



300-425^{Q&As}

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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QUESTION 1

An engineer is designing a new wireless network. The network needs to fulfill the following requirements:

1.
support multimedia applications
2.
support a high concentration of wireless clients
3.
support data over wireless
4.
support roaming

Which approach should be used?

- A. use of micro cells with reduced power levels
- B. use of macro cells with reduced power levels
- C. coverage for cells at maximum power levels
- D. use of macro cells with maximum power levels

Correct Answer: A

QUESTION 2

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

Correct Answer: B

Reference:



Step 2 Enable sticky key caching by entering this command:

```
config wlan security wpa wpa2 cache sticky enable wlan_id
```

By default, SKC is disabled and opportunistic key caching (OKC) is enabled.

An extension of this technique is known as OKC (Opportunistic Key Caching), a method not defined in 802.11i but necessary to enable optimized roaming at layer 2 for client devices moving between APs. Using OKC, all APs on the same layer 2 network will receive a copy of a client's PMK ID, enabling client devices authenticated via 802.1X to authenticate with decreased latency whilst roaming. In this fashion, even if a client has not been

QUESTION 3

How does the environment affect the wireless network when conducting a site survey in a multifloor building?

- A. Elevator shafts block RF signals.
- B. Stocked supply rooms cause noise floor.
- C. Stocked supply rooms cause reflection.
- D. Elevator shafts cause signal scattering.

Correct Answer: A

QUESTION 4

An engineer must assess an existing company WLAN to determine the possibility for future IEEE 802.11ac Wave 2 wireless deployment. The existing WLAN is IEEE 802.11a/n and has IEEE 802.11n and 802.11a clients. The engineer must advise the customer about support for these older clients on the new APs. What happens with client compatibility?

- A. 802.11ac is backward compatible with 802.11n but not with 802.11a.
- B. 802.11ac is backward compatible with 802.11a but not with 802.11n.
- C. 802.11ac is backward compatible with 802.11a and 802.11n.
- D. 802.11ac is backward compatible with 802.11a and 802.11n.

Correct Answer: C

QUESTION 5

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

Correct Answer: B

Reference:

- With Release 7.4, an HA-SKU secondary controller can be configured as a backup controller for N+1 HA. For example, the following can be used as an HA-SKU controller:
 - 5508 Series Standalone controller with 50 AP license

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