



RUCKUS RCWA Reliable Real Exam | New RCWA Exam Answers

RCWA Exam Study Guide



RCWA

RUCKUS Certified Wi-Fi Associate Exam



HIGHLIGHTS

How to Register
Register online at the [RUCKUS Certifications Store](#)

Passing Score
67% or better

Number of Questions
52

Exam Duration
2 Hours

Proctoring
This exam is **remote proctored**.
See the **What to Expect** document for details.

Validity Period
The RCWA Certification is valid for a period of three (3) years

Retake Policy
Once passed, you may not retake the exam except to recertify.
If failed, you may retake the exam immediately, however, after a second attempt you must wait 14 days. After a third or fourth attempt, you must wait 30 days. No more than 5 retakes are allowed within one year from your first attempt.

Exam Description

As a RUCKUS Certified Wi-Fi Associate (RCWA), you must be able to design, deploy and manage RUCKUS Wi-Fi solutions in a variety of production environments. This exam assesses your ability to design, configure, administer, troubleshoot and optimize RUCKUS Wi-Fi solutions.

The price for sitting the exam is \$150 USD.

Ideal Candidate

Before attempting the exam, you should have these critical competencies and experience:

- Basic RF fundamentals and methodologies
- Basic Routing and Switching
- Basic understanding of the IEEE 802.11 standards
- Purpose and methodologies of RF Site Surveys
- Data Networking Services (DHCP/DNS/NAT/Firewall/RADIUS/POE/NTP/Certificates/LDAP)
- RUCKUS Wi-Fi products and supporting software
- RUCKUS differentiating features and their functions (BeamFlex, ChannelFly)

Preparatory Courses and Study Materials


RUCKUS provides a variety of free online supporting courses listed on page 3 of this document. The Exam Blueprint starting on page 2 an overview of the topics covered in the exam. You can also use our [RCWA Nutshell Study Guide](#).

Target Audience

This certification is designed for wireless network designers, installers and administrators, Wi-Fi solutions architects and Wi-Fi support engineers tasked with design, installation, configuration, management, administration and troubleshooting of RUCKUS Wi-Fi deployments.

Self-Assessment Worksheet

To help you identify areas to focus your study activities, we offer a [self-assessment worksheet](#) that allows you to rate your confidence on the many topics covered in the exam. Below you'll find a blueprint of these topics with links into support documentation, followed by a list of supporting courseware.



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>> RUCKUS RCWA Reliable Real Exam <<

New RCWA Reliable Real Exam Pass Certify | High Pass-Rate New RCWA Exam Answers: RUCKUS Certified Wi-Fi Associate Exam

