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Troubleshooting Cisco Wireless Enterprise Networks

Cisco 300-370

Version Demo

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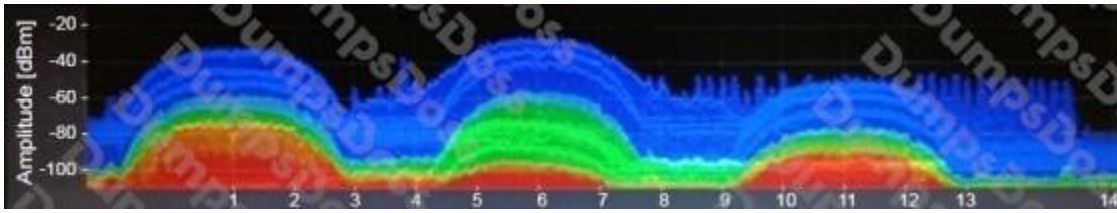
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QUESTION NO: 1

Refer to the exhibit.



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

- 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

QUESTION NO: 2

Refer to the exhibit.


```

*Jul 1 12:27:24.999: %CAPWAP-5-CHANGED: CAPWAP changed
state to DISCOVERY
*Jul 1 12:27:25.000: %CAPWAP-5-CHANGED: CAPWAP changed
state to DISCOVERY
*Jul 1 12:27:35.003: %CAPWAP-3-ERRORLOG: Go join a capwap
controller
*Jul 1 12:27:35.000: %CAPWAP-5-DTLSREQSEND: DTLS
connection request sent peer_ip: 192.168.100.2 peer_port:
5246
*Jul 1 12:27:35.000: %CAPWAP-5-CHANGED: CAPWAP changed
state to
*Jul 1 12:27:35.138: %PKI-3-
CERTIFICATE_INVALID_NOT_YET_VALID: Certificate chain
validation has failed. The certificate (SN:
6F5328F200000000F6A57) is not yet valid Validity period
starts on 13:39:13 UTC Jul 17 2016
*Jul 1 12:27:35.139: %LWAPP-3-CLIENTERRORLOG: Peer
certificate verification failed
*Jul 1 12:27:35.139: %CAPWAP-3-ERRORLOG: Certificate
verification failed!
*Jul 1 12:27:35.139: DTLS_CLIENT_ERROR:
../capwap/capwap_wtp_dtls.c:326 Certificate verified
failed!
*Jul 1 12:27:35.139: %DTLS-4-BAD_CERT: Certificate
verification failed. Peer IP: 192.168.100.2
*Jul 1 12:27:35.139: %DTLS-5-SEND_ALERT: Send FATAL : Bad
certificate Alert to 192.168.100.2:5246
*Jul 1 12:27:35.140: %DTLS-3-BAD_RECORD: Erroneous record
received from 192.168.100.2: Malformed Certificate
*Jul 1 12:27:35.140: %DTLS-5-SEND_ALERT: Send WARNING :
Close notify Alert to 192.168.100.2:5246
*Jul 1 12:27:35.140: %CAPWAP-3-ERRORLOG: Invalid event 38
& state 3 combination.

```

You are troubleshooting an AP that fails to join the WLC.

What is a possible cause of the issue?

- A. The WLC has the wrong time.
- B. There is a regulatory domain mismatch.
- C. The certificate is expired.
- D. There is an invalid management interface.

