

# 300-425 Interactive Practice Exam & Top 300-425 Exam Dumps



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**>> 300-425 Interactive Practice Exam <<**

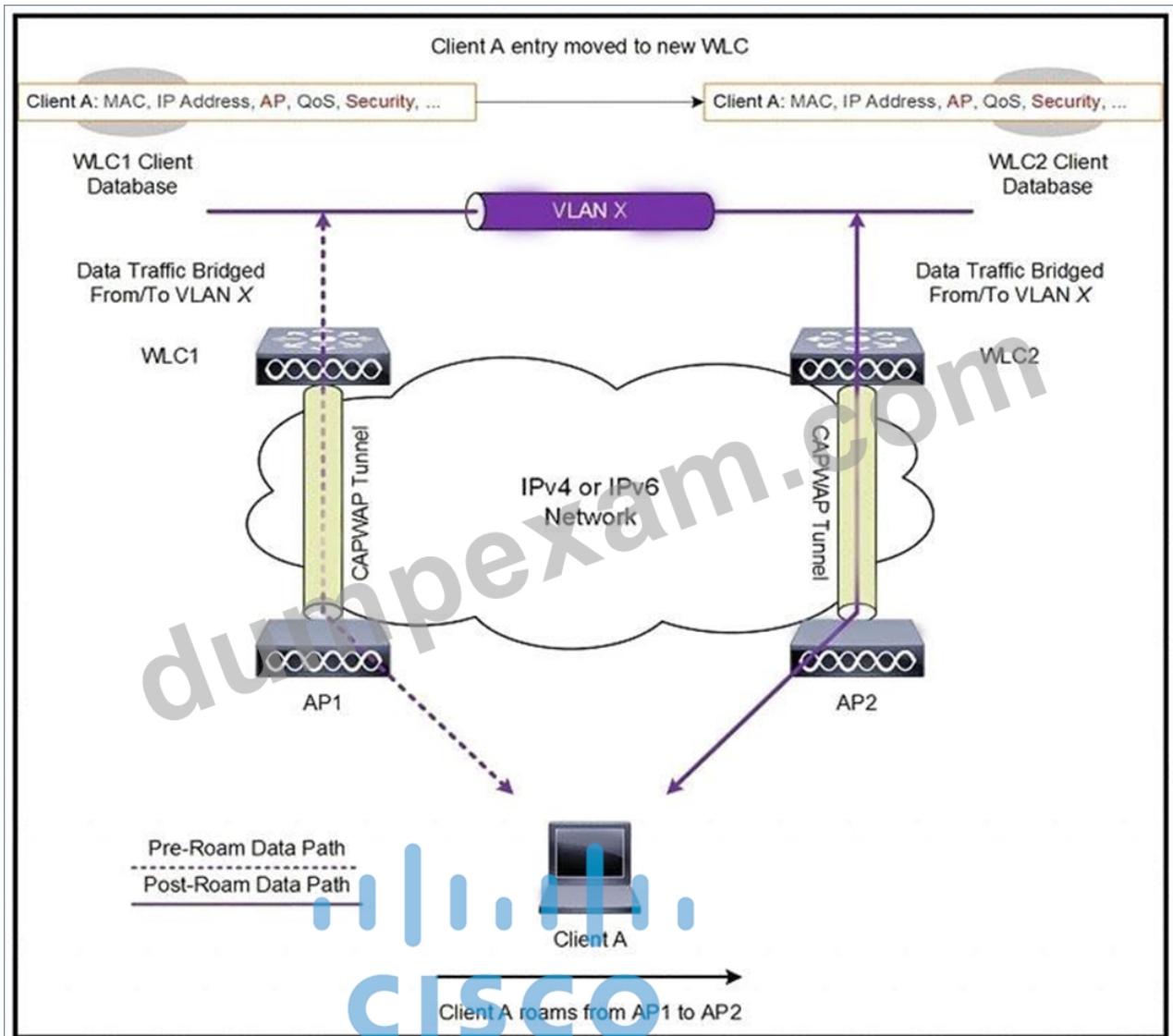
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## Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q150-Q155):

### NEW QUESTION # 150

Refer to the exhibit.

