

300-370^{Q&As}

Troubleshooting Cisco Wireless Enterprise Networks

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QUESTION 1

Refer to the exhibit.

A client reports being unable to log into the wireless network, which uses PEAPv2. Which two issues appear in the output?(Choosetwo)

```
Dec 7 13:56:09.373: dot11_auth_dot1x_start: in the dot11_auth_dot1x_start
Dec 7 13:56:09.373: dot11_auth_dot1x_send_id_req_to_client:
  sending identity request for 0040.96a0.3758
Dec 7 13:56:09.374: dot11_auth_dot1x_send_id_req_to_client:
  Started timer client_timeout 30 seconds
Dec 7 13:56:39.358: dot11_auth_dot1x_run_rfsm:
  Executing Action(CLIENT_WAIT_TIMEOUT) for 0040.96a0.3758
Dec 7 13:56:39.358: dot11_auth_dot1x_send_client_fail:
  Authentication failed for 0040.96a0.3758
Dec 7 13:56:39.358: #DOT11-7-AUTH_FAILED:
  Station 0040.96a0.3758 Authentication failed
```

- A. The AP has the incorrect RADIUS server address
- B. There is a problem with the client supplicant
- C. The AP has lost IP connectivity to the authentication server
- D. The authentic at ion server is misconfigured on the controller
- E. The EAP client timeout value should be increased
- F. The authentication server is misconfigured in the WLAN

Correct Answer: AC

QUESTION 2

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

Correct Answer: D

QUESTION 3

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 security.

Correct Answer: A

QUESTION 4

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

Correct Answer: AB

QUESTION 5

An AP will be deployed to an area where DHCP Option 43 is unavailable and the WLAN engineer is unable to have DNS modifications made to support this AP. Which two actions can enable the AP to join the WLC? (Choose two)

- A. Issue the clear capwap private-config command in the AP console.
- B. Pre-stage or prime the AP on the same Layer 2 VLAN as the WLC.
- C. Issue the capwap ap ip default-gateway WLC IP address command in the AP console.
- D. Issue the capwap ap ip address WLC IP address command in the AP console.

E. Issue the capwap ap controller ip address WLC IP address command in the AP console.

Correct Answer: AD

QUESTION 6

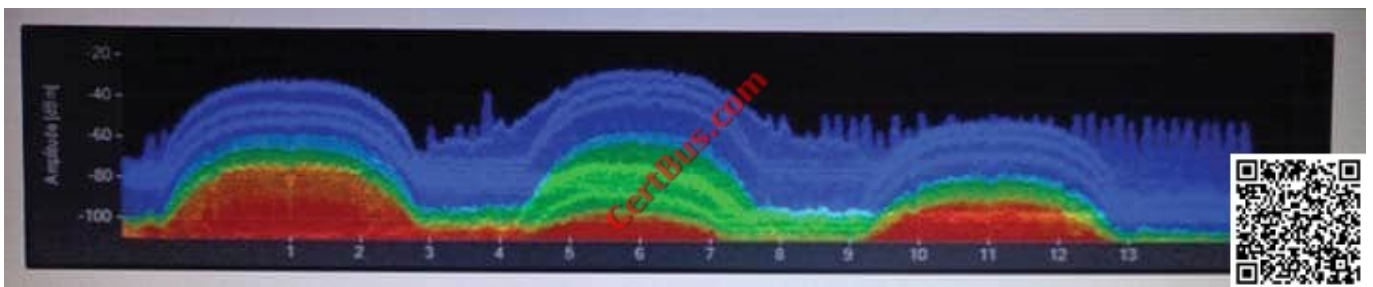
An engineer has run the debug dhcp packet enable command on the wireless LAN controller CLI. Which field contains the IP address offered to the client?

- A. siaddr
- B. ciaddr
- C. chaddr
- D. yiaddr
- E. giaddr

Correct Answer: C

QUESTION 7

An engineer is troubleshooting non-802.11 interference and observes this output. Which type of interference signature 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

Correct Answer: B

QUESTION 8

An engineer is using various techniques to discover and isolate rogues on the network. For which technique must the engineer consider legal ramifications?

- A. rogue AP containment
- B. RF detection
- C. switch port tracing
- D. wire detection
- E. Cisco Prime Infrastructure location services

Correct Answer: A

QUESTION 9

A network engineer has identified clients who are experiencing delays while roaming. The network is configured with WPA2-Enterprise, AES encryption, 802.1X authentication, and Cisco Centralized Key Management. Which change resolves the roaming delays?

- A. Utilize a supplicant that supports Cisco Centralized Key Management.
- B. Enable AES and TKIP encryption
- C. Disable client session timeout
- D. Install wireless device drivers from Cisco

Correct Answer: A

QUESTION 10

Two 5508 Wireless LAN Controllers are managing all Access Points throughout the network. The WLCs are located in different locations to provide geographical redundancy. A Mobility Group has been configured on both WLCs and has a UP

status on both Controllers. The APs in location A are statically configured to use Controller A as the Primary and Controller B as the Secondary. If the WLC in location A goes offline, the APs successfully join the WLC in location B but they do

not failover to their Primary configured Controller.

What configuration task will fix this issue?

- A. Change the AP Failover Priority to critical.
- B. Enable AP Fallback globally on the WLC

C. Configure the WLC in location A as Primary using the CAPWAP AP Controller IP Address command on all the location A Access Points.

