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Cisco

Exam Questions 300-425

Designing Cisco Enterprise Wireless Networks (ENWLSD)

NEW QUESTION 1
A high-density wireless network is designed. Which Cisco WLC configuration setting must be incorporated in the design to encourage clients to use the 5 GHz spectrum?

A. Band Select
B. RRM
C. Cisco Centralized Key Management
D. load balancing

Answer: A

NEW QUESTION 2
A network engineer is preparing for an office site survey with a height of 2.5 meters. Which three components are recommended to complete the survey? (Choose three.)

A. Use a battery pack to power APs
B. Use a drawing of the office space to draw AP and client placements.
C. Use DoS attack on APs while measuring the throughput.
D. Use APs with directional antennas.
E. Use APs with external antennas.
F. Use APs with built-in antennas.

Answer: ABF

NEW QUESTION 3
Which two considerations must a network engineer have when planning for voice over wireless roaming? (Choose two.)

A. Full reauthentication introduces gaps in a voice conversation.
B. Roaming time increases when using 802.1x + Cisco Centralized Key Manegement.
C. Roaming occurs when the phone has seen at least four APs.
D. Roaming occurs when the phone has reached -80 dBs or below.
E. Roaming with only 802.1x authentication requires full reauthentication.

Answer: AE

NEW QUESTION 4
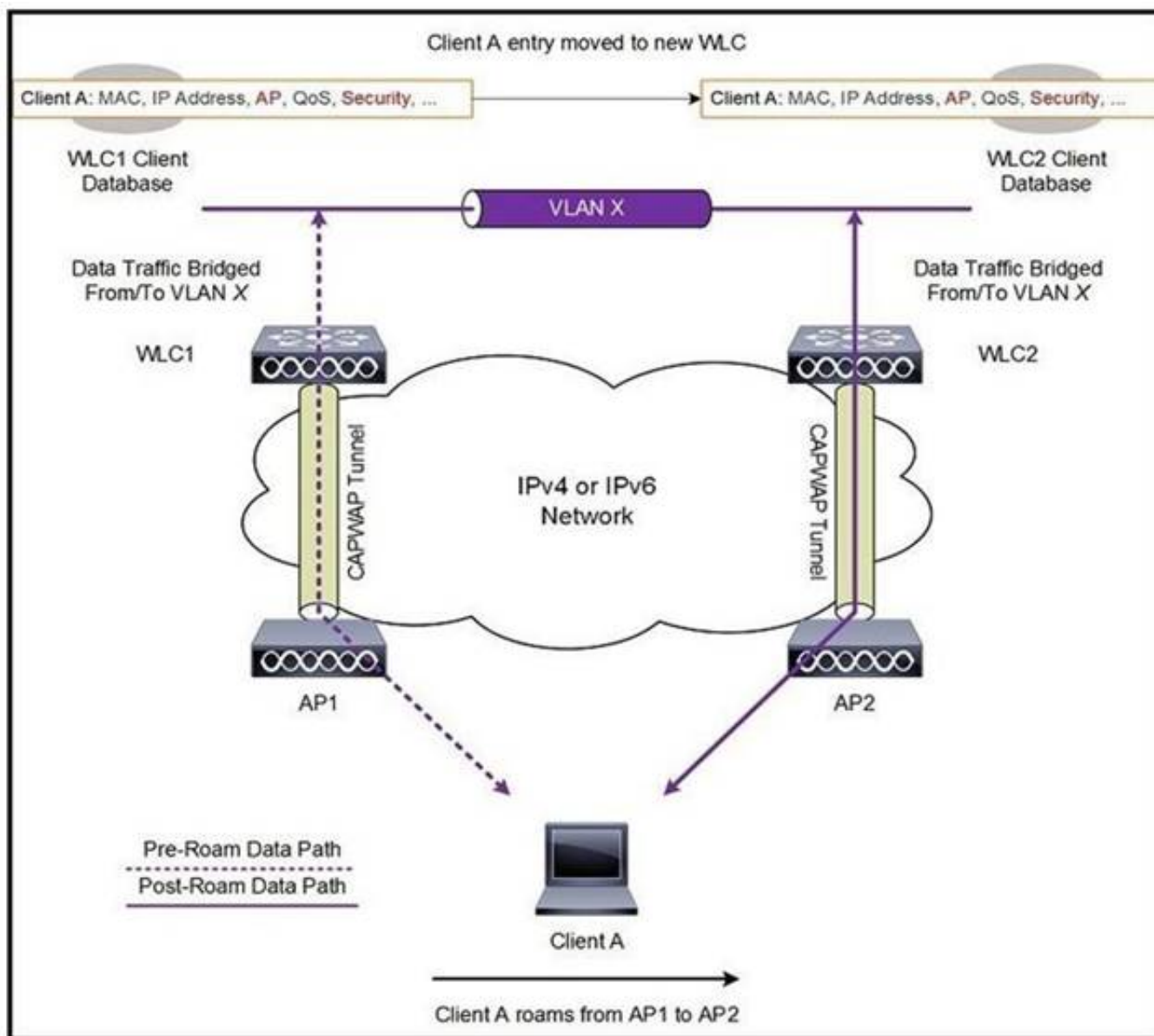
Refer to the exhibit. A client roams between two APs that are registered to two different controllers, where each controller has an interface in the client subnet. Both controllers are running AireOS. Which scenario explains the client roaming behavior?

