



**Free Questions for 300-425 by certsinside**

**Shared by Levy on 20-10-2022**

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## Question 1

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**Question Type:** MultipleChoice

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A wireless engineer must design mobility between two buildings at a campus site. The engineer has one controller at each site. The engineer is investigating inter-controller CAPWAP data and control traffic. Which two ports must be open? (Choose two.)

**Options:**

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A- 5246

B- 5247

C- 8443

D- 16666

E- 16667

**Answer:**

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C, D

## Question 2

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**Question Type: MultipleChoice**

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Refer to the exhibit.

General	Credentials	Interfaces	High availability	Inventory	Advanced
		Name	Management IP Address(Ipv4/Ipv6)		
Primary Controller		<input type="text" value="WLC-PRIMARY"/>	<input type="text" value="192.168.1.11"/>		
Secondary Controller		<input type="text" value="WLC-SECONDARY"/>	<input type="text" value="10.42.98.11"/>		
Tertiary Controller		<input type="text"/>	<input type="text"/>		
AP Failover Priority		<input type="text" value="Low"/>			

An engineer determined that during a recent controller failure, some APs did not failover to their secondary controller based on the network design, which has sufficient licenses for all APs. The controllers are not in a mobility group but have A records for their hostnames in DNS. Which setting needs to be addressed?

**Options:**

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- A-** The controllers must be in the same mobility group.
- B-** The secondary controller IP address is incorrect.
- C-** DNS hostnames are required to be FQDN.

**D-** The AP failover priority was not set high enough.

**Answer:**

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D

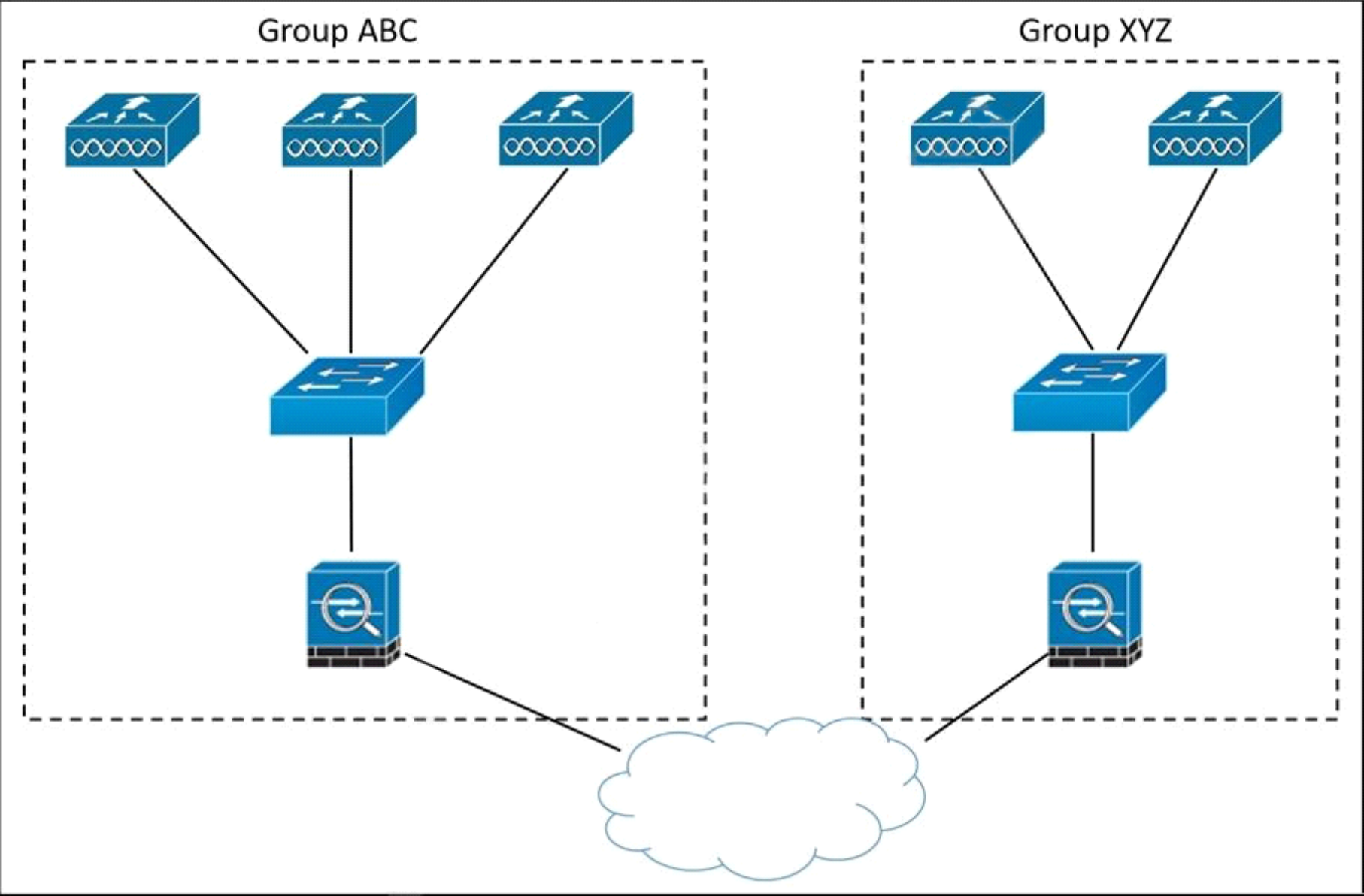
## **Question 3**

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**Question Type: MultipleChoice**

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Refer to the exhibit.



