300-370 Dumps

Troubleshooting Cisco Wireless Enterprise Network

https://www.certleader.com/300-370-dumps.html

NEW QUESTION 1

An engineer must open a support case with Cisco TAC. Which two commands verify the model and serial number of a controller? (Choose two)

A. show sysinfo
B. show udi
C. show inventory
D. show boot
E. show tech-support

Answer: AB

NEW QUESTION 2

Which channel width is the maximum that can be obtained by bonding two 802.11 ac subchannels according to US regulations?

A. 160 MHz
B. 120 MHz
C. 84 MHz
D. 240 MHz

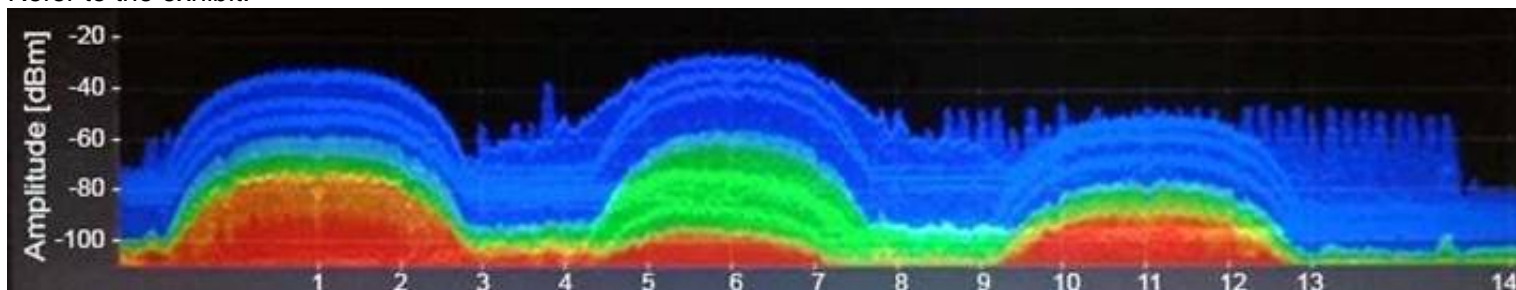**Answer:** A

Explanation:

To increase throughput, 802.11ac introduces two new channel widths. All 802.11ac devices are required to support 80 MHz channels, which doubles the size of the spectral channel over 802.11n. It further adds a 160 MHz channel option for even higher speeds. Due to the limitations of finding contiguous 160 MHz spectrum, the standard allows for a 160 MHz channel to be either a single contiguous block or two noncontiguous 80 MHz channels.

NEW QUESTION 3

An engineer is troubleshooting non-802 11 interference and observes this output. Which type of interference signatures can be identified?
Refer to the exhibit.

A. one frequency hopping Bluetooth
B. two healthy CCK and one malformed OFDM
C. three broadband jammers
D. two strong microwave ovens and one moderate

Answer: B

NEW QUESTION 4

A new wireless deployment with high AP density is experiencing high latency and connectivity issues on the 24 GHz band, despite an initial site survey done by a certified partner. Which option is the most impactful change a wireless consultant recommends?
Refer to the exhibit.

A. Increase the fragmentation threshold to allow larger packets over the air.

B. Reduce the beacon period because it reduces the RF interference.
C. Disable lower data rate, such as 1 Mbps and 2 Mbps.
D. Disable the short preamble.
E. Disable 80211g support to reduce interferenc

Answer: C

NEW QUESTION 5
Which ports require unrestricted port access for CleanAir RF spectrum analysis between the AP and Cisco Spectrum Expert?

