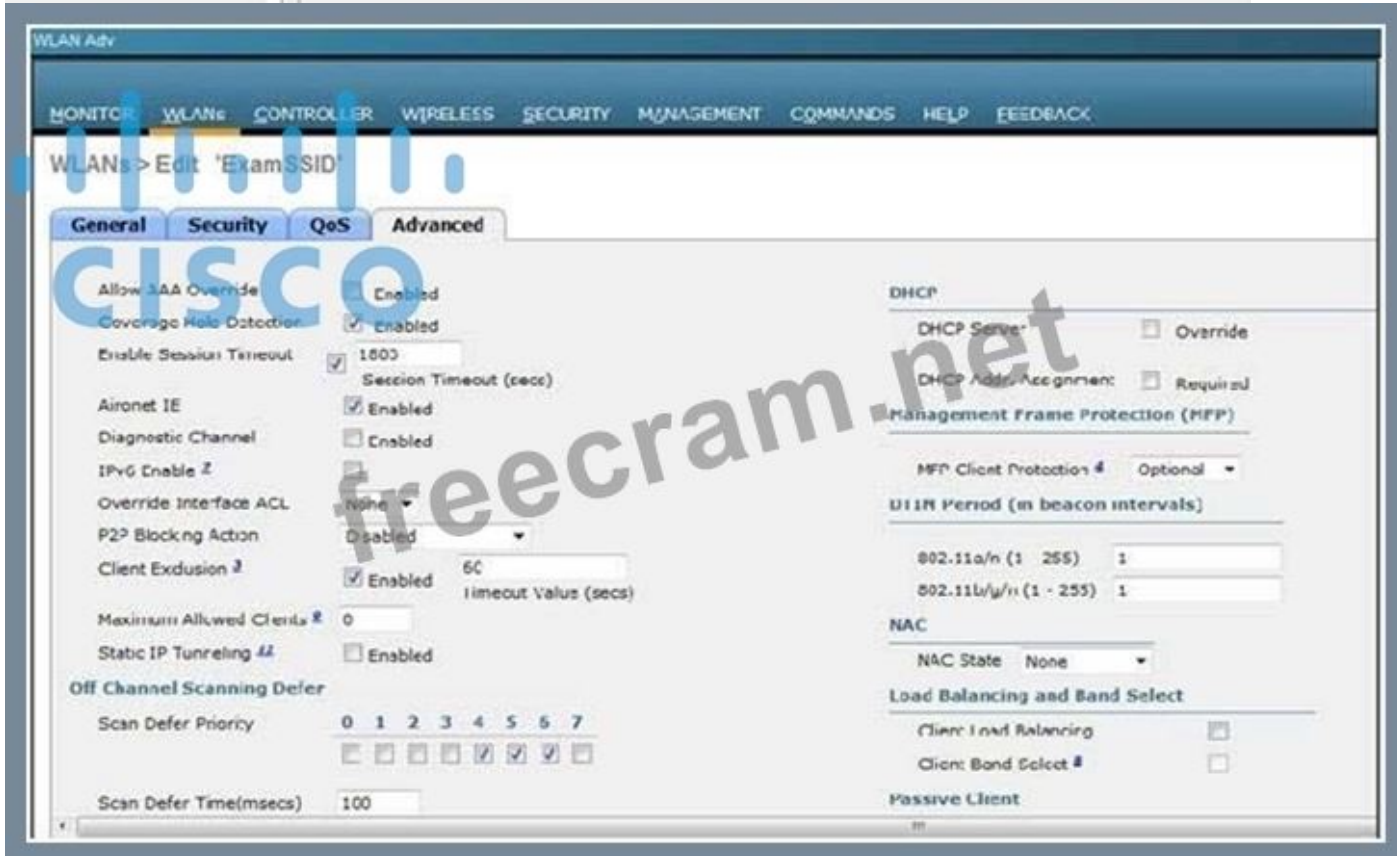
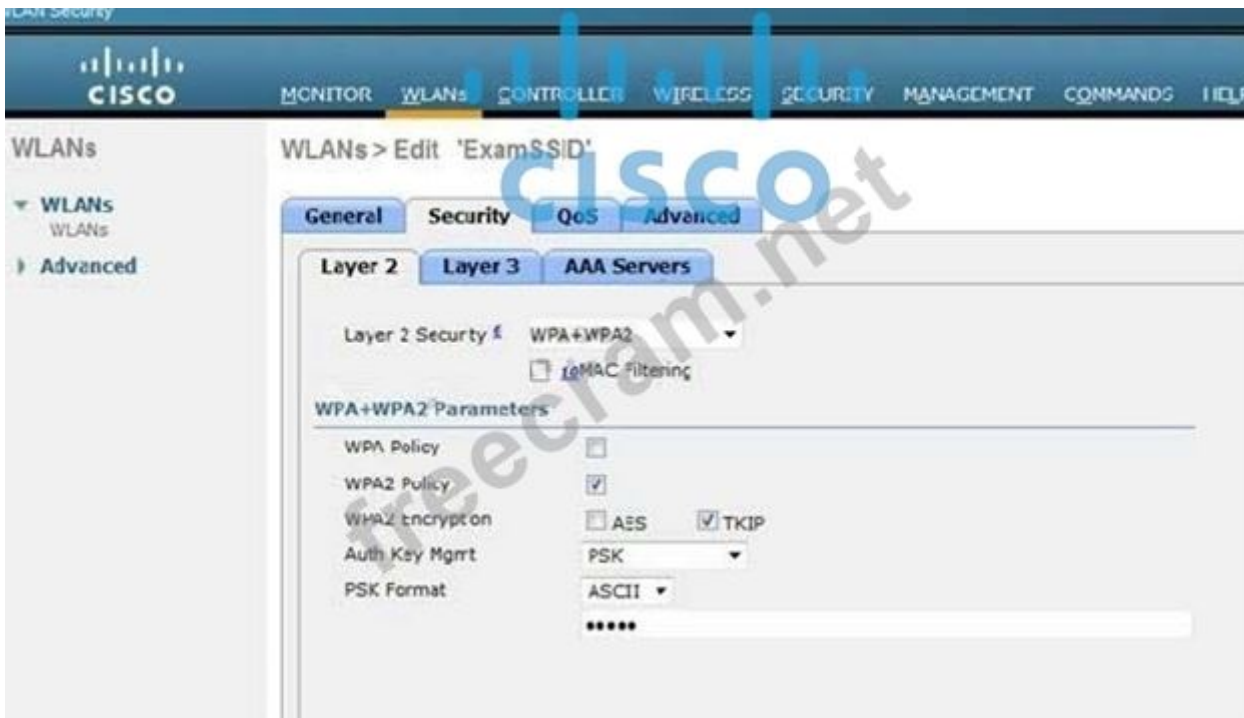
General
Security
QoS
Advanced

