



300-425^{Q&As}

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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**QUESTION 1**

Refer to the exhibit.

AireOS 5520:

```
config mobility group domain CCNP
config mobility group member add 00:1e:14:08:fb:ff 10.0.109.4 CCNP encrypt
enable
config mobility group member hash 10.0.109.4
dc0582ed7748ecfdb543cedd82caafa34b705a39
config mobility group member data-dtls 00:1e:14:08:fb:ff enable
```

IOS-XE 9800-CL

```
wireless mobility group name CCNP
wireless mobility mac-address 001E.E63D.CDFF
wireless mobility group member mac-address a493.4cb1.15e0 ip 10.0.100.2 public-
ip 10.0.100.2 group CCNP
```

An engineer is about to establish a mobility peer connection between a Cisco Catalyst 9800-CL version 16.10.1e and Cisco AireOS 5520 version 8.8.120.0. The data path between the 9800-CL and AireOS 5520 is down, but its control path is up. Based on the configuration, what is the cause of the issue?

- A. The certificate hash key is incorrect leading to data path down.
- B. The data-link-encryption configuration is missing from the 9800-CL configuration.
- C. Encrypted mobility is being used in the 5520 configuration leading to data path down.
- D. CAPS is used to key in MAC address in the IOS_XE configuration leading to data path down.

Correct Answer: B

Reference: <https://www.cisco.com/c/en/us/support/docs/wireless/catalyst-9800-series-wireless-controllers/213913-building-mobility-tunnels-on-catalyst-98.html#anc9>

QUESTION 2

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

Correct Answer: B

Reference:

802.11r, which is the IEEE standard for fast roaming, introduces a new concept of roaming where the initial handshake with the new AP is done even before the client roams to the target AP, which is called Fast Transition (FT). The initial handshake allows the client and APs to do the Pairwise Transient Key (PTK) calculation in advance. These PTK keys are applied to the client and AP after the client does the reassociation request or response exchange with new target AP.

QUESTION 3

A network engineer must design a new wireless solution for a company, but the budget can only stretch to include a single Cisco 9800-40 WLC. The company requires high availability between the WLC and the core switch in the event of a cable failure. The WLC must dynamically manage port redundancy and perform load balancing between APs transparently. Which design approach must the engineer take to meet the requirements?

A. LAG

B. Multi-LAG

C. LACP

D. PAgP

Correct Answer: A

QUESTION 4

Where must the APs be mounted when used in a high-density wireless network to provide 6 dB to 20 dB of attenuation to a cell?

A. in the aisle

B. under the seat

C. above the stage

D. under the stage

Correct Answer: B

Reference:

Under seat or under desk mounting can provide from 6 dB to 20 dB of attenuation to the cell,

QUESTION 5

DRAG DROP



A wireless consultant is creating a wireless design for a multistory building. The building will house several groups that will use the wireless network for different operations. Depending on how the wireless network is used, different wireless approach designs must be taken. Drag and drop the services from the left onto the AP density levels on the right based on the wireless deployment requirements.

Select and Place:

Answer Area

location services

data services

voice services

low density

medium density

high density

Correct Answer:

Answer Area

data services

location services

voice services