

Quiz 300-425 - Designing Cisco Enterprise Wireless Networks—Trustable Reliable Test 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.

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| 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 (data, 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 predictive site survey |
| | 1.7 | Utilize planning tools and evaluate key network metrics (Ekahau, AirMagnet, PI, Chanalyzer, 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 addition to theoretical knowledge, candidates must also have practical experience in designing and implementing wireless networks. They must be able to perform site surveys, analyze RF data, and design wireless networks that meet the requirements of different types of organizations, including small businesses and large enterprises.

Cisco 300-425 certification exam focuses on designing enterprise wireless networks with Cisco technologies. It is a professional-level exam designed for network engineers and architects who are involved in the planning, design, implementation, and optimization of wireless networks for large enterprises. 300-425 Exam is part of the Cisco Certified Design Professional (CCDP) certification track, which validates the advanced knowledge and skills required to design complex enterprise networks.

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Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q195-Q200):

NEW QUESTION # 195

A technician connects a Cisco Aironet 3700 Series access point to a switch and realizes that the AP is coming up with 3x3 MIMO. Which reason explains this behavior?

- A. The switch is 802.3af capable.
- B. A redundant power supply is unavailable on the switch.
- C. The switch is PoE+ capable.
- D. The AP is getting power from a power injector.

Answer: C

NEW QUESTION # 196

A customer has a single anchor WLC named Anchor A. Anchor A is in a DMZ and provides guest access. The customer wants to deploy an additional anchor controller named Anchor B to provide redundancy if Anchor A fails. Which design approach should be taken for the guest WLAN priority on the foreign WLC for each anchor WLC?

- A. Set Anchor A to priority 3 and Anchor B to priority 3.
- B. Set Anchor A to priority 1 and Anchor B to priority 1.
- C. Set Anchor A to priority 3 and Anchor B to priority 1.
- D. Set Anchor A to priority 1 and Anchor B to priority 3.

Answer: D

NEW QUESTION # 197

A school deploys a Cisco wireless infrastructure in its classrooms to support a high density of mobile devices. The network administrator wants to bond channels in groups of two and only allow APs to send 802.11 management frames at 24 MB. What should be included in the design to accomplish this objective?

- A. Set the channel width for 802.11b to 40 MHz and set data rates to 24 MB and Mandatory.
- B. Set the channel width for 802.11a to 40 MHz and set data rates to 24 MB and Mandatory.
- C. Set the channel width for 802.11b to 40 MHz and set data rates to 24 MB and Supported.
- D. Set the channel width for 802.11a to 40 MHz and set data rates to 24 MB and Supported.

Answer: B

Explanation:

To support a high density of mobile devices and bond channels in groups of two, the channel width for 802.11a should be set to 40 MHz. Setting the data rates to 24 MB and Mandatory ensures that only APs can send 802.11 management frames at this rate, which helps in managing the airtime fairness.

NEW QUESTION # 198

Which wireless survey method validates that the AP placement meets design requirements after installation?

- A. Post-deployment survey
- B. Predictive survey
- C. Virtual survey
- D. Passive survey

Answer: A

NEW QUESTION # 199

Which two considerations must a network engineer have when planning for voice over wireless roaming? (Choose two.)

- A. Roaming with only 802.1x authentication requires full reauthentication.
- B. Roaming occurs when the phone has seen at least four APs.
- C. Full reauthentication introduces gaps in a voice conversation.
- D. Roaming occurs when the phone has reached -80 dBs or below.
- E. Roaming time increases when using 802.1x + Cisco Centralized Key Management.

Answer: A,C

Explanation:

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/vowlan/41dg/vowlan41dgbook/vowlan_ch5.html

NEW QUESTION # 200

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