

Quiz 2025 CWISA-103: Certified Wireless IoT Solutions Administrator(2025 Edition)–Professional Exam Simulations



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CWNP CWISA-103 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Radio Frequency Communications: This section of the exam measures the skills of RF Engineers and focuses on the fundamental principles of radio frequency communications. It involves explaining RF wave characteristics such as frequency, wavelength, and amplitude, and understanding behaviors like amplification, attenuation, and free space path loss. The domain covers describing modulation techniques including ASK, FSK, PSK, and QAM, and explaining the capabilities of RF components like radios, antennas, and cabling. It also includes describing the use and capabilities of different RF bands in terms of communication ranges and power levels.
Topic 2	<ul style="list-style-type: none">• Supporting Wireless Solutions: This section of the exam measures the skills of Wireless Support Engineers and focuses on the ongoing administration and support of wireless solutions across various vertical markets. It involves administering solutions in healthcare, industrial, smart cities, retail, and other environments while troubleshooting common problems including interference, configuration issues, and hardware malfunctions. The domain includes determining the best use of scripting and programming solutions for IoT implementations, understanding data structures and APIs, and comprehending networking and security protocols. It also covers understanding application architectures and their impact on wireless solutions, including single-tier and multi-tier architectures, database systems, and application servers.

Topic 3	<ul style="list-style-type: none"> • Implementing Wireless Solutions: This section of the exam measures the skills of Wireless Implementation Specialists and covers the practical implementation of wireless IoT solutions. It involves understanding key issues related to automation, integration, monitoring, and management, and using best practices in implementation, including pilot testing, configuration, installation, and documentation. The domain includes validating implementations through testing and troubleshooting, performing installation procedures including equipment mounting and connectivity configuration, and implementing security solutions covering authentication, authorization, and encryption. It also encompasses knowledge transfer practice, including staff training and solution documentation.
Topic 4	<ul style="list-style-type: none"> • Wireless Technologies: This section of the exam measures the skills of Wireless Architects and covers foundational knowledge of wireless IoT technologies and their applications. It includes maintaining awareness of emerging technologies through research, understanding common applications and their associated frequencies and protocols, and familiarity with key standards organizations like IEEE, IETF, and Wi-Fi Alliance. The domain also encompasses defining various wireless network types including WLAN, WPAN, and IoT implementations across industries, along with understanding the hardware and software components of IoT devices and gateways, covering processors, memory, radios, sensors, and operating systems.
Topic 5	<ul style="list-style-type: none"> • Planning Wireless Solutions: This section of the exam measures the skills of IoT Solutions Architects and encompasses the planning phase of wireless IoT solutions. It involves identifying system requirements, including use cases, capacity needs, security requirements, and integration needs, while considering constraints such as budgetary, technical, and regulatory limitations. The domain includes selecting appropriate wireless solutions based on requirements, planning for technical needs, including LAN • WAN networking and frequency coordination, and understanding the capabilities of common wireless IoT solutions like Bluetooth, Zigbee, and LoRaWAN, along with location services and methods.

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CWISA-103 Latest Demo & Detailed CWISA-103 Answers

A steadily rising competition has been noted in the tech field. Countless candidates around the globe aspire to be Certified Wireless IoT Solutions Administrator(2025 Edition) in this field. CWNP CWISA-103 stand out from the rest of the CWNP professionals. Once you become CWNP certified, a whole new scope opens up to you and you are immediately hired by reputed firms. Even though the Certified Wireless IoT Solutions Administrator(2025 Edition) boosts your career options, you have to pass the CWISA-103 Exam. This Certified Wireless IoT Solutions Administrator(2025 Edition) exam serves to filter out the capable from incapable candidates.

CWNP Certified Wireless IoT Solutions Administrator(2025 Edition) Sample Questions (Q25-Q30):

NEW QUESTION # 25

You have been asked to locate an intermittent RF interference source. What tool will assist best in locating the generating device?