A. UDP 5246 and 5247
B. UDP 37540 and 37550
C. TCP 16113 and 16114
D. TCP 37540 and 37550
E. TCP 5246 and 5247
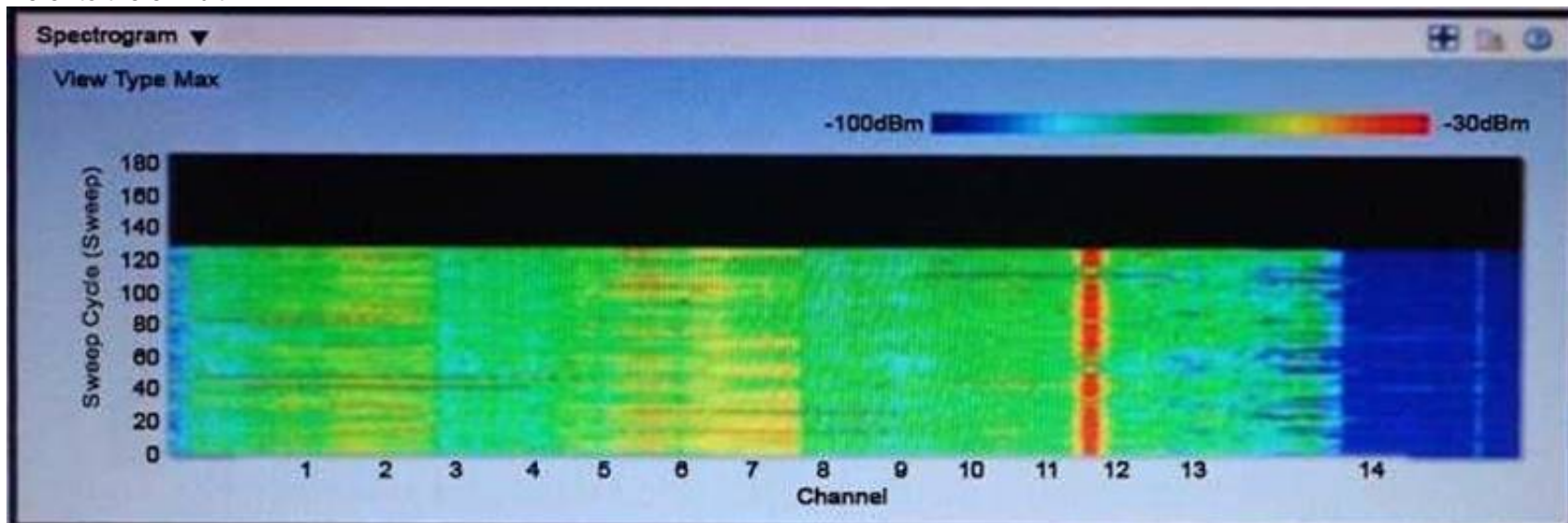F. UDP 16113and 16114

Answer: D

NEW QUESTION 6
A network engineer is troubleshooting why EAP authentication with a client is failing. Which two commands should be used to resolve the issue? (Choose two)

A. debug dot1x notifications enable
B. debug dot1x events enable
C. debug arp
D. debug aaa detail enable
E. debug aaa events detail enable

Answer: BE

NEW QUESTION 7
Refer to the exhibit.

An engineer is troubleshooting non-802.11 interference and observes this output. Which type of interference signatures can the engineer identify?

A. microwave
B. DECT phone
C. Bluetooth
D. jammer

Answer: A

NEW QUESTION 8
A recently acquired Cisco Aironet 1550 series AP is unable to join the WLC. This message is observed on the AP console:
AAA Authentication Failure for UserName:CC93.1981.0035 User Type: WLAN USER Which action must be taken for the AP to associate with the controller?

A. Add MAC address CC93.1981.0035 to the Security AAA AP policy Authorization List.
B. Authenticate the AP to the WLC from the console using an admin account on the WLC.
C. Add MAC address CC93.1981.035 to the Security AAA MAC Filtering tab.
D. Import the self-signed certificate of the AP to the Security:Certificate:LSC tab.
E. Import the self-signed certificate of the AP to the Security:Certificate:SSC ta

Answer: A

NEW QUESTION 9
Which feature should a network engineer enable within a mixed-client network to ensure that the legacy client operates at the best possible rates?

A. ClientLink
B. RRM
C. DCA
D. Band Select

Answer: A

Explanation:
In mixed client environments, 802.11a/g clients may delay communications for 802.11n clients and reduce overall system performance. Organizations can improve the reliability and coverage for legacy 802.11a/g clients, assist these clients in operating at the best possible rates, and help ensure that
these legacy clients get on and off the wireless network faster by implementing Cisco ClientLink. Cisco ClientLink is easily enabled through the wireless LAN controller or Cisco Wireless Control System (WCS) control panel.

NEW QUESTION 10
A WLAN was installed at a high AP density. DTPC is lowering the transmit power of many APs too low. Which change m the DTPC transmit power threshold must be made to allow APs to globally increase
AP transmit power by 3dBm?

