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351-050

CCIE Wireless Beta Written Exam

DEMO

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Topic 1, Volume A

QUESTION NO: 1

Which two options are correct according to debug output presented in the following exhibit?
(Choose two.)

```
(Cisco Controller) >debug client 001B.7705.4AB9

(Cisco Controller) >show debug

MAC address . 00:1b:77:05:4a:b9

Debug Flags Enabled:
dhcp packet enabled.
dot11 mobile enabled.
dot11 state enabled.
dot1x events enabled.
dot1x states enabled.
pem events enabled.
pem state enabled.

(Cisco Controller) >Fri Jun 6 19:49:24 2008:00:1b:77:05:4a:b9 Adding mobile on LWAPP AP 00:1d:a1:91:34:70(0)
Fri Jun 6 19:49:24 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:23) in 5 seconds
Fri Jun 6 19:49:24 2008:00:1b:77:05:4a:b9 apfProcessProbeReq (apf_80211.c:4057) Changing state for mobile
00:1b:77:05:4a:b9 on AP
00:1d:a1:91:34:70 from Idle to Probe
Fri Jun 6 19:49:29 2008:00:1b:77:05:4a:b9 apfMsExpireCallback (apf_ms.c:433) Expiring Mobile!
Fri Jun 6 19:49:29 2008:00:1b:77:05:4a:b9 pemApfDeleteMobileStation2: caller=apfMsExpireMobileStation
line4474 Role=Unassoc
Fri Jun 6 19:49:29 2008:00:1b:77:05:4a:b9 0.0.0.0 START (0) Deleted mobile LWAPP rule on AP
[00:1d:a1:91:34:70]
Fri Jun 6 19:49:29 2008:00:1b:77:05:4a:b9 Deleting mobile on AP 00:1d:a1:91:34:70(0)
Fri Jun 6 19:49:31 2008:00:1b:77:05:4a:b9 Adding mobile on LWAPP AP 00:1c:f6:63:94:e0(0)
Fri Jun 6 19:49:31 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:23) in 5 seconds
Fri Jun 6 19:49:31 2008:00:1b:77:05:4a:b9 apfProcessProbeReq (apf_80211.c:4057) Changing state for mobile
00:1b:77:05:4a:b9 on AP
00:1c:f6:63:94:e0 from Idle to Probe
Fri Jun 6 19:49:31 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:24) in 5 seconds
Fri Jun 6 19:49:33 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:24) in 5 seconds
Fri Jun 6 19:49:33 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (caller-Id:24) in 5 seconds
Fri Jun 6 19:49:34 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (caller-Id:24) in 5 seconds
Fri Jun 6 19:49:34 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:24) in 5 seconds
Fri Jun 6 19:49:39 2008:00:1b:77:05:4a:b9 apfMsExpireCallback (apf_ms.c:433) Expiring Mobile!
Fri Jun 6 19:49:39 2008:00:1b:77:05:4a:b9 pemApfDeleteMobileStation2: caller=apfMsExpireMobileStation
line=4474 Role=Unassoc
Fri Jun 6 19:49:39 2008:00:1b:77:06:4a:b9 0.0.0.0 START (0) Deleted mobile LWAPP rule on AP
(00:1c:f6:63:94:e0(0))
Fri Jun 6 19:49:39 2008:00:1b:77:05:4a:b9 Deleting mobile on AP 00:1c:f6:63:94:e0(0)
Fri Jun 6 19:49:41 2008:00:1b:77:05:4a:b9 Adding mobile on LWAPP AP 00:1c:f6:63:94:e0(0)
Fri Jun 6 19:49:41 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:23) in 5 seconds
Fri Jun 6 19:49:41 2008:00:1b:77:05:4a:b9 apfProcessProbeReq (apf_80211.c:4057) Changing state for mobile
00:1b:77:05:4a:b9 on AP
00:1c:f6:63:94:e0 from Idle to Probe
Fri Jun 6 19:49:41 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:24) in 5 seconds
Fri Jun 6 19:49:44 2008:00:1b:77:06:4a:b9 Scheduling deletion of Mobile Station: (callerId:24) in 5 seconds
Fri Jun 6 19:49:44 2008:00:1b:77:05:4a:b9 Scheduling deletion of Mobile Station: (callerId:24) in 5 seconds
Fri Jun 6 19:49:49 2008:00:1b:77:05:4a:b9 apfMsExpireCallback (apf_ms.c:433) Expiring Mobile!
Fri Jun 6 19:49:49 2008:00:1b:77:05:4a:b9 pemApfDeleteMobileStation2: caller=apfMsExpireMobileStation line
4474 Role=Unassoc
Fri Jun 6 19:49:49 2008:00:1b:77:05:4a:b9 0.0.0.0 START (0) Deleted mobile LWAPP rule on AP [00:1c:f6:63:94:e0]
Fri Jun 6 19:49:49 2008:00:1b:77:05:4a:b9 Deleting mobile on AP 00:1c:f6:63:94:e0(0)
Fri Jun 6 19:49:51 2008:00:1b:77:05:4a:b9 Adding mobile on LWAPP AP 00:1c:f6:63:94:e0(0)
```