An enterprise has offices spread around the globe. The APs are connected to different controllers installed in separate datacenters. The IT team wants to allow clients to roam from controllers in group ABC to controllers in group XYZ. Which feature must be incorporated in the design to accomplish this task?

**Options:**

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- A- switch peer group
- B- workgroup bridge
- C- mDNS gateway
- D- mobility lists

**Answer:**

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D

## Question 4

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**Question Type: MultipleChoice**

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An engineer must repurpose a lab WLC appliance for use in the production environment of the enterprise. After the new WLC is configured with the information of the other WLC, the mobility tunnels are still not coming up. What is the reason?

### Options:

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- A- A firewall is blocking UDP port 16667 between the WLCs.
- B- The WLC management interfaces are in the same VLAN.
- C- The hardware platform is incompatible.
- D- The mobility groups are different.

### Answer:

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D

## Question 5

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### Question Type: MultipleChoice

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An AP is receiving 802.11 packets on its 802.11a radio with an RSSI value of -77 dBm. The current AP is part of an AP group that has been assigned an RF profile with RX-SOP set to Medium for 802.11

a. Which action does the AP take with the packets?

### Options:

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- A- All frames are classified as non-Wi-Fi frames and are not decoded by the 5 GHz radio.
- B- Frames are decoded by the 2.4 GHz radio.
- C- All frames are classified as non-Wi-Fi frames and are not decoded by the 2.4 GHz radio.
- D- Frames are decoded by the 5 GHz radio.

### Answer:

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C

## Question 6

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### Question Type: MultipleChoice

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Two cisco 5520 wireless LAN controllers are managing all access points throughout the network. The WLCs are in different locations to provide geographical redundancy a mobility group has been configured on both WLCs and has a UP status on both controllers. The Aps in location A are statically configured to use controller A as the primary and controller B as the secondary. If the WLC in location A goes offline. The Aps successfully join the WLC in location, but they do not fail over to their primary configured controller. Which configuration task fixes the issue?



### Options:

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- A- Configure the WLC in location A as primary using the CAPWAP AP Controller IP Address command on all the location A Access points.
- B- Use DHCP Option 43 and specify WLC in location A as primary.
- C- Enable AP fallback globally on the WLC
- D- Change the AP Failover Priority to critical.

### Answer:

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C

## Question 7

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### Question Type: MultipleChoice

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A customer called with a requirement that internal clients must be on different subnets depending on the building they are in. All access points are operating in local mode and will not be modified, and this is a single controller solution. Which design approach creates the desired result?

### Options:

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- A-** Create AP groups for each desired location, map the correct VLANs to the internal SSID, and add the access points for that location.
- B-** Create an SSID place it to the desired VLAN under WLANs and configure 802.1x in ISE to assign the correct VLAN based on the SSID from which the client is authenticating
- C-** Create FlexConnect groups, place the access points in, and set the correct VLAN to SSID mapping based on location.
- D-** Create mobility anchors for the SSID and on the controller under the internal SSID create a foreign map to the desired VLAN based on location.

### Answer:

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A

### Explanation:

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<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-vlan/71477-ap-group-vlans-wlc.html>

## Question 8

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**Question Type:** MultipleChoice

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An engineer is designing a network deployment for a college with six buildings. Each building must have a WLC located in the IDF to support the APs. The wireless clients should be able to roam between the APs and the controllers. Which type of wireless architecture should be used?

### Options:

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- A- Distributed
- B- Centralized
- C- Cloud
- D- Autonomous

### Answer:

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B

### Explanation:

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Cloud-based architecture has controllers in the cloud, not on premises. Autonomous architecture means each AP is autonomous and is not managed by a WLC, distributed architecture is another term for autonomous architecture, so the same applies. Centralized architecture, a.k.a. split-MAC architecture is when all APs are managed centrally by WLCs, they do not need to be co-located.

Understanding Cisco Wireless Architectures - CCNA Wireless 200-355 Official Cert Guide (2016) (apprize.best)

[https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob41dg/emob41dg-wrapper/ch2\\_Arch.html](https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob41dg/emob41dg-wrapper/ch2_Arch.html)

## Question 9

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**Question Type:** MultipleChoice

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An enterprise has moved most services to the cloud, including email applications and real-time communication. Which feature must be enabled on the wireless network to improve the user experience?

### Options:

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- A- QoS
- B- Radio management
- C- Interference mitigation
- D- Fast secure roaming

### Answer:

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D

### Explanation:

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## Question 10

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### Question Type: MultipleChoice

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A network engineer is designing a new wireless network. The network needs to have these characteristics:

- support high client concentration
- optimize client performance
- avoid interference

Which approach should be taken?

### Options:

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- A-** Deploy APs near each other for 5 GHz coverage, and disable the 2A GHz radios for some Aps.
- B-** Deploy APs near each other for 2.4 GHz coverage, and disable the 5 GHz radios for all APs.
- C-** Deploy APs near each other for 5 GHz coverage, and enable the 2.4 GHz radios for all Aps.
- D-** Deploy APs near each other for 2.4 GHz coverage, and disable the 5 GHz radios for some APs.

**Answer:**

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D

**Explanation:**

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[https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/86/b\\_Cisco\\_Wireless\\_LAN\\_Controller\\_Configuration\\_Best\\_Practices.html](https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/86/b_Cisco_Wireless_LAN_Controller_Configuration_Best_Practices.html)

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