

# 300-370<sup>Q&As</sup>

Troubleshooting Cisco Wireless Enterprise Networks

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### QUESTION 1

A mobile workstation in a factory contains an AP that is configured as a workgroup bridge. When the workstation moves, it loses connectivity and disrupts operation. What can the engineer implement to minimize roaming problems?

- A. Use 802.1X authentication.
- B. Use Cisco Centralized Key Management for fast roaming.
- C. Use AES for encryption.
- D. Use the mobile station command.

Correct Answer: B

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### QUESTION 2

Refer to the exhibit.



```

CCNP-W#sh run | b interface
GigabitEthernet0/1

interface GigabitEthernet0/1
switchport trunk encapsulation dot1q
switchport mode trunk
channel-group 1 mode on
!
interface GigabitEthernet0/2
switchport trunk encapsulation dot1q
switchport mode trunk
channel-group 1 mode on
!
interface GigabitEthernet0/3
switchport trunk encapsulation dot1q
switchport mode trunk
channel-group 2 mode on
!
interface GigabitEthernet0/4
switchport trunk encapsulation dot1q
switchport mode trunk
channel-group 2 mode on
!
CCNP-W#

CCNP-W#sh cdp neighbors
Capability Codes: R - Router, T - Trans
Bridge, B - Source Router Bridge
S - Switch, H - Host, I - IGMP, r -
repeater, P - Phone,
D - remote, C - CVTIA, M - Two-port Mac
Relay

Device ID Local Intrfce Holdtme
Capability Platform Port ID
Cisco-WLC2 Gig 0/1 168 H AIP-CT550 Gig
0/0/1
Cisco-WLC2 Gig 0/3 168 H AIP-CT550 Gig
0/0/2

Cisco-WLC2 Gig 0/1 168 H AIR-CT550
LACInterface0/3/1
Cisco-WLC1 Gig 0/2 123 H AIR-CT550 Gig
0/0/1
Cisco-WLC1 Gig 0/4 123 H AIR-CT550 Gig
0/0/2
Cisco-WLC1 Gig 0/2 123 H AIR-CT550
LACInterface0/3/1
AP01 Fas 0/48 150 T I AIR-AP126 Gig 0.1
IDF1 Fas 0/38 160 R S I WS-C3560- Fas
0/22

CCNP-W#sh ether
CCNP-W#sh etherchannel su
CCNP-W#sh etherchannel summary
Flags: D - down P - bundled in port-
channel
I - stand-alone s - suspended
H - Hot-standby (LACP only)
R - Layer3 S - layer2
U - in use f - failed to allocate
aggregator

M - not in use, minimum links not met
u - unsuitable for bundling
w - waiting to be aggregated
d - default port

Number of channel-groups in use: 2
Number of aggregators: 2

Group Port-channel Protocol Ports
-----|-----|-----|-----
1 Po2 (SU) - Gi0/1(P) Gi0/3(P)
2 Po2 (SU) - Gi0/2(P) Gi0/4(P)
CCNP-W#
    
```

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 incorrect.

Correct Answer: B

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### QUESTION 3

Which Cisco WLC debug command allows you to determine if the certificate process is failing in the CAPWAP messages?

- A. debug pm pki enable
- B. debug cert events enable
- C. debug capwap events enable
- D. debug capwap packet enable
- E. debug capwap errors enable

Correct Answer: E

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### QUESTION 4

An engineer is troubleshooting AP join issues on a wireless infrastructure. While gathering debugs, the engineer notices that one of the commands may generate an excessive amount of data on the console. Which command causes this to occur?

- A. debug capwap detail enable
- B. debug capwap errors enable
- C. debug capwap info enable
- D. debug capwap events enable
- E. debug capwap packet enable
- F. debug capwap payload enable

Correct Answer: B

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#### QUESTION 5

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

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#### QUESTION 6

Which two EAP types are tunneled? (Choose two.)

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

Correct Answer: BD

---

#### QUESTION 7

Refer to the exhibit. Which configuration must be added 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

Correct Answer: A

#### QUESTION 8

All corporate-issued devices in your network have been configured with EAP-TLS authentication. They authenticate via wireless to an instance of Cisco ISE and AD authorization for the user profiles is un-configured. Which impact occurs to the authentication when a user's Active Directory username and password expires?

- A. The ISE prompts the user for the new password.
- B. The user must change the password manually on their WLAN profile.
- C. The WLAN profile must be forgotten and reconfigured.
- D. WLAN connectivity is not impacted because EAP-TLS uses certificates.

Correct Answer: D

#### QUESTION 9

A WLAN was installed at a high AP density. DTPC is lowering the transmit power of many APs too low. Which change in 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

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#### QUESTION 10

An engineer has discovered that a number of new access points are failing to join the wireless controller module that has been recently enabled on a switch stack of three Cisco Catalyst 3850 switches running 3.02.03 SE version of Cisco IOS-XE. All cables have been verified and all access point switch port configurations are identical.

Which options is the likely root cause of the issue?

- A. Stacked Cisco Catalyst 3850 switches only support 100 CAPWAP termination licences.
- B. Cisco IOS-XE version 3.02.03 SE supports only access points on the master switch.
- C. The EULA has not been accepted on the switch wireless controller module.
- D. When stacked, the Cisco Catalyst 3850 cannot use the wireless controller module.

Correct Answer: D

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#### QUESTION 11

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

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#### QUESTION 12

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 experience?

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

Correct Answer: A

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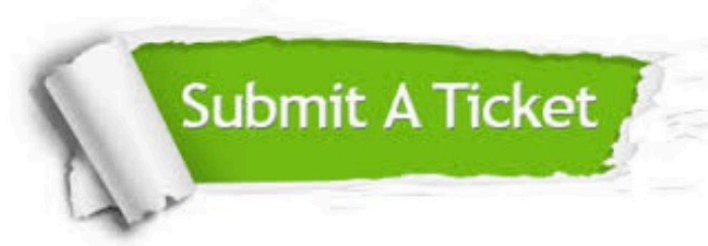
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