



# 300-375<sup>Q&As</sup>

Securing Wireless Enterprise Networks

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### QUESTION 1

During the EAP process and specifically related to the logon session, which encrypted key is sent from the RADIUS server to the access point?

- A. WPA key
- B. encryption key
- C. session key
- D. shared-secret key

Correct Answer: C

During the logon session, the RADIUS server encrypts and sends the WEP key, called a session key, over the wired LAN to the access point. The access point encrypts its broadcast key with the session key and sends the encrypted broadcast key to the client, which uses the session key to decrypt it. The client and access point activate WEP and use the session and broadcast WEP keys for all communications during the remainder of the session.

Reference: <http://www.cisco.com/c/en/us/td/docs/routers/access/1800/wireless/configuration/guide/awg/s37radi.html>

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### QUESTION 2

Scenario

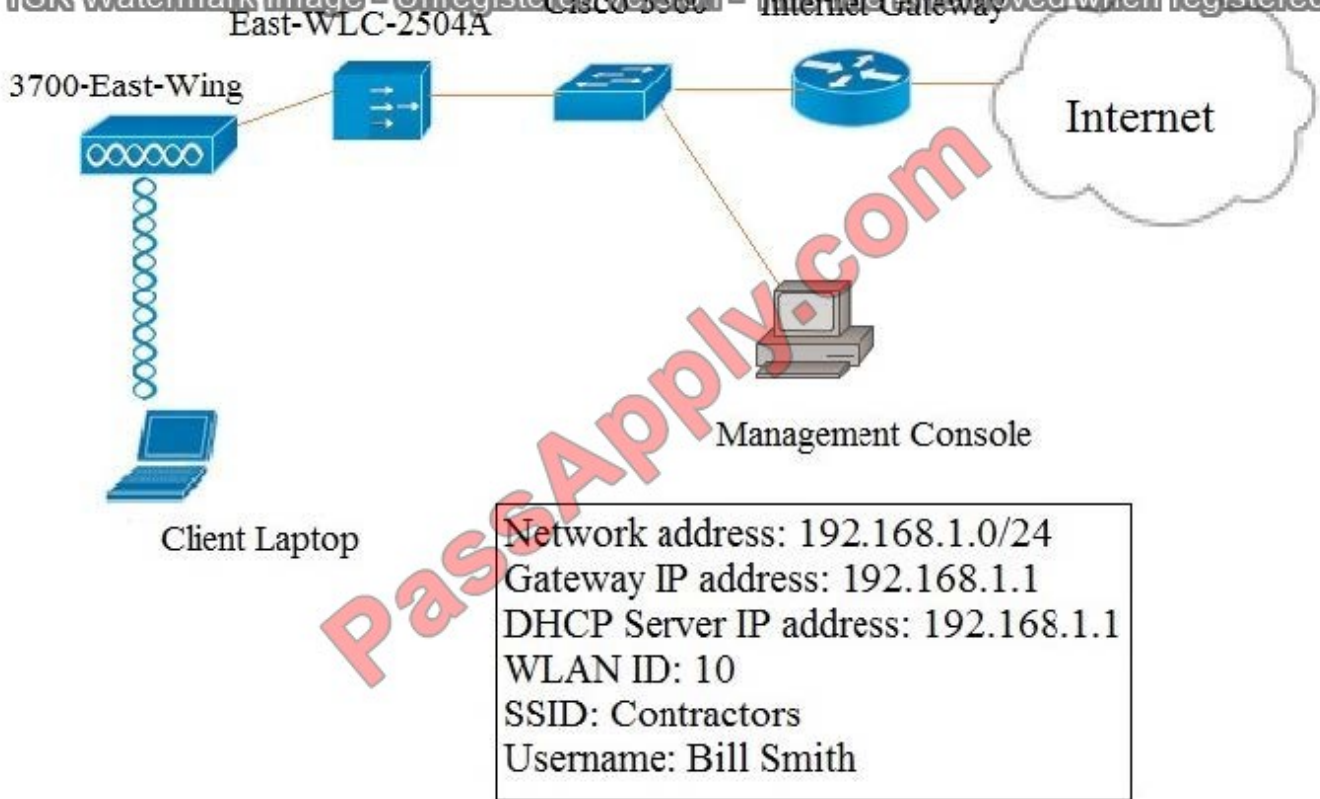
Local Web Auth has been configured on the East-WLC-2504A, but it is not working. Determine which actions must be taken to restore the Local Web Auth service. The Local Web Auth service must operate only with the Contractors WLAN.