A. from 70 dBm to 73 dBm
B. from -70 dBm to -73 dBm
C. from 70 dBm to 67 dBm
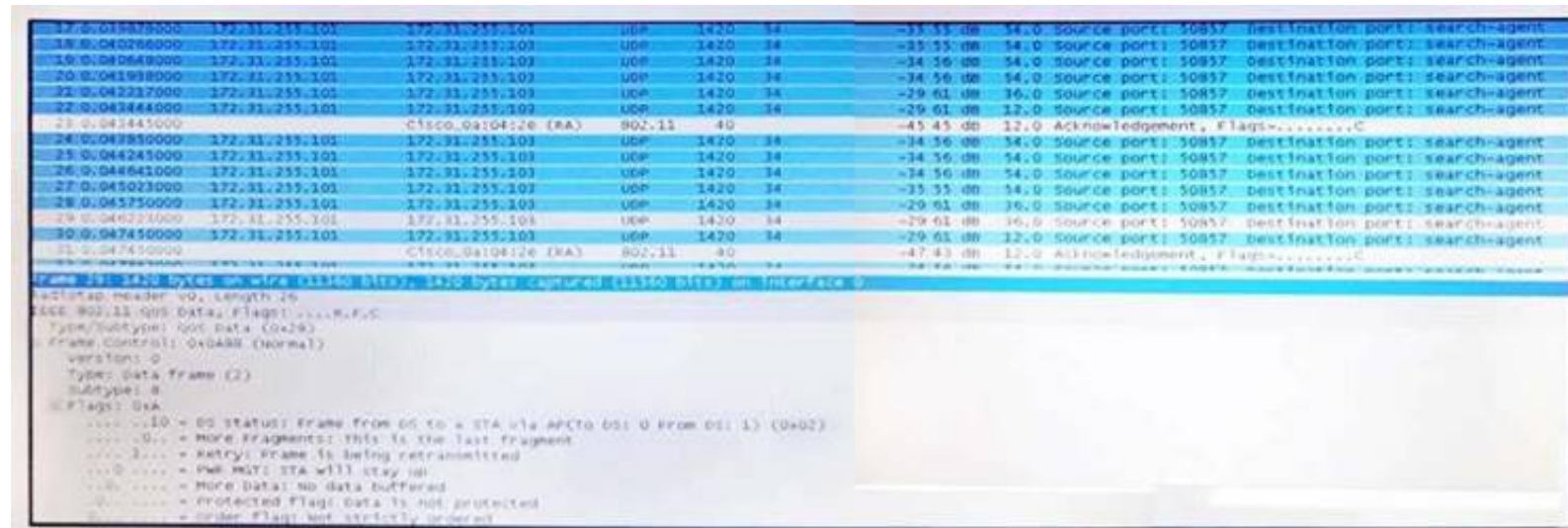D. from -70 dBm to -67 dBm

Answer: D

NEW QUESTION 10
Which visual cue accurately describes a characteristic of the zone of impact displayed in Cisco Prime Infrastructure?

A. The closer the cirlce is to blue, the more localized the impact is.
B. The smaller the circle, the more localized the impact is.
C. The larger the circle, the more severe the impact is.
D. The more translucent the circle is, the more localized the impact i

Answer: B

NEW QUESTION 13
Refer to the exhibit.

A VoWLAN has been deployed at a customer site, and users report that audio is choppy in some areas. The exhibit captures a voice exchange between one phone that is associated to the AP at the end of the corridor (172.31.255.101) and another phone that is positioned in a conference room nearby. Which action enhances the voice application quality of experience?

A. Change the basic rate configuration on the WLC to include 54 Mbps.
B. Change the WLAN QoS profile to platinum.
C. Decrease the AP power level.
D. Disable higher data rates on the controlle

Answer: A

NEW QUESTION 15
A user reports being unable to connect to a server with a certain program while connected to
wireless. Wh.ch troubleshooting methodology can be used to begin the troubleshooting process?

A. top-down
B. shoot from the hip
C. follow the path
D. bottom-up
E. divide and conquer

Answer: A

NEW QUESTION 18
Clients are failing EAP authentication A debug shows that an EAP handshake started and the clients are then de-authenticated. Which two issues can cause this problem'? (Choose two.)

A. The clients are configured for machine authentication, but the RADIUS server is configured for user authentication.
B. The WLC has not been added to the RADIUS server as a client.
C. The WLC certificate has changed.

D. The shared secret of the WLC and RADIUS server do not match.
E. The WLAN is not configured for the correct EAP supplicant typ

Answer: BE

NEW QUESTION 19
Some users are experiencing inconsistent performance on their mobile devices as they move throughout the building when browsing the Internet. Which feature provides a more consistent user experiences?

A. low RSSI check
B. 802.11r
C. RX-SOP
D. optimized roaming

Answer: A

NEW QUESTION 20
An engineer has received an alarm on a wireless LAN controller and is unsure of its meaning. The engineer attempted to ping the wireless LAN controller interfaces. Which troubleshooting methodology does this action demonstrate?

A. bottom-up
B. follow the path
C. shoot from the hip
D. top-down
E. divide and conquer

Answer: E

NEW QUESTION 24
A wireless engineer has completed the configuration of a new WLAN on the existing Cisco wireless infrastructure. During testing he found that the wireless client's authenticate and received the
correct ip address from the switch, but they were not able to access any of the internal or external resources. Which action will resolve the issue?