Quality of Service (QoS)
WMM

Silver (best effort)
Required

7320 AP CAC
7320 Client CAC

☐ Enabled
☐ 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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

802.11n only supports open authentication or the use of WPAv2 with AES. From the output shown in this question, we can see that WPA/WPA2 using TKIP has been configured, not AES.

NEW QUESTION: 303

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 304

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.

Select and Place:

Can be used for site surveys	AP Sniffer Mode
No client connectivity	
Seeks rouge APs and clients	
Requires external server to capture data	AP Monitor Mode
Works with third-party products	
Data services	
	AP Local Mode



Answer:

	AP Sniffer Mode
	Requires external server to capture data
	Works with third-party products
	AP Monitor Mode
	No client connectivity
	Seeks rouge APs and clients
	AP Local Mode
	Can be used for site surveys
	Data services



NEW QUESTION: 305

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

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

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Reports are saved in either CSV or PDF format and are either saved to a file on WCS for later download or e-mailed to a specific e-mail address.

http://www.cisco.com/c/en/us/td/docs/wireless/wcs/7-0/configuration/guide/WCS70cg/7_0reps.html.

NEW QUESTION: 306

Which three statements must be true for Cisco WLCs to support roaming? (Choose three.)

- A. Controllers are in the same mobility group.
- B. Controllers need to have the same hostname.
- C. ACLs are the same.
- D. Virtual interface IP addresses are the same.
- E. Controllers have different versions of code.
- F. Controllers operate in different LWAPP modes.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 307

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 308

DRAG DROP

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

Select and Place:

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:

	Five bars with shield
	Five bars without shield
Three boxes with gold star	Three boxes with gold star
Three boxes without gold star	Three boxes without gold star
Five bars with gold star	
Five bars without gold star	

NEW QUESTION: 309

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

Assigning the IP Address to the BVI

When you assign an IP address to the access point by using the CLI, you must assign the address to the bridge-group virtual interface (BVI). Beginning in a privileged EXEC mode, follow these steps to assign an IP address to the access point BVI using the access point console port. Command Purpose Step 1 configure terminal

Enter global configuration mode.

Step 2

interface bvi1

Enters interface configuration mode for the BVI.

Step 3

ip address ip_address net_mask

Assigns an IP address and subnet mask address to the BVI.

http://www.cisco.com/c/en/us/td/docs/wireless/access_point/1140/autonomous/getting_started/guide/ap1140aut_getstart.html

NEW QUESTION: 310

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: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 311

What command can be used on the WLC to show the logs (or something) for an AP with the name Cisco_AP?

- A. show logging
- B. show ap eventlog Cisco_AP

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

NEW QUESTION: 312

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: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 313

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 30

B. config interface vlan management 1

C. config interface vlan management 20

D. config interface vlan management 0

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 314

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. wireless client

B. RADIUS server

C. AP

D. WLC

E. supplicant

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 315

An enterprise needs their iPhones to connect to the EAP-TLS network. How should the devices be configured?

A. push profile and certificate through Configuration Utility

B. configure directly through Settings application

C. email certificate to device then configure through Settings application

D. download certificate from web page then configure through Settings application

E. push profile and certificate through iTunes

Answer: ([SHOW ANSWER](#))

Explanation/Reference:

Explanation:

NEW QUESTION: 316

What two capabilities would be present on a wireless client device that supports CCXv3? (Choose two.)

- A. WPA2
- B. 802.1x
- C. PEAP-MSCHAP
- D. NAC
- E. MFP
- F. EAP-TLS

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

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NEW QUESTION: 317

What is the maximum number of access points supported on Cisco WCS with an enterprise license?

- A. 5,000
- B. 10,000
- C. 50,000
- D. 100,000

Answer: (SHOW ANSWER)

Explanation/Reference:

Explanation:

http://www.cisco.com/c/en/us/products/collateral/wireless/wireless-control-system/product_data_sheet0900aecd804b4646.html

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