



642-737^{Q&As}

Implementing Advanced Cisco Unified Wireless Security (IAUWS) v2.0

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QUESTION 1

When deploying wireless Cisco NAC OOB operations, which appliance performs VLAN mappings to map the quarantine VLANs to the access VLANs?

- A. Cisco NAC Appliance Manager
- B. Cisco NAC Appliance Server
- C. Cisco NAC Guest Server
- D. Cisco Wireless LAN Controller
- E. the Layer 3 switch that connects the Cisco WLC to the Cisco NAC appliances

Correct Answer: B

QUESTION 2

Which two firewall protocol port(s) need open access for secure management access to an anchor WLC for guest access? (Choose two.)

- A. TCP 22
- B. TCP 23
- C. TCP 80
- D. TCP 8080
- E. TCP 443
- F. UDP 123

Correct Answer: AE

QUESTION 3

Which three products are required to produce Cisco Clean Air Security reports? (Choose three.)

- A. WLC v7.0
- B. WCS v7.0
- C. MSE v7.0
- D. Spectrum Expert v4.0
- E. 1260 AP
- F. 3500 AP



Correct Answer: ABF

QUESTION 4

802.1X AP supplicant credentials have been enabled and configured on a Cisco WLC v7.0 in both the respective Wireless>AP>Global Configuration location and AP>Credentials tab locations. What describes the 802.1X AP authentication process when connected via Ethernet to a switch?

- A. Only WLC AP global credentials are used.
- B. Only AP credentials are used.
- C. WLC global AP credentials are used first; upon failure, the AP credentials are used.
- D. AP credentials are used first; upon failure, the WLC global credentials are used.

Correct Answer: B

QUESTION 5

The Cisco WLC v7.0 is configured for external authentication of the management access to the WLC itself using the Cisco Secure ACS v4.2. The management user is limited to read access for all menu options except for full read/write access to the WLAN menu options.

Which two items are required in the Cisco Secure ACS network configuration to enable correct AAA? (Choose two.)

- A. AP IP address
- B. WLC virtual IP address
- C. WLC management IP address
- D. WLC AP management IP address
- E. hostname matching the WLC case-sensitive name
- F. authentication using RADIUS
- G. authentication using TACACS+

Correct Answer: CG

QUESTION 6

Which three Cisco WLC v7.0 CLI family of commands would be appropriate to troubleshoot a wireless client failure for connection to an AP? (Choose three.)

- A. debug capwap
- B. debug mac addr



- C. debug ccxdiag
- D. debug dhcp
- E. debug ap
- F. debug dtls
- G. debug aaa

Correct Answer: BDG

QUESTION 7

Which option verifies that a wireless client has authenticated to a WLAN when performing NAC using the Cisco NAC Appliance Manager and Server?

- A. Cisco CAM OOB Management > Devices > Discovered Clients
- B. Cisco CAS OOB Management > Devices > Discovered Clients
- C. Cisco CAM Monitor > View Online Users
- D. Cisco CAS Monitor > View Online Users

Correct Answer: C

QUESTION 8

An engineer is configuring client MFP. What WLAN Layer 2 security must be selected to use client MFP?

- A. 802.1x
- B. Static WEP
- C. WPA + WPA2
- D. CKIP

Correct Answer: C

QUESTION 9

Which group provides the complete set of options for user roles in an autonomous AP?

- A. Read-only
- B. Read-only and Read-write
- C. Read-only, Read-write, and Lobby-admin



- D. Read-only, Read-write, and Monitor
- E. Read-only, Read-write, and ALL
- F. Read-only, Read-write, Lobby-admin, and ALL