- A. WinPCAP
- B. Protocol analyzer
- C. NMAP
- **D. Spectrum analyzer**

Answer: D

Explanation:

* Visualizing RF Interference: Spectrum analyzers display radio frequencies across a range, showing signal strength and potential interference sources. This is crucial for identifying non-Wi-Fi devices that might be disrupting your wireless solution.

* Other Tools Have Limitations:

* NMAP: Network mapper, focused on discovering devices, not RF analysis

* WinPCAP: Packet capture software, helpful but doesn't directly display the RF spectrum

* Protocol Analyzer: Analyzes network traffic, but won't pinpoint physical layer interference.

References:

Spectrum Analyzers: How they work and common use cases in RF troubleshooting.

Wireless Interference Types: Resources that discuss non-Wi-Fi interference sources (microwaves, cordless phones, etc.)

NEW QUESTION # 26

Key performance indicators and business requirements are most relevant to what operational activity for an existing wireless IoT solution?

- **A. Monitoring**
- B. Upgrading
- C. Removal
- D. Implementation

Answer: A

Explanation:

* KPI alignment: Key Performance Indicators (KPIs) define success metrics for the wireless IoT solution (e.g., uptime, device responsiveness, data accuracy). Continuous monitoring tracks performance against these KPIs.

* Meeting Business Needs: Monitoring ensures the solution delivers the intended value. Are response times fast enough? Are business processes supported effectively?

* Proactive maintenance: Monitoring can reveal performance issues before they become critical failures, allowing for proactive fixes.

* Optimization: Monitoring data over time helps identify areas for fine-tuning the solution to further align with business requirements.

References

* Wireless IoT monitoring tools: Vendor documentation or articles on specific tools and the KPIs they can track.

* ITIL (Information Technology Infrastructure Library): Frameworks emphasizing monitoring and continuous improvement.

NEW QUESTION # 27

You are planning a wireless solution. Why should you consider an ongoing monitoring system for use after the solution is deployed?

- A. Implementation validation is never completed, it continues throughout the life of the system
- B. To ensure that the system continues to meet the original requirements, even if users later indicate poor performance
- C. Monitoring the solution provides additional billable hours
- **D. The number of users and the use of the solution will change over time and monitoring allows for detection of these changes**

Answer: D

Explanation:

* Ongoing Monitoring for Adaptability: Wireless networks are dynamic environments. Ongoing monitoring is essential because:

* Changing Usage Patterns: User numbers and how they utilize the network evolve over time.

* Capacity Adjustments: Monitoring reveals if the network needs scaling for more devices or changing use cases.

* Security: Helps detect unauthorized access or anomalies.

References

* Importance of Wireless Network Monitoring: Resources will detail its role in proactive management

NEW QUESTION # 28

What provides the security (encryption) in an HTTPS connection?

- **A. SSL/TLS**
- B. SNMPv3
- C. IPSec
- D. SSH

Answer: A

Explanation:

* SSL/TLS Secures Web Traffic: HTTPS builds upon HTTP, adding the encryption provided by Secure Sockets Layer (SSL) or its successor, Transport Layer Security (TLS).

* Other Protocols Have Different Purposes:

- * IPSec: Secures IP traffic at a network level, can be used alongside TLS.
- * SNMPv3: Management protocol, offers security features, but not the primary mechanism in HTTPS.
- * SSH: Secure remote shell, unrelated to web data encryption.

References:

TLS (and SSL): Explanations of their role in HTTPS and how they provide encryption for web communication.

HTTPS Overview: Materials showing how TLS fits into the overall HTTPS architecture.

NEW QUESTION # 29

What kind of PoE device can be used to power a non-PoE connected object assuming PoE power is provided on the Ethernet cable?

- A. PoE endspan switch
- **B. PoE splitter**
- C. PoE midspan injector
- D. PoE coupler

Answer: B

Explanation:

* PoE Splitter: A PoE splitter separates power and data from a PoE-enabled Ethernet cable, allowing the powering of non-PoE devices.

* Other PoE Devices:

* PoE Injector: Adds power to non-PoE Ethernet cable.

* PoE Switch: Provides power directly through its ports.

NEW QUESTION # 30

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