A. Configure static ip addresses for the wireless clients.
B. Configure the default-router on the switch DHCP pool.
C. Configure option 82 on the switch DHCP pool.
D. Configure a dns-server on the switch DHCP poo

Answer: C

NEW QUESTION 26
An engineer is concerned about rogue-on-wire and wants to enable port security. Which guideline must the engineer follow?

A. Configure Switched Port Analyzer destination ports as secure.
B. Use 802 1x with port security to prevent MAC spoofing.
C. Enable port security on dynamic access ports.
D. Employ static MAC address configuration for APs with port securit

Answer: A

NEW QUESTION 28
An engineer is deploying a wireless infrastructure and must use Layer 2 discovery for access point association. Which configuration meets this requirement?

A. Configure the Access Points and WLC management interface on the same VLAN.
B. Configure a DNS A RECORD to point to the controller.
C. Configure option 43 on The APs DHCP scope.
D. Configure the AP using a serial connection to indicate its controlle

Answer: A

NEW QUESTION 32
Refer to the exhibit.

Which statement describes how the Band Select feature works on the wireless controller?

A. The access point uses the load balancing feature to move the clients to 5 Ghz.
B. The access point changes the DTIM period on the 2 4 Ghz band.
C. The access point recommends the band in the association response to the client.
D. The access point ignores and delays the probe request of the client on the 2 4 Gh

Answer: C

NEW QUESTION 36
When implementing interface groups, how are the IP addresses sourced via DHCP for wireless clients?

A. through the primary interface of the group
B. through round robin between interfaces
C. through interface group definition
D. through the interface receiving the first response

Answer: B

NEW QUESTION 41
An engineer is troubleshooting reports from a Cisco 7925 user that is experiencing consistent gaps in audio when roaming from one area of the facility to another.
Packet analysis shows that the phone is flapping between two access points due to poor SNR.
Which action fixes this issue?

A. Add access points to the areas that have a noise floor below -90 dBm.
B. Adjust the roaming threshold of the WLC to -67 dBm for improved access point performance.
C. Use coverage hole detection to allow the access points to compensate for the poor roaming.
D. Redesign the area for sufficient overlap with access points running at reduced power level
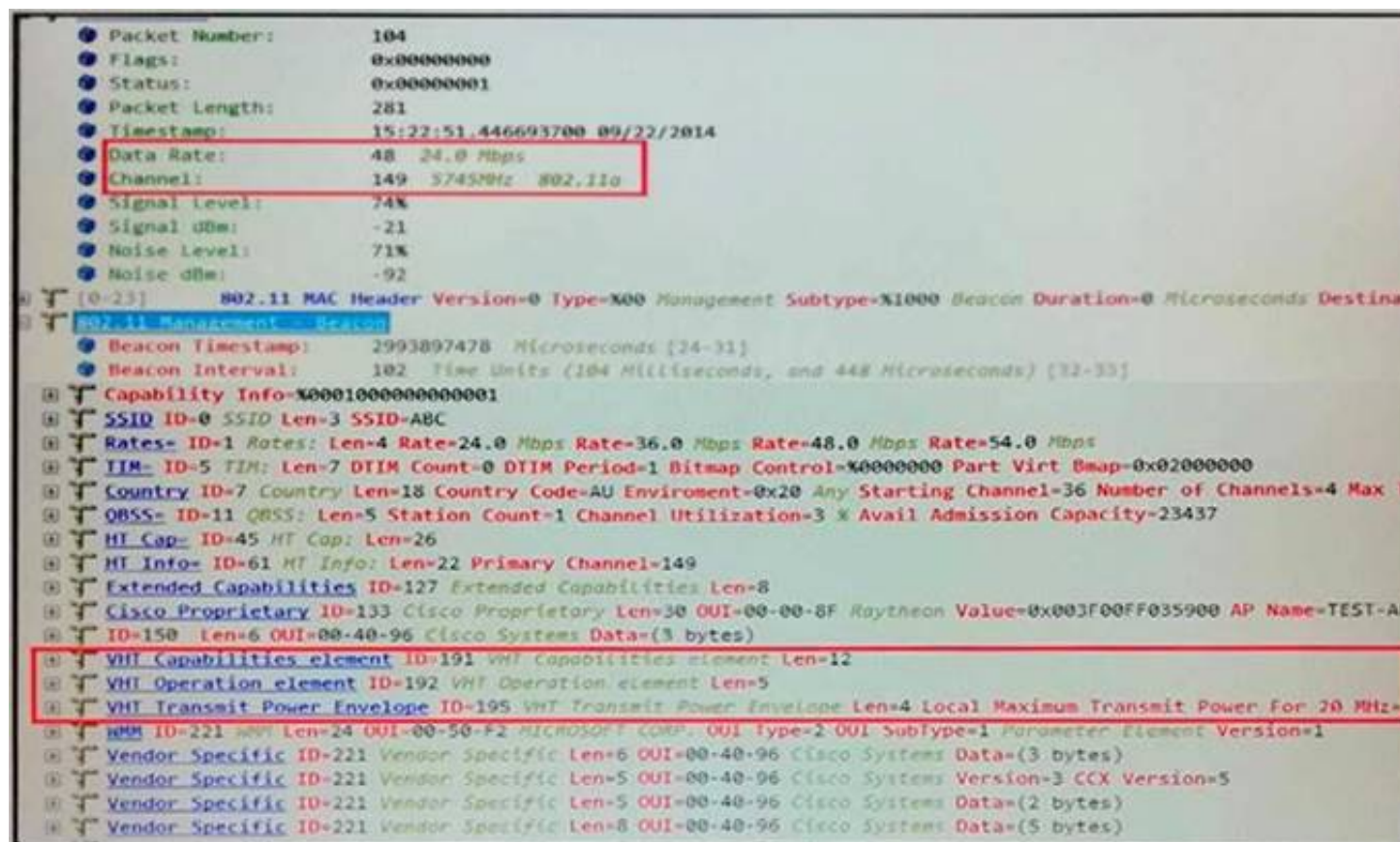
Answer: C

