

2026 Valid Test 300-425 Format - Designing Cisco Enterprise Wireless Networks Realistic Test Centres Free PDF



Designing Cisco Enterprise Wireless Networks v1.0 (300-425)

Exam Description: Designing Cisco Enterprise Wireless Networks v1.0 (ENWLSD 300-425) is a 90-minute exam associated with the CCNP Enterprise Certification. This exam certifies a candidate's knowledge of wireless network design including site surveys, wired and wireless infrastructure, mobility and WLAN high availability. The course, Designing Cisco Enterprise Wireless Networks, helps candidates to prepare for this exam.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

25%	1.0	Wireless Site Survey
	1.1	Collect design requirements and evaluate constraints
	1.1.a	Client density
	1.1.b	Real-time applications
	1.1.c	AP type
	1.1.d	Deployment type (site, location, voice, video)
	1.1.e	Security
	1.2	Describe material attenuation and its effect on wireless design
	1.3	Perform and analyze a Layer 1 site survey
	1.4	Perform a pre-deployment site survey
	1.5	Perform a post-deployment site survey
	1.6	Perform a prediction site survey
	1.7	Utilize planning tools and evaluate key network metrics (Ekahau, AirMagnet, Fl, Chisel, Spectrum Analyzer)
30%	2.0	Wired and Wireless Infrastructure
	2.1	Determine physical infrastructure requirements such as AP power, cabling, switch port capacity, mounting, and grounding
	2.2	Determine logical infrastructure requirements such as WLC/AP licensing requirements based on the type of wireless architecture
	2.3	Design radio management
	2.3.a	RRM
	2.3.b	RF profiles

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In order to meet all demands of all customers, our company has employed a lot of excellent experts and professors in the field to design and compile the 300-425 study materials with a high quality. It has been a generally accepted fact that the 300-425 Study Materials from our company are more useful and helpful for all people who want to pass exam and gain the related exam. We believe this resulted from our constant practice, hard work and our strong team spirit.

Cisco 300-425 exam is designed for professionals who are responsible for designing, implementing, and maintaining wireless networks in an enterprise environment. Candidates must have a solid understanding of wireless network design principles and should be familiar with Cisco wireless technologies such as Wireless LAN Controllers (WLCs), Access Points (APs), and Mobility Express solutions. They should also be proficient in conducting site surveys, selecting appropriate wireless technologies, and designing wireless networks for high availability, scalability, and security.

What is Salary of Cisco 300-425 Exam

The CCENT certification is a good start in the Cisco certification track. The salary of CCENT level professionals would be 45,000 USD and the salary could reach 99,000 USD with senior professionals.

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A passing score on the Cisco 300-425 Exam is 825 out of 1000. Candidates who pass the exam will receive the Cisco Certified Specialist - Enterprise Wireless Design certification, which is a valuable credential for professionals seeking to advance their careers in wireless network design and implementation. Designing Cisco Enterprise Wireless Networks certification demonstrates that the candidate has the skills and knowledge required to design and implement wireless networks that meet the needs of their organization.

Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q255-Q260):

NEW QUESTION # 255

Which CLI command does an engineer use to validate that the redundancy peer of a Stateful Switchover pair of controllers is up and connected?

- A. ping
- B. eping
- C. rping
- D. mping

Answer: B

Explanation:

The 'eping' command is used on Cisco Wireless LAN Controllers to verify that the redundancy peer in a Stateful Switchover (SSO) pair of controllers is up and connected. This command sends ECHO packets to the peer controller to ensure connectivity.

NEW QUESTION # 256

An engineer is conducting a Layer 2 site survey. Which type of client must the engineer match to the survey?

- A. worst client available
- B. best client available
- C. normal client
- D. phone client

Answer: A

Explanation:

<https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057-site-survey-guidelines-wlan-00.html>

NEW QUESTION # 257

When conducting a site survey for real-time traffic over wireless, which two design capabilities of smartphones and tablets must be considered? (Choose two.)