Contractors WLAN ID ?10 Employees WLAN ID - 2

Note, not all menu items, text boxes, or radio buttons are active.



TSR Watermark Image - Unregistered version - This line is removed when registered



Virtual Terminal



TSR Watermark Image - Unregistered version - This line is removed when registered

Summary

5 Access Points Supported



Controller Summary

Management IP Address 192.168.1.99, /128  
Software Version 0.0.110.0  
Field Recovery Image Version 7.6.101.1  
System Name WL-CI-2504A  
Up Time 0 days, 5 hours, 14 minutes  
System Time Wed, Feb 11 15:38:52 2015  
Redundancy Mode N/A  
Internal Temperature + 27C  
802.11a Network State Enabled  
802.11b/g Network State Enabled  
Local Mobility Group testlab  
CPU(s) Usage 0%  
Individual CPU Usage 0%/1%, 0%/2%  
Memory Usage 50%

Access Point Summary

	Total	Up	Down	
802.11a/n/ac Radios	1	1	0	<a href="#">Detail</a>
802.11b/g/n Radios	1	1	0	<a href="#">Detail</a>
Dual-Band Radios	0	0	0	<a href="#">Detail</a>
All APs	1	1	0	<a href="#">Detail</a>

Client Summary

Current Clients 0 [Detail](#)  
Excluded Clients 0 [Detail](#)  
Disabled Clients 0 [Detail](#)

WLAN ID	Type	Profile Name	WLAN SSID	Admin Status	Security Policies
1	WLAN	TestWLAN	TestWLAN	Enabled	[WPA2][Auth(802.1X)]
2	WLAN	Contractors	Contractors	Enabled	[WPA2][Auth(802.1X)]
8	WLAN	Marketing	Marketing	Enabled	[WPA2][Auth(802.1X)]
9	WLAN	Engineering	Engineering	Enabled	[WPA2][Auth(802.1X)]
10	WLAN	Employees	Employees	Enabled	[WPA2][Auth(802.1X)]



General

Name East-WLC-2504A  
802.3x Flow Control Mode Disabled   
LAG Mode on next reboot Disabled  (LAG Mode is currently disabled)  
Broadcast Forwarding Disabled   
AP Multicast Mode<sup>1</sup> Multicast  237.1.1.1 Multicast Group Address  
AP IPv6 Multicast Mode<sup>2</sup> Multicast  :: IPv6 Multicast Group Address  
AP Fallback Enabled   
CAPWAP Preferred Mode ipv4   
Fast SSID change Disabled   
Link Local Bridging Disabled   
Default Mobility Domain Name testlab  
RF Group Name testlab  
User Idle Timeout (seconds) 300  
ARP Timeout (seconds) 300



# APs

Current Filter None [\[Change Filter\]](#) [\[Clear Filter\]](#)

Number of APs 2

AP Name	IP Address(Ipv4/Ipv6)	AP Model	AP MAC	AP Up Time	Admin Status	Operational Status	PoE Status	No of Clients	Port	AP Mode
3700-East-Wing	192.168.1.128	AIR-CT5502-K9	883846181046	0 4:01:07 m 15 s	Enabled	REG	PoE:Full/Power 0	0	1	Local



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CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK

## General

Maximum Local Database entries (on next reboot).  (Current Maximum is 2048)

Number of entries, already used 1

Which four changes must be made to configuration parameters to restore the Local Web Auth feature on the East-WLC-2504A? Assume the passwords are correctly entered as "ciscotest". (Choose four.)