Correct Answer: B

QUESTION 10

Refer to the exhibit.

```
Apr  8 20:02:55.477: RADIUS(00000031): Send Access-Request
to 10.0.0.3:1234 id 21645/145, len 139
Apr  8 20:02:55.478: RADIUS: authenticator B6 F7 BB 41 0E 9F 44 D1
- 9A F8 E2 D7 5D 70 F2 76
Apr  8 20:02:55.478: RADIUS: User-Name          [1]  9  "aironet"
Apr  8 20:02:55.478: RADIUS: Framed-MTU         [12]  6  1400
Apr  8 20:02:55.478: RADIUS: Called-Station-Id   [30] 16  "0005.9a39.0374"
Apr  8 20:02:55.478: RADIUS: Calling-Station-Id  [31] 16  "0002.8aa6.304f"
Apr  8 20:02:55.478: RADIUS: Service-Type       [6]  6  Login          [1]
Apr  8 20:02:55.478: RADIUS: Message-Authenticato[80] 18  *
Apr  8 20:02:55.478: RADIUS: EAP-Message     [79] 14
omitted
Apr  8 20:03:15.470: RADIUS/DECODE:
parse response; FAIL
Apr  8 20:03:15.470: dot11_auth_dot1x_parse_aaa_resp:
Received server response: FAIL
Apr  8 20:03:15.470: dot11_auth_dot1x_parse_aaa_resp:
found eap pak in server response
Apr  8 20:03:15.470: dot11_auth_dot1x_parse_aaa_resp:
detailed aaa_status 1
Apr  8 20:03:15.471: dot11_auth_dot1x_run_rfsm:
Executing Action(SERVER WAIT,SERVER FAIL) for 0002.8aa6.304f
Apr  8 20:03:15.471: dot11_auth_dot1x_send_client_fail:
Authentication failed for 0002.8aa6.304f
Apr  8 20:03:15.471: %DOT11-7-AUTH_FAILED: Station 0002.8aa6.304f
Authentication failed
```

A client reports being unable to log into the wireless network. According to the output, which network information should be verified?

- A. the Failed Attempts log on the authentication server
- B. that the client certificate is installed and configured correctly
- C. that the AP has IP connectivity to the authentication server
- D. that the authentication service is running and functional
- E. that the authentication and accounting configuration are correct
- F. that the user has an account on the authentication server

Correct Answer: A



QUESTION 11

Which type of attack is characterized by an evil twin?

- A. DoS
- B. man in the middle
- C. jamming
- D. eavesdropping

Correct Answer: B

QUESTION 12

What is the proper procedure to enable Switch Port Trace in the GUI on the Cisco WCS?

- A. Administration > Settings > Switch Port Trace
- B. Administration > Audit > Switch Port Trace
- C. Administration > Reports > Switch Port Trace
- D. Administration > Alarms > Switch Port Trace

Correct Answer: A

QUESTION 13

Which statement about the Cisco NAC Guest Server that is deployed in wireless guest access implementations is true?

- A. The Cisco NAC Guest Server integrates with the Cisco WCS through the RADIUS protocol.
- B. The Cisco NAC Guest Server can be used in place of Cisco WCS Lobby Ambassador functionality for guest provisioning and reporting. The Cisco WCS is still needed for WLAN management.
- C. The Cisco WLC acts as the guest accounts provisioning portal, and the Cisco NAC Guest Server acts as the captive portal capturing web requests from preassigned "guest ports" and requesting authentication.
- D. Guest accounts on the Cisco NAC Guest Server can be created using the Cisco WCS Lobby Ambassador feature.

Correct Answer: B

QUESTION 14

Customer wants to configure Wireless client authentication using digital certificates with PKI. What happens after the signer encrypts the hash with the private key of the signer during the certification signature process?

- A. The verifier obtains the public key of the signer.



- B. The encrypted hash is appended to the document as the signature.
- C. The verifier decrypts the signature of the signer using the public key.
- D. The verifier makes a hash of the received document and compares it to the decrypted signature hash.

Correct Answer: B

QUESTION 15

When using the Standalone Profile Editor in the Cisco AnyConnect v3.0 to create a new NAM profile, which two statements describe the profile becoming active? (Choose two.)

- A. selects the new profile from NAM
- B. selects "Network Repair" from NAM
- C. becomes active after a save of the profile name
- D. ensures use of "configuration.xml" as the profile name
- E. ensures use of "config.xml" as the profile name
- F. ensures use of "nam.xml" as the profile name

Correct Answer: BD

QUESTION 16

What are the four packet types that are used by EAP? (Choose four.)

- A. EAP Type
- B. EAP Request
- C. EAP Identity
- D. EAP Response
- E. EAP Success
- F. EAP Failure
- G. EAP Authentication

Correct Answer: BDEF

QUESTION 17

Wireless client voice calls are being degraded during roaming using a Cisco 7925 series phone on a wireless network. What mechanism can resolve the issue?



- A. CCKM
- B. 802.11r
- C. PKC
- D. 802.11i

Correct Answer: A

QUESTION 18

An IPS appliance is being integrated into the Cisco Unified Wireless Network solution in promiscuous mode. Which two parameters are required when configuring a Cisco WLC v7.0 for the addition of the IPS appliance services? (Choose two.)

- A. WLAN > AAA Override is enabled
- B. WLAN > P2P Blocking is enabled
- C. WLAN > Client Exclusion is enabled
- D. WLAN > NAC State is enabled
- E. Security > RADIUS accounting IP address
- F. Security > Sensors IP address

Correct Answer: CF

QUESTION 19

A network engineer is configuring NAC out-of-band integration on the Wireless LAN Controller. What two configuration options are required? (Choose two.)

