

300-425^{Q&As}

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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QUESTION 1

A customer called with a requirement that internal clients must be on different subnets depending on the building they are in, AP access points are operating in local mode and will not be modified, and this is a single controller solution. Which design approach creates the desired result?

- A. Create an SSID, place it to the desired VLAN under WLANs, and configure 802.1x in ISE to assign the correct VLAN based on the SSID from which the client is authenticating.
- B. Create FlexConnect groups, place the access points in, and set the correct VLAN to SSID mapping based on location.
- C. Create AP groups for each desired location, map the correct VLANs to the internal SSID, and add the access points for that location.
- D. Create mobility anchors for the SSID, and on the controller under the internal SSID, create a foreign map to the desired VLAN based on location.

Correct Answer: C

QUESTION 2

Which UDP port numbers are used for exchange mobility packets in an AireOS wireless deployment?

- A. UDP 16666 for control plane, EoIP (IP protocol 97) for data plane
- B. UDP 16668 for control plane, UDP 16667 for data plane
- C. UDP 16667 for control plane, UDP 16666 for data plane
- D. UDP 16666 for control plane, UDP 16667 for data plane

Correct Answer: D

Reference:

- Enable these UDP ports for Mobility traffic:
 - 16666 – Secured Mode
 - 16667 – Unsecured Mode
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QUESTION 3

While performing an AP-on-a-stick survey with a cell boundary of -67 dBm, an engineer is consistently reading SNR less than 15 dB in a particular area within the cell boundary. What is causing this issue?

- A. Another signal is interfering with the AP.

- B. The engineer forgot to compensate for the wall type in that area.
- C. The AP transmit power is too low.
- D. The engineer is too far from the AP.

Correct Answer: A

QUESTION 4

An engineer is reducing the subnet size of the corporate WLAN by segmenting the VLAN into smaller subnets. Clients will be assigned a subnet by location. Which type of groups can the engineer use to map the smaller subnets to the corporate WLAN?

- A. WLC port groups
- B. RF groups
- C. AP groups
- D. interface groups

Correct Answer: C

Reference:

- AP groups give the ability to statically map Wi-Fi service (WLAN) to VLAN based on physical location
 - Users see the same Wi-Fi service on all sites.
 - Admin can monitor and filter based on different IP@ each site
 - Can also be used to have smaller Wi-Fi subnets
-

QUESTION 5

An engineer has designed an anchor redundancy for guest clients connecting to SSID with auto-anchor configured. After adding a second Anchor WLC under the SSID mobility anchor list, clients are load-balanced between existing and new anchors instead of having one anchor as active and the other one as standby. Which feature should be included in the design that will be configured on the WLC running 8.1 or above to ensure anchor redundancy?

- A. Auto-Anchor Foreign Mapping
- B. AP groups
- C. Guest Anchor Priority
- D. 802.11r

Correct Answer: C

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