D. Use DHCP Option 43 and specify WLC in location A as Primary.


Correct Answer: C

QUESTION 11

A mobile station in a factory contains an AP configured as a work group bridge that authenticates to a root AP using EAP-FAST. To be able to use the mobile station in further parts of the factory, another root AP is installed and also configured for EAP-FAST. When the mobile station is attempting to roam to the other AP, it loses connection yet can still authenticate to the first one. What is the cause for the failed authentication on RAP2?

Refer to the exhibit.

RAP1	RAP2
<pre>dot11 ssid wlan1 authentication open eap eap authentication network-eap eap authentication key-management wpa version 2 dot1x credentials wgb dot1x eap profile eap1 no ids mfp client eap profile eap1 method fast eap profile eap11 method tls dot1x credentials wgb username cisco password 7 1511021F0725 interface Dot11Radio0 encryption mode ciphers aes-ccm ssid wlan1</pre>	<pre>dot11 ssid wlan1 authentication open eap eap authentication network-eap eap authentication key-management wpa version 2 dot1x credentials wgb dot1x eap profile eap1 no ids mfp client eap profile eap1 method fast eap profile eap11 method tls dot1x credentials wgb username cisco password 7 1511021F0725 interface Dot11Radio0 encryption mode ciphers aes-ccm ssid wlan1</pre>



- A. RAP1 is using a different authentication protocol than RAP2.
- B. RAP2 has a different SSID than RAP1.
- C. RAP1 is using a different encryption than RAP2.
- D. The authentication use name and password is different.

Correct Answer: A

QUESTION 12

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 tab.

Correct Answer: A

QUESTION 13

A wireless engineer is unable to join lightweight access points to the Cisco Wireless Controller. The access points receive ip addresses from a DHCP pool configured on the core switch. Which action must be taken to resolve the issue?

- A. Upgrade the Wireless Controller to a newer IOS release.
- B. Configure option 43 on the DHCP pool.
- C. Configure option 82 on the Wireless controller.
- D. Change the management ip address on the Wireless Controller.

Correct Answer: C

QUESTION 14

In a cisco OfficeExtend environment, which encryption type is used between the access point and the master LW controller?

- A. DTLS
- B. TIS
- C. STIS
- D. OpenSSL

Correct Answer: A

QUESTION 15

Scenario The Big Engineering IT team has been working in the lab to do some testing of some new features the existing network won't support. They are AP Groups, AP Failover, and Local Web Auth. They have been having problems with all three features. In this test environment the controllers only support the Composite and Structural Engineering and Aerodynamic Engineering groups. All SSIDs should omit the department name. Refer to the exhibit. This is a diagram of the floor plan for the Big Engineering office and the distribution of the departments. The tables below show how the controllers have been configured. Note, not all menu items, text boxes, or radio buttons are active.



BE-GA

Controller Management Interfaces

Name	IP address	Gateway	DHCP Interface
CSE-2504A	192.168.2.98/24	192.168.2.1	192.168.2.98
AE-2504A	192.168.3.98/24	192.168.3.1	192.168.3.98
HF-2504A	192.168.4.98/24	192.168.4.1	192.168.4.98

Composite and Structural Engineering (CSE)

WLANs

Profile Name	SSID
CSE-Engineering	CSE-Engineering
CSE-Contractors	CSE-Contractors
CSE-Employees	CSE-Employees

AP Groups - CSE-WLANs

WLANs	APs
CSE-Engineering	3700-CSE-A
CSE-Contractors	3700-CSE-B
CSE-Employees	

CSE-User Names and Passwords

User Name	Password
Jeff Rice	csetest
Lee Webb	csetest

Aerodynamic Engineering

WLANs

Profile Name	SSID
AE-Engineering	Engineering
AE-Contractors	Contractors
AE-Employees	Employees

AP Groups - AE-WLANs

WLANs	APs
AE-Engineering	3700-AE-A
AE-Contractors	3700-AE-B
AE-Employees	

AE-User Names and Passwords

User Name	Password
Joan Smith	aetest
Carol Black	aetest



When you review the configuration of the test network controller what needs to be changed to resolve the problems? (Choose four.)

- A. Change the High Availability Primary Controller Management Interface IP address.
- B. Remove the current WLANs and replace them with WLANs that have the same SSID names as on the AE-2504A controller.
- C. Add the Local Net User names and passwords
- D. Change the Layer 2 security to none and Layer 3 Security to Web Policy for the CSE-Contractors WLAN
- E. Remove me current WLAN from the CSE-WLAN AP Group and add all three of the WLANs configured in the CSE-2504A
- F. Add the CSE APs to the CSE-WLANs AP-Group.

Correct Answer: BCDF

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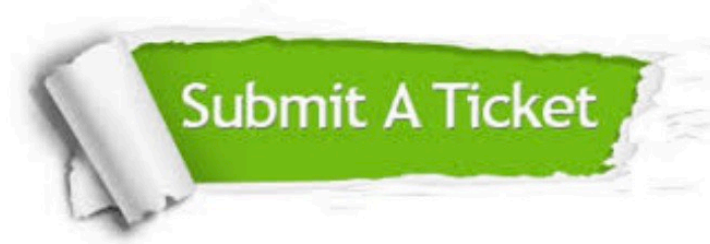
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