- A. dynamic interface tied to quarantine VLAN
- B. enable guest-lan nac
- C. AP groups
- D. enable NAC State
- E. configure quarantine VLAN on interface as 0

Correct Answer: AD

QUESTION 20

When deploying wireless Cisco NAC OOB operations, which device signals the WLC to switch a user from a quarantine VLAN to an access VLAN?



- A. Cisco NAC Appliance Manager
- B. Cisco NAC Appliance Server
- C. Cisco NAC Guest Server
- D. Cisco ACS
- E. Cisco WCS

Correct Answer: A

QUESTION 21

An engineer is configuring NAC on a Wireless LAN Controller. What two CLI commands are required to create NAC out-of-band integration for SSID Cisco? (Choose two.)

- A. config interface quarantine vlan Cisco 10
- B. config interface quarantine vlan Cisco 0
- C. config wlan nac enable Cisco
- D. config guest-lan nac enable Cisco
- E. config wlan apgroup nac wlan Cisco
- F. config wlan apgroup nac guest-lan Cisco

Correct Answer: AC

QUESTION 22

What is the default security level that is used for syslog messages to a Cisco WLC v7.0- buffered log?

- A. Alerts
- B. Errors
- C. Warnings
- D. Notification
- E. Informational
- F. Disabled

Correct Answer: B

QUESTION 23



Which statement correctly describes the usage of the debug command in a Cisco Unified Wireless Network?

- A. Debug is enabled until manual shut off.
- B. Debug is available on the WLC serial console and web interface.
- C. Debug is a restricted command and is not available in the AP CLI.
- D. Debug is a message logging severity 7.

Correct Answer: D

QUESTION 24

Which two parameters can directly affect client roaming decisions? (Choose two.)

- A. SNR
- B. RSSI
- C. MFP status
- D. RF fingerprinting
- E. RRM

Correct Answer: AB

QUESTION 25

How many tunnels can a Cisco WLC v7.0 anchor?

- A. 63
- B. 64
- C. 71
- D. 72
- E. 253
- F. 254

Correct Answer: C

QUESTION 26

When a supplicant and AAA server are configured to use PEAP, which mechanism is used by the client to authenticate the AAA server in Phase One?



- A. PMK
- B. shared secret keys
- C. digital certificate
- D. PAC

Correct Answer: C

QUESTION 27

An engineer has configured passive fallback mode for RADIUS with default timer settings. What will occur when the primary RADIUS fails then recovers?

- A. RADIUS requests will be sent to the secondary RADIUS server until the secondary fails to respond.
- B. The controller will immediately revert back after it receives a RADIUS probe from the primary server.
- C. After the inactive time expires the controller will send RADIUS to the primary.
- D. Once RADIUS probe messages determine the primary controller is active the controller will revert back to the primary RADIUS.

Correct Answer: C

QUESTION 28

An engineer configures the wireless LAN controller to perform 802.1x user authentication. Which option must be enabled to ensure that client devices can connect to the wireless, even when WLC cannot communicate with the RADIUS?

- A. local EAP
- B. Cisco Centralized Key Management
- C. authentication caching
- D. pre-authentication

Correct Answer: A

QUESTION 29

What two settings must be selected under the wireless properties security tab to configure EAP-TLS on a Microsoft Windows client? (Choose two.)

- A. 802.1X
- B. Shared



- C. WPA2-Personal
- D. WPA2-Enterprise
- E. Network Security Key
- F. Smart Card or other certificate
- G. Protected EAP

Correct Answer: DF

QUESTION 30

All users on one of the two guest WLANs are failing to connect after a configuration change was made to a controller. What is the cause of the outage?

- A. The interface or VLAN of the anchor controller and foreign controller no longer match.
- B. The configuration of the failing WLAN no longer matches the foreign controllers.
- C. The address of the NAC guest server has been changed.
- D. The DHCP server on the foreign controller was changed.

Correct Answer: B

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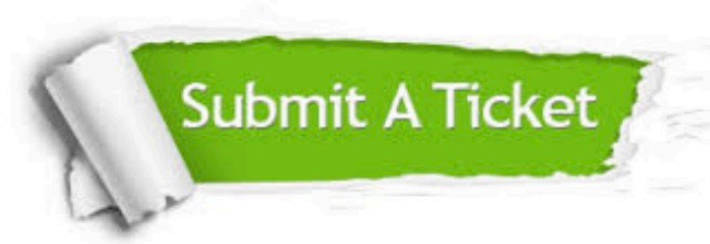
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