- A. lower data rates than laptops
- B. no support for 802.11ac
- C. higher data rates than laptops
- D. fewer antennas than laptops
- E. no support for 802.11r

Answer: A,C

Explanation:

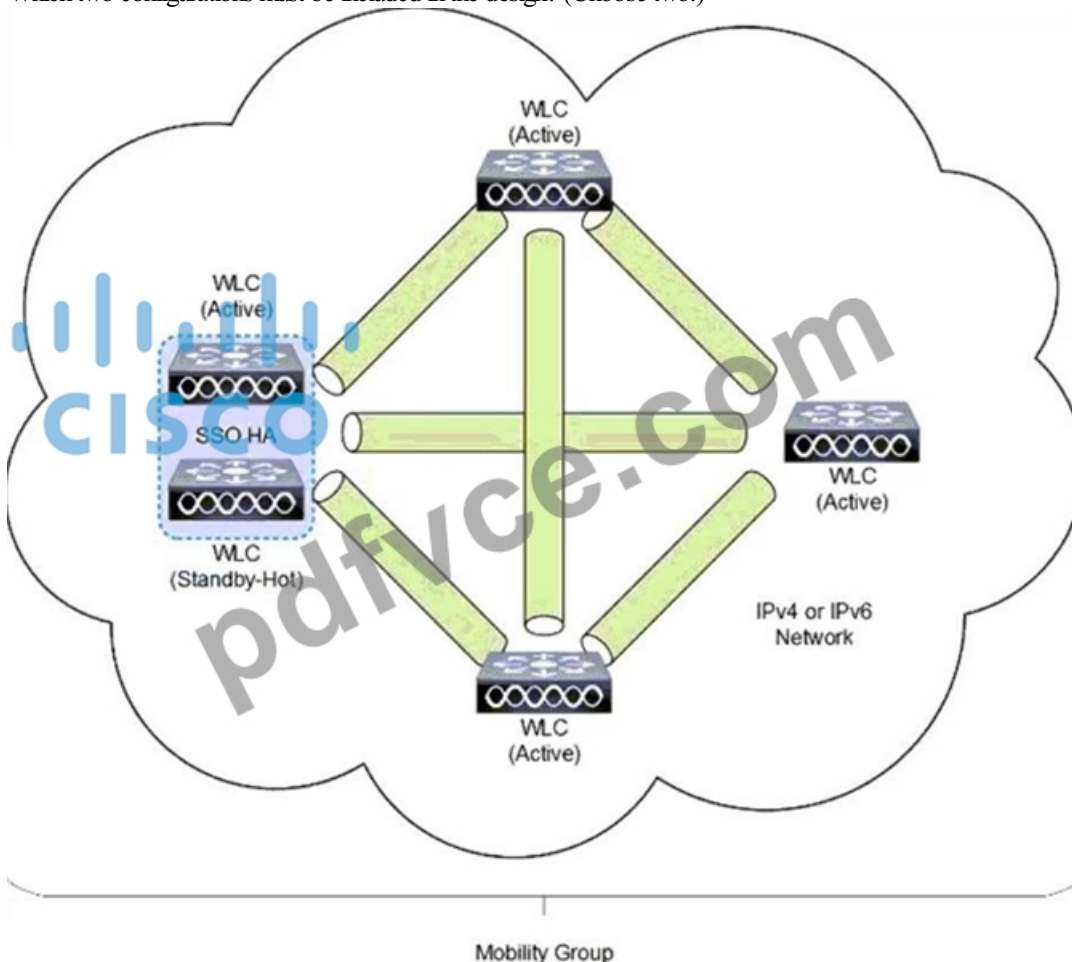
Site surveys are one of the basic requirements when you deploy a WLAN, and you must always consider the Wi-Fi capabilities of the client devices or endpoints. Most smartphones and tablets support 802.11. However, generally, the smartphones and tablets have fewer antennas and lower data rates than laptops. In addition, most are not purpose-built for the enterprise WLAN market. Almost all smartphones and tablets support enterprise security policies. However, many of them do not support

NEW QUESTION # 258

Refer to the exhibit. An engineer must design a mobility group that has these requirements:

- The mobility group must consist of five WLCs.
- All WLCs must run software version 8.0 or later.
- The WLCs must connect via an IPv4 network.
- Two of the WLCs must be in an SSO high availability pair.

Which two configurations must be included in the design? (Choose two.)



- A. Each WLC must use the same mobility domain name.
- B. All the WLCs must run the same software version.
- C. Only WLCs in an SSO high availability pair must use the same virtual IP address.
- D. All the WLCs must be of the same model or type.
- E. The WLAN SSID must be consistent across all the WLCs.

Answer: A,B

NEW QUESTION # 259

What is the attenuation value of a human body on a wireless signal?

- A. 4 dB
- B. 12 dB
- C. 6 dB
- D. 3 dB

Answer: C

The human body can attenuate a wireless signal by approximately 6 dB. This is due to the water content in the human body, which absorbs and reflects radio frequency signals, leading to a reduction in signal strength as it passes through or around a person. This factor is important to consider in wireless network design, especially in environments with high user density.

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