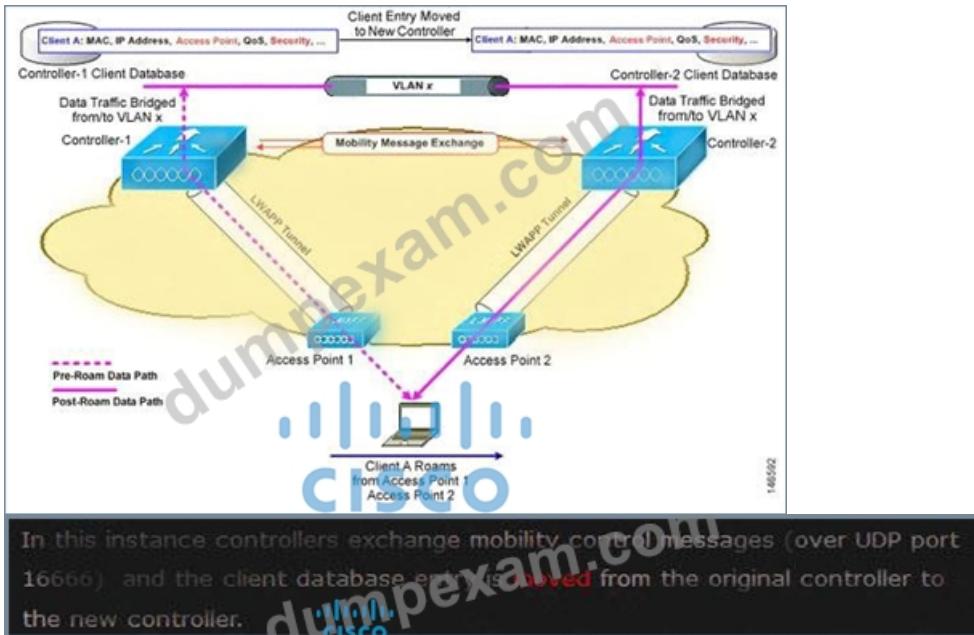


A client roams between two APs that are registered to two different controllers, where each controller has an interface in the client subnet. Both controllers are running AireOS. Which scenario explains the client roaming behavior?

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

**Answer: A**

Explanation:



### NEW QUESTION # 151

Which statement about creating a mobility group is true, excluding mobility anchors?

- A. If WLCs with HA SSO are deployed, each WLC in the WLC HA pair considered separately as a mobility peer.
- B. **Each WLC must use the same mobility name and be defined as a peer in each other's static mobility members list.**
- C. A mobility group does not require all WLCs in the group to use the same virtual IP address.
- D. The WLCs do not have to be of the same model or type to be a member of a mobility group, however each member should be running different software versions.

### Answer: B

Explanation:

Creating a mobility group requires that all Wireless LAN Controllers (WLCs) share the same mobility group name. This allows them to recognize each other as peers and participate in client mobility events. The WLCs must be defined as peers in each other's static mobility members list to facilitate inter-controller communication and roaming.

### NEW QUESTION # 152

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. CAPS is used to key in MAC address in the IOS\_XE configuration leading to data path down.

- C. The data-link-encryption configuration is missing from the 9800-CL configuration.
- D. Encrypted mobility is being used in the 5520 configuration leading to data path down.

**Answer: D**

Explanation:

The data path issue between the Cisco Catalyst 9800-CL and AireOS 5520, despite an active control path, is likely due to encrypted mobility being enabled on the AireOS 5520. Encrypted mobility requires both peers to have a matching configuration for encryption, which includes proper certificates and shared secrets. If there's a mismatch, the control path may be established, but the data path can fail due to the inability to establish an encrypted tunnel.

**NEW QUESTION # 153**

A customer is migrating from a legacy Cisco AireOS WLC to a new Cisco 9800 IOS XE WLC with Cisco 9100 APs. The new APs must associate to the Catalyst 9800 WLC, and wireless clients must seamlessly roam between the old and new WLCs even during SSO. The new Catalyst 9800 WLC deployment is configured to use SSO. Which command must be added to meet the requirements?

- A. C9800 (config) # ip default-gateway <IP>
- B. C9800 (config) # management gateway-failover enable
- C. C9800# chassis redundancy ha-interface local-ip <local IP> <local IP subnet> remoteip <remote IP>
- D. C9800# wireless mobility mac-address <MAC>

**Answer: D**

Explanation:

On Catalyst 9800-series controllers, you use the wireless mobility mac-address command to add an AireOS WLC as a mobility peer by its system MAC address. This ensures that APs can discover and associate with the new 9800 WLC and that client session context is exchanged for seamless roaming between the legacy and new controllers, even across an SSO failover.

**NEW QUESTION # 154**

Multiple WLCs are implemented in a high-availability configuration in a mobility group. APs are deployed with only a primary controller assigned. By default, which mobility group member controller do the orphaned APs join in the event of a failed controller?

- A. controller with the most available AP free license capacity
- B. controller with the least number of associated APs
- C. controller with the least CPU utilization over the last reporting period
- D. controller with the lowest percent of associated APs per license capacity

**Answer: D**

Explanation:

In a high-availability configuration, orphaned APs will join the controller with the lowest percentage of associated Access Points (APs) per license capacity by default. This ensures a balanced distribution of APs across the controllers in the mobility group, optimizing resource utilization and network performance. Reference: Designing Cisco Enterprise Wireless Networks (ENWLS 300-425)

**NEW QUESTION # 155**

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