ANSWER: C

QUESTION NO: 3

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

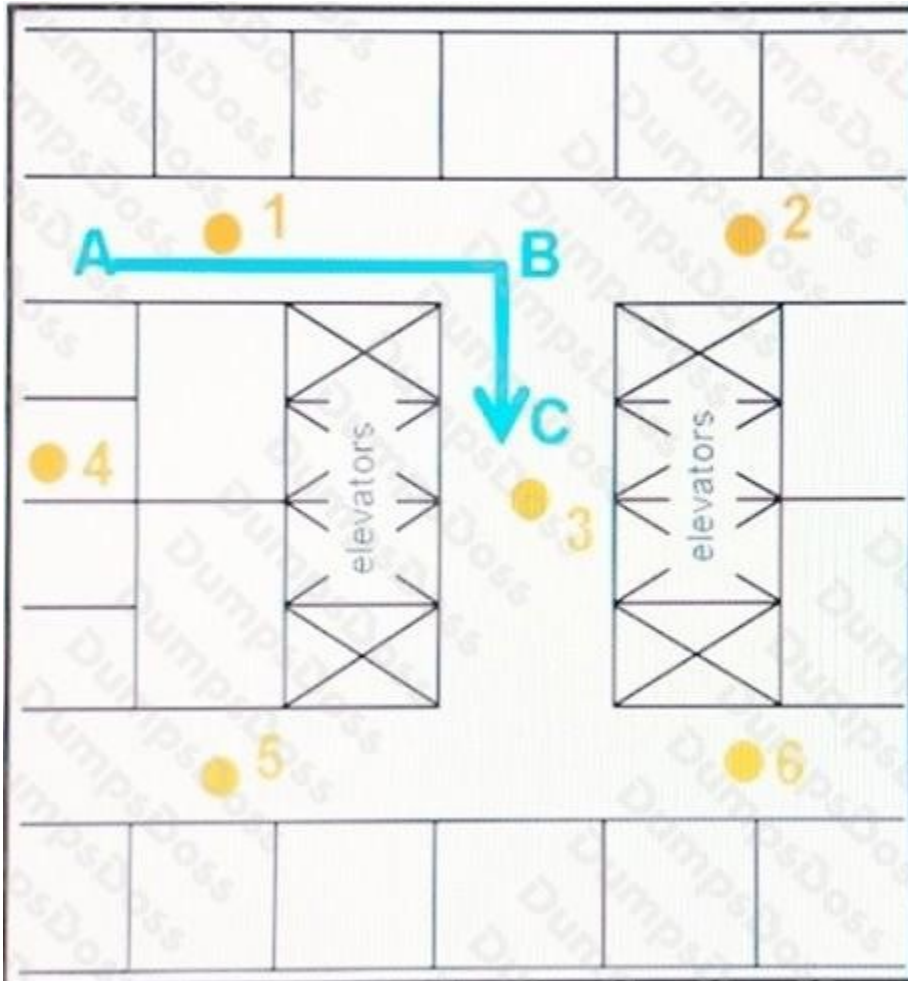
D. show boot

E. show tech-support

ANSWER: A B

QUESTION NO: 4

Refer to the exhibit.



Access points are deployed in an office building and users report that the real-time communications quality of experience is poor when users walk between the elevators. The elevators are a heavy metallic obstacle, and AP 3 was installed to cover the elevator area, which AP 1 and AP 2 signal does not reach. Communications are captured for a user walking from point A to point C, and it is observed that the user's iPhone device suddenly scans all bands and then roams from AP 1 to AP 3 somewhere between points B and C. WLAN is set to 5 GHz only, Open, default rate configuration. Which action improves the real-time application quality of experience in this area?

A. Enable 802.11v on the WLAN.

B. Enable 802.11r on the WLAN.

C. Enable 802.11k on the WLAN.

D. Move AP 2 to point B.

ANSWER: B

QUESTION NO: 5

A client is failing PEAP authentication and a debug shows the server is sending an Access-Reject message.

Which action must you take to resolve authentication?

- A. Verify that the user is using the same password that is on the server.
- B. Verify that the user account is the same in the client certificate.
- C. Verify that the validate server certificate on the client is disabled.
- D. Verify that the client certificates are from the proper CA and server certificate.

ANSWER: A

QUESTION NO: 6

Which three steps would a network engineer use to troubleshoot an AP join problem? (Choose three.)

- A. Validate the STP configuration.
- B. Verify ping AP from the controller.
- C. Verify ping AP from the client.
- D. Verify that the AP is getting an IP address from the DHCP server
- E. Validate the SNMP configuration.
- F. Verify the authentication configuration parameters.