NEW QUESTION 45
Which modulation, which was introduced in 802.11ac standard, influences end-user experience by providing the highest data rates and throughput?

A. 256 QAM
B. QPSK
C. 16 QAM
D. 64 QAM

Answer: A

NEW QUESTION 49
Refer to the exhibit.

What is the highest mandatory rate in Mpbs configured for the AP?

A. 54
B. 36
C. 24
D. 48

Answer: C

NEW QUESTION 51
In a high-density deployment on a customer site with ID 339696181, how do you mitigate the cell size in a large coverage area?

A. Disable ClientLink on the WLC.
B. Set a high supported data rate.
C. Increase the power of the AP.
D. Set a high mandatory

Answer: C

NEW QUESTION 55
You install a WLAN in a warehouse environment for a customer. three months after the installation, the
customer reports that the devices in the environment show a poor RSSI is some areas. Which option is a possible cause of the issue?

A. an increase of stock in the warehouse
B. an increase in the number of wireless clients
C. RF interference from external sources, such as microwave ovens
D. another WLAN installed in a neighboring warehous

Answer: A

NEW QUESTION 58
A training class has 15 laptops connecting to the WLAN using the same Active Directory training credentials.
Users report that they cannot connect until someone else logs off. At any one time, only half of the class connect to the internet.
Which option must be checked first?

A. Maximum Allowed Clients
B. Client Exclusion
C. Co-channel interference
D. DHCP address pool

Answer: A

NEW QUESTION 61
Refer to the exhibit.

General	Security	QoS	Policy-Mapping	Advanced

Layer 2	Layer 3	AAA Servers

Layer 2 Security ⁶ `WPA+WPA2 ▼`

MAC Filtering⁹ ☐

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

```
CCNP-W#sh run | b interface          Cisco-WLC2 Gig 0/1 168 H AIR-CT550
GigabitEthernet0/1                   LACInterface0/3/1
                                     Cisco-WLC1 Gig 0/2 123 H AIR-CT500 Gig
interface GigabitEthernet0/1         0/0/1
switchport trunk encapsulation dot1q Cisco-WLC1 Gig 0/4 123 H AIR-CT500 Gig
switchport mode trunk                0/0/2
channel-group 1 mode on              Cisco-WLC1 Gig 0/2 123 H AIR-CT500
!                                    LACInterface0/3/1
interface GigabitEthernet0/2         APO1 Fas 0/48 150 T I AIR-AP126 Gig 0.1
switchport trunk encapsulation dot1q IDF1 Fas 0/38 160 R S I WS-C3560- Fas
switchport mode trunk                0/22
channel-group 1 mode on
!                                    CCNP-W#sh ether
interface GigabitEthernet0/3         CCNP-W#sh etherchannel su
switchport trunk encapsulation dot1q CCNP-W#sh etherchannel summary
switchport mode trunk                Flags: D - down P - bundled in port-
channel-group 2 mode on              channel
!                                    I - stand-alone s - suspended
interface GigabitEthernet0/4         H - Hot-standby (LACP only)
switchport trunk encapsulation dot1q R - Layer3 S - layer2
switchport mode trunk                U - in use f - failed to allocate
channel-group 2 mode on              aggregator
!
CCNP-W#                              M - not in use, minimum links not met
                                     u - unsuitable for bundling
CCNP-W#sh cdp neighbors              w - waiting to be aggregated
Capability Codes: R - Router, T - Trans d - default port
Bridge, B - Source Router Bridge
S - Switch, H - Host, I - IGMP, r - Number of channel-groups in use: 2
repeater, P - Phone,                Number of aggregators: 2
D - remote, C - CVTA, M - Two-port Mac
Relay                               Group Port-channel Protocol Ports
                                    ------|-------------|----------|------
Device ID Local Intrfce Holdtme     ----------------------------------------
Capability Platform Port ID         1 Po2 (SU) - Gi0/1(P) Gi0/3(P)
Cisco-WLC2 Gig 0/1 168 H AIP-CT550 Gig 2 Po2 (SU) - Gi0/2(P) Gi0/4(P)
0/0/1
Cisco-WLC2 Gig 0/3 168 H AIP-CT550 Gig CCNP-W#
0/0/2
```

