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Exam Code: 300-425

Certification Provider: Cisco

Exam: Designing Cisco Enterprise Wireless Networks (300-425 ENWLSD)

Q1.

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

Answer: D

See the explanation below.

- Enable these UDP ports for Mobility traffic:

- 16666 - Secured Mode
- 16667 - Unsecured Mode

Q2.

A customer asks an engineer to explain the concept of mobility domains and mobility groups. Which statement does the engineer respond with?

- A. A mobility group does not constrain the distribution of security context of a client and also does not constrain AP fail-over between controllers when the WLC are in the same mobility domain.
- B. If WLCs are in the same mobility domain, they communicate with each other but, if an anchor WLC is present it must be in the same mobility domain for communication to be possible.
- C. If WLCs are in the same mobility domain, they communicate with each other. Mobility groups constrain the distribution of security context of a client and also

constrain AP fail-over between controllers.

- D. WLCs do not need to be in the same mobility domain to communicate with each other. Mobility groups constrain the distribution of security context of a client and also constrain AP fail-over between controllers.

Correct Answer

Answer: C

See the explanation below.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-0/configuration-guide/b_cg80/b_cg80_chapter_010011.html

Q3.

An engineer is designing a wireless deployment for a university auditorium. Which two features can be used to help deal with the issues introduced by high AP count? (Choose two.)

- A. TSPEC
- B. RXSOP
- C. TPC
- D. LSS
- E. DFS

Correct Answer

Answer: C, E

See the explanation below.

<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/80211/200069-Overview-on-802-11h-Transmit-Power-Cont.html>

Q4.

A wireless engineer is designing a wireless network to support real-time applications over wireless. Which IEEE protocol must the engineer enable on the WLC so that the number of packets that are exchanged between an access point and client are reduced and fast roaming occurs?

- A. 802.11w
- B. 802.11r

- C. 802.11i
- D. 802.11k

Correct Answer

Answer: D

See the explanation below.

802.11r reduces the number of packets that are exchanged between the client and an AP. The client pre-authenticates with the AP before roaming. This means the roam itself occurs faster because the AP already has the client authentication credentials for the client and the AP.

Q5.

A network administrator of a global organization is collapsing all controllers to a single cluster located in central Europe. Which concern must be addressed?

- A. Some channels may not be available consistently across the organization.
- B. Different RF policies per office are not available in this configuration.
- C. Syslog must be configured to the time-zone of the NMS platform.
- D. Centralized controllers cannot uniformly authenticate global users.

Correct Answer

Answer: C