- A. Remove the existing Local Net User Bill Smith and add a New Local Net User "Bill Smith" password "ciscotest\'," WLAN Profile "Contractors".
- B. Remove WLAN 10 and WLAN 2, replace WLAN 10 with Profile Name Employees and SSID Contractors; replace WLAN 2 with Profile Name Employees and SSID Employees.
- C. Remove WLAN 10 and WLAN 2, replace WLAN 10 with Profile Name Contractors and SSID Contractors, replace WLAN 2 with Profile Name Employees and SSID Employees.
- D. Change the Layer 2 security to None on the Contractors WLAN.
- E. Under Layer 3 Security, change the Layer 3 Security to Web Policy on the Contractors WLAN.
- F. Under Security Local Net Users add a New Local Net User "Bill Smith" password "Cisco", interface/Interface Group "east-wing".
- G. Change the Layer 2 Security to None + EAP Pass-through on the Contractors WLAN.
- H. Under WLANs > Edit "Contractors" change the interface/Interface group to "east-wing".

Correct Answer: CEFG

### QUESTION 3

Which three commands are part of the requirements on a Cisco Catalyst 3850 Series Switch with Cisco IOS XE to create a RADIUS authentication server group? (Choose three.)

- A. authentication dot1x default local
- B. aaa session-idcommon
- C. dot1x system-auth-control
- D. aaa new-model
- E. local-auth wcm\_eap\_prof



F. security dot1x

G. dot1x config-auth-control

Correct Answer: BCD

Reference: [http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec\\_usr\\_rad/configuration/xe-3se/3850/sec-usr-rad-xe-3se-3850-book/sec-rad-mult-udp-ports.html](http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_usr_rad/configuration/xe-3se/3850/sec-usr-rad-xe-3se-3850-book/sec-rad-mult-udp-ports.html)

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#### QUESTION 4

Which two elements must be configured on the switch for SPT to successfully detect and shut down an interface?  
(Choose two.)

A. SNMP v1

B. SSH

C. SNMP write community string

D. CDP

E. SNMP v3

Correct Answer: CE

Reference: [https://www.cisco.com/c/en/us/td/docs/net\\_mgmt/prime/infrastructure/3-2/admin/guide/bk\\_CiscoPrimeInfrastructure\\_3\\_2\\_AdminGuide/bk\\_CiscoPrimeInfrastructure\\_3\\_2\\_AdminGuide\\_chapter\\_01001.html](https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-2/admin/guide/bk_CiscoPrimeInfrastructure_3_2_AdminGuide/bk_CiscoPrimeInfrastructure_3_2_AdminGuide_chapter_01001.html)

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#### QUESTION 5

When a network engineer plans to implement the client MFP, which three settings should be supported by the client?  
(Choose three.)

A. Cisco Compatible Extensions v5

B. Short Preamble check box

C. WEP

D. WPA2 with TKIP

E. WPA with TKIP

F. WPA2 with AES

Correct Answer: ADF

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#### QUESTION 6

An engineer is configuring a new mobility anchor for a WLAN on the CLI with the config wlan mobility anchor add 3

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10.10.10.10 command, but the command is failing. Which two conditions must be met to be able to enter this command? (Choose two.)

- A. The anchor controller IP address must be within the management interface subnet.
- B. The anchor controller must be in the same mobility group.
- C. The WLAN ID must be enabled.
- D. The mobility group keepalive must be configured.
- E. The indicated WLAN ID must be present on the controller.

Correct Answer: AB

### QUESTION 7

How many mobility peers can a Cisco Catalyst 3850-MC node have?

