



Cisco

Exam Questions 300-430

Implementing Cisco Enterprise Wireless Networks (ENWLSI)

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NEW QUESTION 1

A wireless engineer must implement a corporate wireless network for a large company in the most efficient way possible. The wireless network must support 32 VLANs for 300 employees in different departments. Which solution must the engineer choose?

- A. Configure a second WLC to support half of the APs in the deployment.
- B. Configure one single SSID and implement Cisco ISE for VLAN assignment according to different user roles.
- C. Configure different AP groups to support different VLANs, so that all of the WLANs can be broadcast on both radios.
- D. Configure 16 WLANs to be broadcast on the 2.4-GHz band and 16 WLANs to be broadcast on the 5.0-GHz band.

Answer: B

NEW QUESTION 2

Which two restrictions are in place with regards to configuring mDNS? (Choose two.)

- A. mDNS uses only UDP port 5436 as a destination port.
- B. mDNS cannot use UDP port 5353 as the destination port.
- C. mDNS is not supported on FlexConnect APs with a locally switched WLAN.
- D. Controller software must be newer than 7.0.6+.
- E. mDNS is not supported over IPv6.

Answer: CD

NEW QUESTION 3

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

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

Answer: B

NEW QUESTION 4

Which QoS level is recommended for guest services?

- A. gold
- B. bronze
- C. platinum
- D. silver

Answer: B

NEW QUESTION 5

Which two statements about the requirements for a Cisco Hyperlocation deployment are true? (Choose two.)

- A. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- B. NTP can be configured, but that is not recommended.
- C. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.
- D. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.
- E. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.

Answer: AC

NEW QUESTION 6

An engineer wants to configure WebEx to adjust the precedence and override the QoS profile on the WLAN. Which configuration is needed to complete this task?

- A. Change the WLAN reserved bandwidth for WebEx
- B. Create an AVC profile for WebEx
- C. Create an ACL for WebEx
- D. Change the AVC application WebEx-app-sharing to mark

Answer: B

NEW QUESTION 7

Which three properties are used for client profiling of wireless clients? (Choose three.)

- A. HTTP user agent
- B. DHCP
- C. MAC OUI
- D. hostname
- E. OS version
- F. IP address

Answer:

ABC

NEW QUESTION 8

Which command set configures a Cisco Catalyst 9800 Series Wireless Controller so that the client traffic enters the network at the AP switch port?

A.

B.

A.

B.

Answer: B

NEW QUESTION 9

What is the difference between PIM sparse mode and PIM dense mode?

- A. Sparse mode supports only one switch
- B. Dense mode supports multiswitch networks.
- C. Sparse mode flood
- D. Dense mode uses distribution trees.
- E. Sparse mode uses distribution tree
- F. Dense mode floods.
- G. Sparse mode supports multiswitch network
- H. Dense mode supports only one switch.

Answer: C

NEW QUESTION 10

Refer to the exhibit.

Which two items must be supported on the VoWLAN phones to take full advantage of this WLAN configuration? (Choose two.)

- A. TSPEC
- B. SIFS
- C. 802.11e
- D. WMM
- E. APSD

Answer: CD

NEW QUESTION 10

A user is trying to connect to a wireless network that is configured for WPA2-Enterprise security using a corporate laptop. The CA certificate for the authentication server has been installed on the Trusted Root Certification Authorities store on the laptop. The user has been prompted to enter the credentials multiple times, but the authentication has not succeeded. What is causing the issue?

- A. There is an IEEE invalid 802.1X authentication policy on the authentication server.
- B. The user Active Directory account is locked out after several failed attempts.
- C. There is an invalid 802.1X authentication policy on the authenticator.
- D. The laptop has not received a valid IP address from the wireless controller.

Answer: C

NEW QUESTION 15

A new MSE with wIPS service has been installed and no alarm information appears to be reaching the MSE from controllers. Which protocol must be allowed to reach the MSE from the controllers?

- A. SOAP/XML
- B. NMSP
- C. CAPWAP
- D. SNMP

Answer: A

NEW QUESTION 18

For security purposes, an engineer enables CPU ACL and chooses an ACL on the Security > Access Control Lists > CPU Access Control Lists menu. Which kind of traffic does this change apply to, as soon as the change is made?

- A. wireless traffic only
- B. wired traffic only
- C. VPN traffic
- D. wireless and wired traffic

Answer: A

NEW QUESTION 23

An IT team is growing quickly and needs a solution for management device access. The solution must authenticate users from an external repository instead of the current local on the WLC, and it must also identify the user and determine what level of access users should have. Which protocol do you recommend to achieve these goals?

- A. network policy server
- B. RADIUS
- C. TACACS+
- D. LDAP

Answer: C

NEW QUESTION 25

Which two steps are needed to complete integration of the MSE to Cisco Prime Infrastructure and be able to track the location of clients/rogues on maps? (Choose two.)

- A. Synchronize access points with the MSE.
- B. Add the MSE to Cisco Prime Infrastructure using the CLI credentials.
- C. Add the MSE to Cisco Prime Infrastructure using the Cisco Prime Infrastructure communication credentials configured during set up.
- D. Apply a valid license for Wireless Intrusion Prevention System.
- E. Apply a valid license for location tracking.

Answer: DE

NEW QUESTION 29

What is the default IEEE 802.1x AP authentication configuration on a Cisco Catalyst 9800 Series Wireless Controller?

