



300-430^{Q&As}

Implementing Cisco Enterprise Wireless Networks (ENWLSI)

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QUESTION 1

An engineer must provide a graphical report with summary grouped data of the total number of wireless clients on the network. Which Cisco Prime Infrastructure report provides the required data?

- A. Client Summary
- B. Posture Status Count
- C. Mobility Client Summary
- D. Client Traffic Stream Metrics

Correct Answer: C

QUESTION 2

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

Correct Answer: ABE

Authentication-local/switch-local

This state represents a WLAN that uses open, static WEP, shared, or WPA2 PSK security methods. User traffic is switched locally. These are security methods supported locally if a FlexConnect goes into standalone mode. The WLAN continues to beacon and respond to probes (Fig

Standalone mode—The WLC is unreachable. The FlexConnect has lost or failed to establish CAPWAP

QUESTION 3

An engineer must implement a BYOD policy with these requirements: Onboarding unknown machines Easily scalable Low overhead on the wireless network

Which method satisfies these requirements?



- A. triple SSID
- B. open SSID
- C. dual SSID
- D. single SSID

Correct Answer: D

QUESTION 4

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

Correct Answer: D

Angle of Arrival (AoA)

The *Angle of Arrival (AoA)* technique, sometimes referred to as *Direction of Arrival (DoA)*, locates the mobile station by determining the *angle of incidence* at which signals arrive at the receiving sensor. Geometric relationships can then be used to estimate location from the intersection of two

QUESTION 5

A wireless engineer must configure access control on a WLC using a TACAS+ server for a company that is implementing centralized authentication on network devices. Which role must be configured under the shell profile on the TACAS+ server for a user with read-only permissions?

- A. MANAGEMENT
- B. MONITOR
- C. ADMIN
- D. READ

Correct Answer: B

QUESTION 6



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

Correct Answer: C

https://www.cisco.com/c/en/us/td/docs/wireless/controller/ewc/1612/configguide/ewc_cg_16_12/802_1x_support.pdf

QUESTION 7

An engineer just added a new MSE to Cisco Prime Infrastructure and wants to synchronize the MSE with the Cisco 5520 WLC, which is located behind a firewall in a DMZ. It is noticed that NMSP messages are failing between the two devices. Which traffic must be allowed on the firewall to ensure that the MSE and WLC can communicate using NMSP?

- A. TCP 1613
- B. UDP 16113
- C. TCP 16113
- D. UDP 1613

Correct Answer: C

<https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/113344-cuwn-ppm.html>
<https://www.cisco.com/c/en/us/support/docs/wireless/mobility/2014/09/25/what-is-nmsp/>

QUESTION 8

Which configuration is applied to prevent the network from a Layer 2 flooding of multicast frames with a seamless transfer of multicast data to the client when roaming from one controller to another?

- A. Enable IGMPv3 on the central Layer 3 switch.
- B. Enable IGMP snooping on the WLC
- C. Enable multicast mode on the WLC
- D. Create multicast groups on the central Layer 3 switch.

Correct Answer: B

<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/81671-multicast-wlc-lap.html>

QUESTION 9



An organization is supporting remote workers in different locations. In order to provide wireless network connectivity and services, OfficeExtend has been implemented. The wireless connectivity is working, but users report losing connectivity to their local network printers. Which solution must be used to address this issue?

- A. WLAN static IP tunneling
- B. FlexConnect local switching
- C. OEAP split tunnel
- D. OEAP gateway override