- A. 8
- B. 2
- C. 6
- D. 16
- E. 4

Correct Answer: A

The Mobility Controller (MC) role is supported on a number of different platforms like, the Cisco WLC 5700 Series, CUWN and Catalyst 3850 Switches. The scale requirements on these three platforms are summarized in the table below:

Scalability	Catalyst 3850 MC	Catalyst 3650 MC	Cisco WLC 5700 as MC	CUWN 5508 MC	CUWN 5152 as MC
Max number of MC in Mobility Domain	8	8	72	72	72
Max number of MC in Mobility Group	8	8	24	24	24
Max number of MAs in Sub-domain (per MC)	16	16	350	350	350
Max number of SPGs in Sub-domain (per MC)	8	8	24	24	24
Max number of MAs in a SPG	16	16	64	64	64

Reference: [http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3850/software/release/3se/mobility/configuration\\_guide/b\\_mobility\\_3se\\_3850\\_cg/b\\_mobility\\_32se\\_3850\\_cg\\_chapter\\_010.html](http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3850/software/release/3se/mobility/configuration_guide/b_mobility_3se_3850_cg/b_mobility_32se_3850_cg_chapter_010.html)



#### QUESTION 8

You are implementing Cisco Identity Based Networking Services on a Cisco Catalyst 3850 Series Switch that uses downloadable service templates. What is the default password that must be configured on the RADIUS server?

- A. cisco
- B. Cisco
- C. Cisco123
- D. cisco123

Correct Answer: D

Reference: <https://www.cisco.com/en/US/docs/ios-xml/ios/san/configuration/xe-3se/3850/san-svc-temp.html>

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#### QUESTION 9

An engineer is implementing SNMP v3 on a Cisco 5700 Series WLC. Which three commands are the minimum needed to configure SNMP v3? (Choose three.)

- A. snmp-server enable traps
- B. snmp-server group
- C. snmp-server user
- D. snmp-server community
- E. snmp-server context
- F. snmp-server engineID

Correct Answer: BCF

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#### QUESTION 10

An engineer must ensure that the new wireless LAN deployment can support seamless roaming between access points using a standard based on an amendment to the 802.11 protocol. Which protocol must the engineer select?

- A. 802.11e
- B. 802.11r
- C. 802.11ac
- D. 802.11i

Correct Answer: B

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Reference: [https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/Enterprise\\_Mobility\\_8-1\\_Deployment\\_Guide/Chapter-11.pdf](https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/Enterprise_Mobility_8-1_Deployment_Guide/Chapter-11.pdf)

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### QUESTION 11

A network engineer is configuring a Cisco AireOS WLC environment for central web authentication using Cisco ISE. The controllers are configured using auto-anchor for the guest network. Which three components must be implemented for the foreign WLC? (Choose three.)

- A. DHCP RADIUS profiling enabled.
- B. HTTP RADIUS profiling enabled.
- C. UDP/1812-1813 open to ISE
- D. downloadable preauth ACL on ISE
- E. local preauth ACL on WLC
- F. WLAN Layer 2 security

Correct Answer: ACF

Reference: [https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/Enterprise\\_Mobility\\_8-1\\_Deployment\\_Guide/WirelessNetwork\\_GuestAccessService.pdf](https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/Enterprise_Mobility_8-1_Deployment_Guide/WirelessNetwork_GuestAccessService.pdf)

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### QUESTION 12

Which two attacks represent a social engineering attack? (Choose two.)

- A. using AirMagnet Wi-Fi Analyzer to search for hidden SSIDs
- B. calling the IT helpdesk and asking for network information
- C. spoofing the MAC address of an employee device
- D. entering a business and posing as IT support staff

Correct Answer: BD

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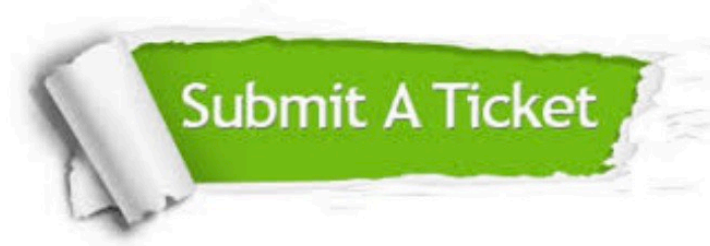
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