A. Controllers exchange mobility control messages (over UDP port 16666) and the client database entry is moved from the original controller to the new controller.
B. Controllers do not exchange mobility control messages (over UDP port 16666) and the client database, entry is not moved from the original controller to the new conrtoler.
C. Controllers exchange mobility control messages (over UDP port 16666) and a new client session is started with the new controller.

D. Controllers exchange mobility control messages (over UDP port 16666) and the client database entry is tunneled from the original controller to the new controller.

Answer: A

NEW QUESTION 5
An engineer has performed a predictive site survey for high-speed data and voice in an indoor office. What is the recommended data rate with -67 dBm signal level for optimal VoWLAN design?

A. 6 Mbps on 802.11 bgn
B. 24 Mbps on 802.11 bgn
C. 12 Mbps on 802.11 an
D. 24 Mbps on 802.11 an

Answer: B

NEW QUESTION 6
A wireless network consultant must assess an existing wireless LAN controller. Which section must the consultant check before replacing the old APs with APs that are IEEE 802.11ac-capable?

A. number of AP licenses
B. controller PSU
C. throughput capacity
D. software version

Answer: A

NEW QUESTION 7
An engineer must create data link redundancy for the company's Cisco Wireless LAN controller. The engineer has decided to configure LAG-based redundancy instead of port-based redundancy. Which three features of LAG-based redundancy influenced this decision? (Choose three.)

A. Packets are always sent out on the same port they are received on.
B. All interface traffic passes as long as one port is up.
C. The same port has multiple untagged dynamic interfaces.
D. Interface connection to two separate nonstacked switches is available.
E. Full bandwidth of all links is available.
F. Ports are grouped into multiple LAGs.

Answer: ABF

NEW QUESTION 8
An engineer must speed up the reauthentication delays that are being experienced on the wireless infrastructure by deploying a key-caching mechanism. Which mechanism must be configured?

A. PEAP
B. FT
C. PMF
D. GTK-randomization

Answer: B

NEW QUESTION 9
A customer is running a guest WLAN with a foreign/export-anchor setup. There is one anchor WLC in the US and two in Europe. Anchor WLC priorities are used to prefer local anchors. During a routine network audit, it is discovered that a large number of guest client sessions in the US are anchored to the WLCs in Europe. Which reason explains this behavior?

A. The foreign WLC failed and recovered.
B. The US anchor WLC failed and recovered.
C. The US anchor WLC is anchored to itself with a priority value of zero.
D. The anchor WLC is in the same mobility group.

Answer: B

NEW QUESTION 10
Which non-Wi-Fi interferer can be identified by Metageek Chanalyzer?

A. PDAs
B. jammers
C. smartphones
D. printers

Answer: B

NEW QUESTION 10
A wireless engineer is designing a wireless network for a warehouse using access points with internal antennas. Which two elements have a negative effect on the

wireless users? (Choose two.)

A. wireless channels
B. access point height
C. client authentication
D. client authorization
E. absorption

Answer: BE

NEW QUESTION 11

An engineer must ensure that the wireless network can accomplish fast secure roaming by way of caching keys on the access points. Which key caching mechanism is enabled by default on a Cisco AireOS WLC?

A. SKC
B. OKC
C. 802.11r
D. CCKM

Answer: D

NEW QUESTION 12

A network engineer is working on a design for a wireless network that must support data, voice, and location services. To support these services, which access point placement must the engineer use?

A. corner only
B. perimeter and corner
C. perimeter only
D. indoor and outdoor

Answer: C

NEW QUESTION 17

A network engineer is configuring high availability on an access point. What is the maximum number of controllers that can be configured?

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

Answer: B

NEW QUESTION 19

A university is in the process of designing a wireless network in an auditorium that seats 500 students and supports student laptops. Which design methodology should the university implement in the auditorium?

A. roaming design model
B. voice design model
C. location design model
D. high-density design model

Answer: B

NEW QUESTION 24

A customer has two Cisco 550B WLCs that manage all the access points in their network and provide N+1 redundancy and load balancing. The primary Cisco WLC has 60 licenses and the secondary Cisco WLC has 40. The customer wants to convert the N+1 model to an HA model and provide SSO. Configuration must be performed during a maintenance window. After performing all the configurations on both controllers, the config redundancy unit secondary command is issued on the secondary Cisco WLC and it fails. Which parameter needs to be in place to complete the configuration?

A. A cable in the RP port
B. The secondary Cisco WLC needs a minimum of 50 base licenses
C. The primary Cisco WLC is already set as the secondary unit.
D. SSO needs to be enabled

Answer: B

NEW QUESTION 26

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