An access point joins the secondary wireless controller but not the primary wireless controller. Another access point has joined the controller and is working fine. The network engineer can ping the wireless controller and the access point from the core switch.
Which option is the cause of the issue?

A. The trunk ports are missing a spanning tree configuration.
B. The EtherChannel configuration is incorrect.
C. The port channels configured with the wrong negotiation protocol.
D. The trunk port configuration is incorrec

Answer: B

NEW QUESTION 63
You have a single Cisco 5508 WLC with a management IP address of 172.16.24.5/24. You need to register 50 new Cisco AIR-CAP3702I-E-K9. Access Points to the WLC using DHCP option 43. The access points are connected to a switch in VLAN 37, which uses the 172.16.37.0/24 subnet. You have configured the DHCP scope on the switch like this:
Network 172.16.37.0 255.255.255.0
Default Router 172.16.37.1
Option 43 Aseii 172.16.24.5

The access points are failing to join the wireless LAN controller. Which command fixes the issue?

A. Option 43 Hex F108.CA10.1805
B. Option 43 Hex F104.AC10.1705
C. Option 43 Hex F112.CA10.1805
D. Option 43 Hex F104.AC10.1805

Answer: D

NEW QUESTION 64
Refer to the exhibits. An engineer is troubleshooting connectivity issues on the guest network.

Interface Group Name guest_int_group

Description Guest Interface Group

Property Non-Quarantine

mDNS Profile none ▼

Interface Name lab management ▼
Add Interface

VLAN Id	Interface Name	
900	vlan-900	▼
977	vlan-997	▼
991	vlan-991	▼
992	vlan-992	▼
993	vlan-993	▼
994	vlan-994	▼
995	vlan-995	▼
996	vlan-996	▼
998	vlan-998	▼
999	vlan-999	▼

Interfaces

Interface Name	VLAN Identifier	IP Addresses	Interface Type	Dynamic IP Management
lab management	10	10.10.10.254	Dynamic	Disabled
management	200	10.10.200.254	Static	Enabled
virtual	N/A	192.0.2.1	Static	Not Supported
vlan-1010	1010	10.1.0.9	Dynamic	Disabled
vlan-233	255	10.10.255.254	Dynamic	Disabled
vlan-700	700	10.15.0.202	Dynamic	Disabled
vlan-800	800	10.10.80.3	Dynamic	Disabled
vlan-900	900	10.10.90.5	Dynamic	Disabled
vlan-991	991	10.10.91.5	Dynamic	Disabled
vlan-992	992	10.10.92.5	Dynamic	Disabled
vlan-993	993	10.10.93.5	Dynamic	Disabled
vlan-994	994	10.10.94.5	Dynamic	Disabled
vlan-995	995	10.10.95.5	Dynamic	Disabled
vlan-996	996	10.10.96.5	Dynamic	Disabled
vlan-997	997	10.10.97.5	Dynamic	Disabled
vlan-998	998	10.10.98.5	Dynamic	Disabled
vlan-999	999	10.10.99.5	Dynamic	Disabled

```
!
interface GigabitEthernet1/0/14
Description "Wireless LAN Controller"
switchport trunk allowed vlan 200,255,990-999
switchport mode trunk
spanning-tree portfast trunk
!
```

Which cause of the issue is true?

A. The spanning-tree portfast trunk command must be removed.
B. The switchport mode must be configured as access.
C. The interface group has incorrect mappings.
D. The trunk port does not have the correct VLANs allowe

Answer: D

NEW QUESTION 69
Which statement about the process of rogue containment performed on a rogue AP and rogue clients is true?