Correct Answer: C

QUESTION 10

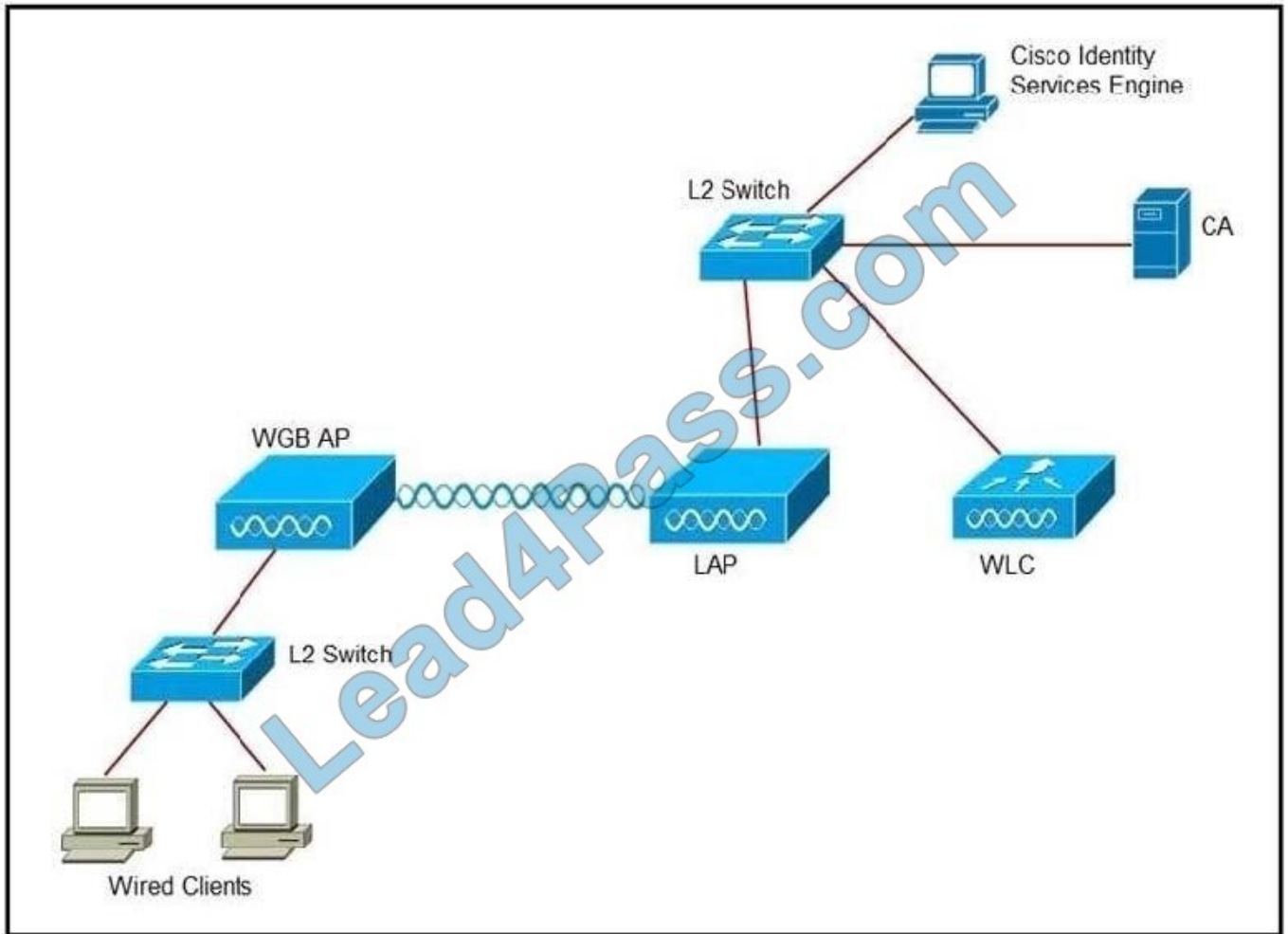
An engineer is implementing profiling for BYOD devices using Cisco ISE. When using a distributed model, which persona must the engineer configure with the profiling service?

- A. Policy Services Node
- B. Device Admin Node
- C. Monitor Node
- D. Primary Admin Node

Correct Answer: A

QUESTION 11

Refer to the exhibit.



An engineer must connect a fork lift via a WGB to a wireless network and must authenticate the WGB certificate against the RADIUS server. Which three steps are required for this configuration? (Choose three.)

- A. Configure the certificate, WLAN, and radio interface on WGB.
- B. Configure the certificate on the WLC.
- C. Configure WLAN to authenticate using ISE.
- D. Configure the access point with the root certificate from ISE.
- E. Configure WGB as a network device in ISE.
- F. Configure a policy on ISE to allow devices to connect that validate the certificate.

Correct Answer: ACF

<https://mrncciew.com/2018/05/25/wgb-with-peap/>

QUESTION 12

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.

Correct Answer: CE

The major steps involved in setting up a Hyperlocation system are:

1. Assemble the APs and mount them to the ceiling, recording the exact X, Y, height, and orientation of the devices.
2. Install Cisco WLC and connect the APs to Cisco WLC.
3. Enable the functions that are required, including Hyperlocation, in Cisco WLC.
4. Import Cisco WLC into Cisco PI.
5. Place the AP on the map in Cisco PI.
6. Save and export the map from Cisco PI to a local storage point.
7. Install Cisco CMX.
8. Configure and enable Hyperlocation.
9. Import the map from the local storage point.
10. Verify that the system is showing the clients correctly on the map and that the APs are placed and oriented correctly.
11. Complete Location Accuracy testing of static clients to determine the level of accuracy obtained.

<https://www.cisco.com/c/en/us/products/collateral/wireless/mobility-services-engine/datasheet-c78-734648.html>

QUESTION 13

A customer is deploying local web authentication. Which software application must be implemented on Cisco ISE to utilize as a directory service?

- A. Solaris Directory Service
- B. LDAP
- C. SAML
- D. Novell eDirectory

Correct Answer: B

when you want to **Match Client Certificate Against Certificate In Identity Store**. For this you must select an identity source (**LDAP** or Active Directory.)

QUESTION 14



A customer wants to Aps in the CEO's office to have different usernames and passwords for administrative support than the other APs deployed through the facility. Which feature must be enabled on the WLC and Aps to achieve this goal?

- A. Override global credentials
- B. 802.1X supplicant credentials
- C. Local management users
- D. HTTPS access

Correct Answer: B

QUESTION 15

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

Correct Answer: D

- If your WLC is already configured on ISE, the WLC must have a shared secret configured. If the WLC definition does not have the shared secret, then either add the shared secret, or delete the WLC from ISE, before configuring that WLC in Wireless Setup.

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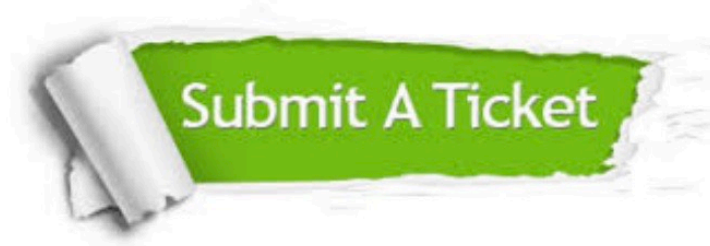
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