- A. The wireless client uses a static IP address, so "0.0.0.0 START (0)" can be found in the logs.
- B. The wireless client has been successfully authenticated. Reauthentication is set to occur on an extremely aggressive schedule (every five seconds).

C. The wireless client "hangs" in probes (does not proceed with 802.11 authentication and association). It is likely that the "encryption" or "key-management" advertised in the probe response does not match.

D. Since the AP receives a probe request from the wireless client, the Access Point Function state for the machine changes from "Idle" to "Probe."

Answer: C,D

Explanation:

QUESTION NO: 2

Which two statements correctly describe RTS/CTS? (Choose two.)

A. When the transmitted packet is equal to or larger than the RTS threshold, an RTS packet is sent. The destination node must respond with a CTS packet before the originator can send the actual data packet.

B. Since the introduction of EDCA (WMM and 802.11e), the RTS/CTS sequence has been rendered unnecessary.

C. 802.11d replaced the RTS/CTS sequence with CTS to Self.

D. The RTS and CTS are small and, if lost in a collision, they can be retried more quickly and with less overhead than if the whole packet must be retried.

Answer: A,D

Explanation:

QUESTION NO: 3

The following message can be seen on a Cisco WCS:

AP 'floor-1-lobby', interface '802.11b/g' on Controller '10.1.1.1'. Noise threshold violated.

There is also a correlation between the occurrence of the message and user complaints. Which action should you take?

A. Check the logs for rogues in the area, then turn on rogue mitigation.

B. Seek out the source of the noise with a spectrum analyzer.

C. Manually increase the power of the AP to overcome the interference.

D. Increase the interference threshold from the default 10%.

Answer: B

Explanation:

QUESTION NO: 4

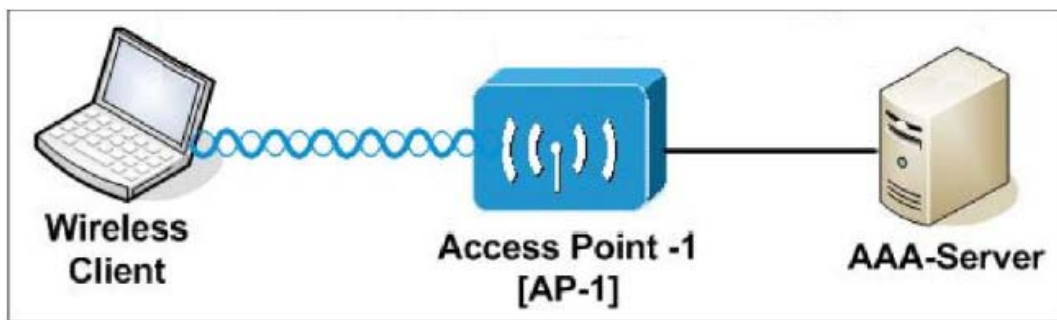
Study the following situations carefully, then answer my question. Wireless client (CB21) configured for SSID "CCIE-2"; IP address "dhcp". Configure standalone autonomous AP with three SSIDs and three data VLANs plus the native VLAN. AAA server IP ranges:

VLAN-2:10.20.1.1.100-10.20.1.128

VLAN-3:10.30.1.1.100-10.30.1.128

VLAN-4:10.40.1.1.100-10.40.1.128

The user wants to get an IP address from VLAN-2 which is mapped to the SSID CCIE-2 the client is associating. Why does this wireless client get a wrong IP address?



- A. LEAP authentication fails due to wrong password or unknown username, therefore the wireless-client is mapped to the default VLAN.
- B. The RADIUS server is not reachable from the AP, therefore the wireless client is mapped to the default VLAN.
- C. LEAP needs "network-eap" <eap_methods> on the SSID. You must not configure "open eap" <eap_methods.>
- D. The RADIUS server assigned VLAN-4 during authentication/authorization process.

Answer: D

Explanation:

QUESTION NO: 5

It is suggested that you prime or stage your lightweight access points in a convenient location, rather than after they have been installed in locations that may be difficult to reach. Which three items can be configured by using the controller CLI, controller GUI, or Cisco WCS while priming a