ANSWER: A B F

QUESTION NO: 7

```
*spamApTask0: Jan 18 12:40:31.908: 68:86:a7:aa:bb:aa Discovery Request from 192.168.6.114:8718
*spamApTask0: Jan 18 12:40:31.908: 68:86:a7:aa:bb:aa Join Priority Processing status = 0, Incoming Ap's Priority 1, MaxItrads = 12, joined Aps = 1
*spamApTask0: Jan 18 12:40:31.908: 68:86:a7:aa:bb:aa Discovery Response sent to 192.168.6.114:8718
*spamApTask0: Jan 18 12:40:31.908: 68:86:a7:aa:bb:aa Discovery Response sent to 192.168.6.114:8718
*spamApTask0: Jan 18 12:40:41.904: f4:0f:1b:00:11:00 DTLS connection not found, creating new connection for 192:168:6:114 (8718) 192:168:7:1 (5246)
*spamApTask6: Jan 18 12:40:42.100: e0c1:a9:22:33:22 WTP Event Request from 192.168.98.8:29134
*spamApTask6: Jan 18 12:40:42.100: e0c1:a9:22:33:22 WTP Event Response sent to 192.168.98.8:29134
*spamApTask0: Jan 18 12:40:42.375: f4:0f:1b:00:11:00 Allocated index from main list, Index: 9
*spamApTask0: Jan 18 12:40:42.375: f4:0f:1b:00:11:00 DTLS keys for Control Plane are plumbed successfully for AP 192.168.6.114. Index 10
*spamApTask0: Jan 18 12:40:42.375: f4:0f:1b:00:11:00 DTLS Session established server (192.168.7.1:5246), client (192.168.6.114:8718)
*spamApTask0: Jan 18 12:40:42.376: f4:0f:1b:00:11:00 Starting wait join timer for AP: 192.168.6.114:8718
*spamApTask0: Jan 18 12:40:42.377: 68:86:a7:aa:bb:aa Join Request from 192.168.6.114:8718
*spamApTask0: Jan 18 12:40:42.378: 68:86:a7:aa:bb:aa Deleting AP entry 192.168.6.114:8718 from temporary database.
*spamApTask0: Jan 18 12:40:42.378: 68:86:a7:aa:bb:aa Finding DTLS connection to delete for AP (192:168:6:114/8718)
*spamApTask0: Jan 18 12:40:42.378: 68:86:a7:aa:bb:aa Disconnecting DTLS Capwap-Ctrl session 0x17152480 for AP (192:168:6:114/8718)
*spamApTask0: Jan 18 12:40:42.378: 68:86:a7:aa:bb:aa CAPWAP State: Dtls tear down
*spamApTask0: Jan 18 12:40:42.379: 68:86:a7:aa:bb:aa DTLS keys for Control Plane Deleted successfully for AP 192.168.6.114
*spamApTask0: Jan 18 12:40:42.386: 68:86:a7:aa:bb:aa MTC AP is not allowed to join by config
*spamApTask0: Jan 18 12:40:42.386: 68:86:a7:aa:bb:aa DTLS session closed event received:server (192:168:7:1/5246) client (192:168:6:114/8718)
*spamApTask0: Jan 18 12:40:42.386: 68:86:a7:aa:bb:aa Entry exists for AP (192:168:6:114/8718)
*spamApTask0: Jan 18 12:40:42.387: 68:86:a7:aa:bb:aa No AP entry exist in temporary database for 192:168:6:114/8718
*spamApTask6: Jan 18 12:40:48.996: e0c1:a9:22:33:22 WTP Event Request from 192.168.98.8:29134
*spamApTask6: Jan 18 12:40:48.996: e0c1:a9:22:33:22 WTP Event Response sent to 192.168.98.8:29134
```

Refer to the exhibit. An engineer has connected APs with locally significant certificates and is joining them to the controller. What is causing one of the APs to fail the join phase?

- A. The controller auth-list is not configured to accept LCS apps.

- B. The AP does not have the required certificate.
- C. The time configured on the controller does not match that of the AP certificate.
- D. The controller does not have the config auth-list ap-policy mic disable command.

ANSWER: D

QUESTION NO: 8

An engineer is creating a custom rogue classification rule directly on a controller. Which two conditions are possible when adding a custom rule to a controller? (Choose two.)

- A. internal
- B. ad hoc
- C. client-count
- D. duration
- E. WLAN
- F. open authentication

ANSWER: A D

QUESTION NO: 9

Which two EAP types are tunnel methods? (Choose two.)

- A. EAP-TLS
- B. PEAP
- C. EAP-TTLS
- D. EAP-MD5
- E. EAP-CHAP

ANSWER: B C