- A. EAP-PEAP with 802.1x port authentication
- B. EAP-TLS with 802.1x port authentication
- C. EAP-FAST with CAPWAP DTLS + port authentication
- D. EAP-FAST with CAPWAP DTLS

Answer: C

NEW QUESTION 30

When using a Cisco Catalyst 9800 Series Wireless Controller, which statement about AutoQoS is true?

- A. It has a set of predefined profiles that you cannot modify further
- B. It matches traffic and assigns each matched packet to QoS groups
- C. It automates deployment of wired QoS and makes wireless QoS implementation easier
- D. It allows the output policy map to put specific QoS queues into specific subgroups

Answer: B

NEW QUESTION 35

An engineer must implement rogue containment for an SSID. What is the maximum number of APs that should be used for containment?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/wireless/technology/roguedetection_deploy/Rogue_Detection.html

NEW QUESTION 38

What is the maximum time range that can be viewed on the Cisco DNA Center issues and alarms page?

- A. 3 hours
- B. 24 hours
- C. 3 days
- D. 7 days

Answer: B

NEW QUESTION 43

Where is Cisco Hyperlocation enabled on a Cisco Catalyst 9800 Series Wireless Controller web interface?

- A. Policy Profile
- B. AP Join Profile
- C. Flex Profile
- D. RF Profile

Answer: B

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b_wl_16_10_cg/cisco-hyperlocation.html

NEW QUESTION 47

A wireless engineer needs to implement client tracking. Which method does the angle of arrival use to determine the location of a wireless device?

- A. received signal strength
- B. triangulation
- C. time distance of arrival
- D. angle of incidence

Answer: D

Explanation:

Reference: <https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/WiFiLBS-DG/wifich2.html>

NEW QUESTION 49

A FlexConnect remote office deployment is using five 2702i APs indoors and two 1532i APs outdoors. When a code upgrade is performed and FlexConnect Smart AP Image Upgrade is leveraged, but no FlexConnect Master AP has been configured, how many image transfers between the WLC and APs will occur?

- A. 1
- B. 2
- C. 5
- D. 7

Answer: B

NEW QUESTION 53

Which three characteristics of a rogue AP pose a high security risk? (Choose three.)

- A. open authentication
- B. high RSSI
- C. foreign SSID
- D. accepts clients
- E. low RSSI
- F. distant location

Answer: ACD

NEW QUESTION 54

Branch wireless users report that they can no longer access services from head office but can access services locally at the site. New wireless users can associate to the wireless while the WAN is down. Which three elements (Cisco FlexConnect state, operation mode, and authentication method) are seen in this scenario? (Choose three.)

- A. authentication-local/switch-local
- B. WPA2 personal
- C. authentication-central/switch-central
- D. lightweight mode
- E. standalone mode
- F. WEB authentication

Answer: ABE

NEW QUESTION 55

An engineer is configuring multicast for wireless for an all-company video meeting on a network using EIGRP and BGP within a single domain from a single source. Which type of multicast routing should be implemented?

- A. Protocol Independent Multicast Dense Mode
- B. Source Specific Multicast
- C. Multicast Source Discovery Protocol
- D. Protocol Independent Multicast Sparse Mode

Answer: D

NEW QUESTION 56

Which component must be integrated with Cisco DNA Center to display the location of a client that is experiencing connectivity issues?

- A. Cisco Hyperlocation Module
- B. Wireless Intrusion Prevention System
- C. Cisco Connected Mobile Experiences
- D. Cisco Mobility Services Engine

Answer: A

NEW QUESTION 61

An engineer configured a Cisco AireOS controller with two TACACS+ servers. The engineer notices that when the primary TACACS+ server fails, the WLC starts using the secondary server as expected, but the WLC does not use the primary server again until the secondary server fails or the controller is rebooted. Which cause of this issue is true?

- A. Fallback is enabled
- B. Fallback is disabled
- C. DNS query is disabled
- D. DNS query is enabled

Answer: B

NEW QUESTION 66

A Cisco WLC has been added to the network and Cisco ISE as a network device, but authentication is failing. Which configuration within the network device configuration should be verified?

- A. SNMP RO community
- B. device interface credentials
- C. device ID
- D. shared secret

Answer: D

NEW QUESTION 67

Refer to the exhibit. A network administrator deploys the DHCP profiler service in two ISE servers: 10.3.10.101 and 10.3.10.102. All BYOD devices connecting to WLAN on VLAN63 have been incorrectly profiled and are assigned as unknown profiled endpoints. Which action efficiently rectifies the issue according to Cisco recommendations?

- A. Nothing needed to be added on the Cisco WLC or VLAN interface
- B. The ISE configuration must be fixed.
- C. Disable DHCP proxy on the Cisco WLC.
- D. Disable DHCP proxy on the Cisco WLC and run the ip helper-address command under the VLAN interface to point to DHCP and the two ISE servers.
- E. Keep DHCP proxy enabled on the Cisco WLC and define helper-address under the VLAN interface to point to the two ISE servers.

Answer: C

NEW QUESTION 69

Which statement about the VideoStream/Multicast Direct feature is true?

- A. IP multicast traffic is reliable over WLAN by default as defined by the IEEE 802.11 wireless multicast delivery mechanism.
- B. Each VideoStream client acknowledges receiving a video IP multicast stream.
- C. It converts the unicast frame to a multicast frame over the air.

D. It makes the delivery of the IP multicast stream less reliable over the air, but reliable over Ethernet.

Answer: B

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/configuration-guide/b_cg81/multicast_broadcast_setup.html

NEW QUESTION 70

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