A. Trusted clients are configured to ignore the rogue AP so that only the rogue clients can connect.
B. An RF jammer is used to prevent the rogue AP from transmitting.
C. An authorized AP spoofs de-authentication packets that have the spoofed source address of the rogue AP.
D. A trusted AP is configured to mimic the rogue AP and to prevent clients from associating to the rogue AP.

Answer: C

NEW QUESTION 70
While you investigate wireless connectivity issues, a user reports that only certain devices are affected. You use a wireless protocol analyzer to capture 802.11 frames. The capture reveals several issues, so you perform an RF survey.
Which troubleshooting approach are you using?

A. bottom-up
B. divide and conquer
C. top-down
D. shoot from the hip

Answer: A

NEW QUESTION 73
An engineer is attempting to resolve wireless channel overlap issues in the 2.4 GHz network. Which network change reduces channel overlap?

A. Shut down 802.11b/g/n radios.
B. Enable 40 MHz channel bonding on 802.11b/g/n.
C. Enable 802.11b data rates.
D. Enable all 802.11b/g/n channel

Answer: D

NEW QUESTION 74
Refer to the exhibit. Which configuration must be addresses to correct this issue?

```
*Dec 12 00:59:44.069: %CAPMAP-3-EVENTLOG: Go Join the next controller
*Dec 12 00:59:44.069: %CAPMAP-3-EVENTLOG: Selected MWAR 'REMOTE' (index 0).
*Dec 12 00:59:44.069: %CAPMAP-3-EVENTLOG: Ap mgr count=1
*Dec 12 00:59:44.069: %CAPMAP-3-EVENTLOG: Go Join a capwap controller
*Dec 12 00:59:44.069: %CAPMAP-3-EVENTLOG: Choosing AP Mgr with index 0, IP =
0xA0AC8FE , Load = 4..
*Dec 12 00:59:44.069: %CAPMAP-3-EVENTLOG: Synchronizing time with AC time.
*Dec 12 00:58:39.324: %PKI-3-CERTIFICATE_INVALID_NOT_YET_VALID: Certificate
chain validation has failed. The certificate (SN: 46469F4C0000000A4C34) is
not yet valid Validity period starts on 22:50:55 UTC Aug 30 2012
*Dec 12 00:58:39.324: %CAPWAP-3-ERRORLOG: Certificate verification failed!
*Dec 12 00:58:39.324: DTLS_CLIENT_ERROR: ../capwap/capwap_wtp_dtls.c:352
Certificate verified failed!
*Dec 12 00:58:39.324: %DTLS-4-BAD-CERT: Certificate verification failed. Peer
IP: 10.10.200.254
*Dec 12 00:58:39.324: %DTLS-5-SEND_ALERT: Send FATAL : Bad certificate Alert
to 10.10.200.254:5246
*Dec 12 00:58:39.324: %DTLS-3-BAD_RECORD: Erroneous record received from
10.10.200.254: Malformed Certificate
*Dec 12 00:58:39.324: %DTLS-5-SEND_ALERT: Send FATAL: Close notify Alert to
10.10.200.254:5246
*Dec 12 00:58:39.324: %CAPWAP-3-ERRORLOG: Invalid event 38 & state 3
combination
```

A. self-signed certificate
B. DHCP Option 43
C. Network Time Protocol
D. AP authorization list

Answer: A

NEW QUESTION 79
Which three options can be configured as roaming triggers on a WGB? (Choose three.)

A. SNR
B. co-channel interference
C. RSSI
D. packet fragmentation
E. packet retries
F. minimum data rate

Answer: CEF

NEW QUESTION 80
Clients are maintaining association to access points that they were previously connected to rather than
roaming to adjacent access points with higher received signal strength. Which two actions can be taken to fix this issue? (Choose two.)
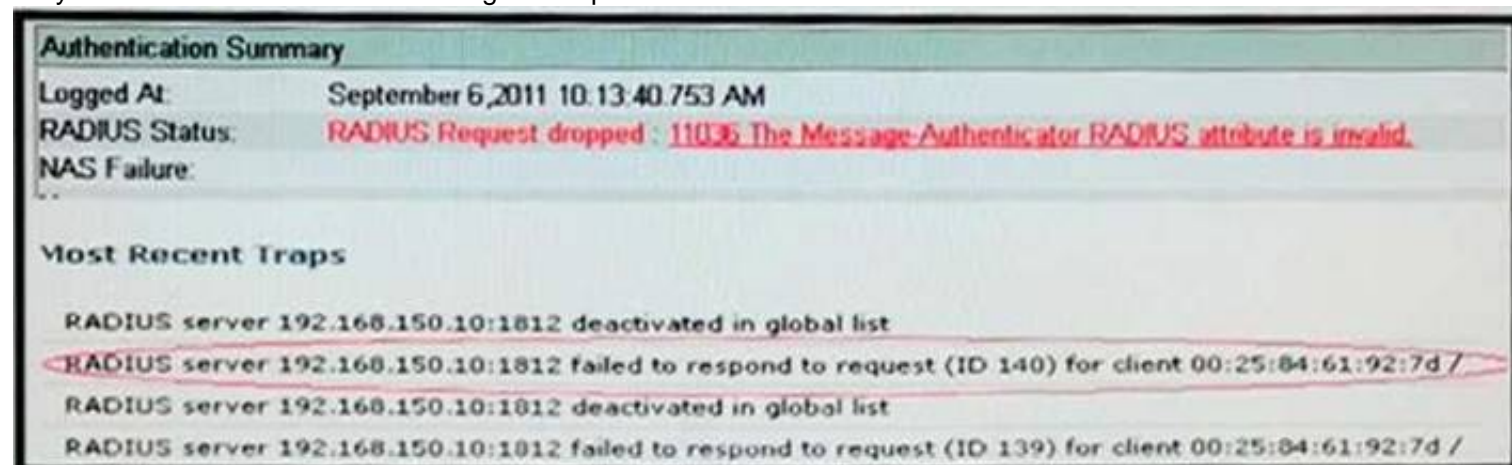
A. Set DCA channel sensitivity to low.
B. Utilize Rx-SOP.
C. Increase access point power.
D. Enable optimized roaming.
E. Add access points to the are

Answer: AD

NEW QUESTION 84
Refer to the exhibit.
Why did Client 00:25:84:61:92:7d not get a response from the RADIUS server?

A. The RADIUS server rejected the username that was provided by the client.
B. The shared-secret keys on the controller and on the RADIUS server do not match.
C. The wireless controller does not have IP connectivity to the RADIUS server.
D. The client and the RADIUS server did not agree on the EAP type so the RADIUS server dropped the packet.

Answer: B

NEW QUESTION 87
An engineer wants to run the Voice Audit tool in PI and wants to be able to verify: that clients will be capable of having static IPs whether or not Call Admission Control is enabled
Which two rules field descriptions must be checked in the report? (Choose two.)

A. DHCP assignment
B. CAC: max bandwidth
C. ACM
D. DTPC
E. load-based CAC

Answer: AE

Explanation:
/Reference:
Reference: https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3- 2/reference/guide/
pi_ref.pdf

NEW QUESTION 92
You are debugging a WGB client. Which description of the client is true?

A. disconnected from the wired device
B. triggered to reauthenticate
C. disconnected from the authentication server
D. triggered to roam

Answer: D

NEW QUESTION 94
A post-deployment wireless survey identifies a roaming issue in the main corridor of a hospital. Which action do you take to mitigate the issue?

A. Enable RSSI Low Check on the WLC
B. Disable RRM on the WLC
C. Change the AP channels in the area.
D. Enable CleanAir on the WLC

Answer: D

NEW QUESTION 99
In a new deployment, your team has connected many access points in a single switch and you noticed that some access points are not getting power. Which command on a Cisco switch can give you the remaining power (Watts) to confirm if it is a PoE issue?

A. show power inline
B. show power
C. show post
D. show poe

Answer: A

NEW QUESTION 100
An engineer uses the shutdown and no shutdown commands on a switch port that an access point is connected to because the AP had disassociated. These commands usually resolve the issue.
Which troubleshooting methodology does this demonstrate?

A. bottom-up
B. top-down
C. divide and conquer
D. shoot from the hip

Answer: D

NEW QUESTION 104
Which two EAP types are tunneled? (Choose two.)

A. EAP-MD5
B. EAP-MSCHAPv2
C. PAP
D. EAP-FAST
E. EAP-MD6

Answer: BD

NEW QUESTION 109
You have designed your wireless network for data coverage. However, as 5 GHz device a client??s increase over legacy 2.4 GHz devices, you observe roaming issues and instability of wireless communication for the newest devices.
Which element will cause this issue?

A. You have designed for data coverage, but you need a voice design to accommodate 5 GHz devices.
B. Band Select is ON and steers clients to connect to 2.4 GHZ over 5 GHz.
C. RRM is ON and favors 2.4 GHz legacy devices.
D. 5 GHz cell size is smaller than 2.4 GHz cell size, which results in inadequate overlap for 5 GHz clients.

Answer: B

NEW QUESTION 110
......

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