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RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • RUCKUS Technologies, products & solutions: This section of the exam measures skills of the Certified Logistics Technician and covers RUCKUS-specific technologies, such as proprietary Wi-Fi features, Bonjour Gateway, and automated cell sizing capabilities. It focuses on the proper selection and sizing of RUCKUS controllers (SmartZone, Unleashed, ROne • Cloud) and Access Points (APs) based on platform limitations. Furthermore, it includes knowledge of advanced features like clustering, geo-redundancy, initial IoT integration, and the necessary processes for product licensing and using RUCKUS support tools and documentation.
Topic 2	<ul style="list-style-type: none"> • RUCKUS Wi-Fi Solutions: This section of the exam measures skills of the Certified Logistics Technician and covers the detailed, hands-on implementation and setup of RUCKUS solutions, specifically for SmartZone and RUCKUS One platforms. It requires knowledge of initial system setup, implementing licensing, and configuring all core network elements, including clusters, redundancy, AP groups, zones, and advanced WLAN features such as dynamic VLANs and SmartMesh. The section also covers detailed AP configuration steps, best practices for deployment, and setting up security and access controls like RBAC and guest access via captive portals.
Topic 3	<ul style="list-style-type: none"> • RUCKUS Wi-Fi Solution Management: This section of the exam measures skills of the Certified Logistics Associate and covers the necessary administrative and maintenance tasks for the overall solution. This includes managing system upgrade paths, defining and controlling administrator roles using directory services and Multi-Factor Authentication (MFA), monitoring network events and alarms, and performing critical functions like backup and restoration on the SmartZone controller. It also addresses generating reports, setting health thresholds, and identifying and locating rogue access points on a map.
Topic 4	<ul style="list-style-type: none"> • Wi-Fi Solution Enhancement through Tuning and Optimization: This section of the exam measures skills of the Certified Logistics Technician and focuses on advanced techniques for fine-tuning and optimizing Wi-Fi network performance after deployment. It includes balancing load and frequency bands, implementing airtime fairness and decongestion methods, and using advanced 802.11 roaming amendments (k, r, v) to improve client mobility. The section also covers optimizing radio settings, such as Client Admission Control (CAC), and managing channel selection and power optimization, including the use of DFS and RUCKUS AI features.
Topic 5	<ul style="list-style-type: none"> • Foundational Wi-Fi technologies, standards & concepts: This section of the exam measures skills of the Certified Logistics Associate and covers the foundational principles of Wi-Fi, including radio frequency (RF) concepts, global 802.11 standards, and frequency channelization up to the latest standards (a <ul style="list-style-type: none"> • b • g • n • ac • ax • BE). It assesses knowledge of antenna characteristics, the difference between Mesh and point-to-point connections, and the basics of authentication methods, including certificate usage and the high-level steps of client roaming across access points.
Topic 6	<ul style="list-style-type: none"> • Designing & Planning a RUCKUS Wi-Fi Solution: This section of the exam measures skills of the Certified Logistics Technician and focuses heavily on the detailed process of planning a RUCKUS Wi-Fi network, including gathering design requirements using site survey tools like Ekahau. It assesses the ability to define strategies for traffic management, load balancing, and network segmentation using technologies like VXLAN. This area also covers selecting the right products for specific use cases, and designing comprehensive security policies that involve RADIUS, PKI, and Role-Based Access Control (RBAC), alongside detailed AP management planning like discovery methods and PoE budgeting.

RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q60-Q65):

NEW QUESTION # 60

Which two statements are true regarding roaming on RUCKUS WLANs? (Choose two.)

- A. Roaming can be enhanced by building 802.11k neighbor AP lists.
- B. 802.11ac Aggregate MMPDUs decrease roam times.
- C. Use of 802.11r Fast-Transition depends on the Encryption option.
- D. 802.11u Hotspot integration increases roaming speed.
- E. 802.11w PMF enables additional probe responses for faster roaming.

Answer: A,C

Explanation:

Seamless roaming on RUCKUS WLANs is achieved through support for 802.11k, 802.11r, and 802.11v enhancements, which collectively improve handoff efficiency and reduce latency when clients move between APs.

According to RUCKUS One Online Help - Fast Roaming Configuration and RUCKUS AI Documentation - Client Mobility Optimization, the following statements are true:

802.11k (C): Enables APs to provide Neighbor Reports listing surrounding APs and their channels, allowing clients to make faster and more intelligent roaming decisions.

802.11r (D): Implements Fast BSS Transition (FT), reducing authentication delay during roaming by pre-establishing encryption keys. However, its operation depends on the encryption type-it is supported only with WPA2-Enterprise (802.1X) and WPA2/WPA3-Personal modes, not open WLANs.

The other options are incorrect: 802.11ac aggregation does not affect roaming; 802.11u supports Hotspot 2.0, not fast transition; and 802.11w (PMF) adds management frame protection, not roaming enhancements.

Thus, the correct answers are C (802.11k neighbor lists) and D (802.11r depends on encryption type).

Reference:

RUCKUS One Online Help - 802.11k/v/r Roaming Enhancements

RUCKUS Analytics 3.5 User Guide - Client Roaming and Transition Events

RUCKUS AI Documentation - Fast Roaming Optimization and Encryption Dependencies

NEW QUESTION # 61

Which SmartZone feature allows an administrator to schedule periodic configuration backups automatically?

- A. System Snapshot Scheduler
- B. Cluster Maintenance Policy
- C. Configuration Archive
- D. Backup Management

Answer: D

Explanation:

The Backup Management feature in SmartZone enables administrators to schedule automatic configuration backups at regular intervals. These backups can include cluster, zone, and AP configuration data.

As detailed in RUCKUS One Online Help - Backup and Restore Procedures, this feature supports manual and scheduled backups with options for secure off-box storage.

The RUCKUS Analytics 3.5 User Guide - Backup Compliance Monitoring notes that this ensures disaster recovery readiness and simplifies configuration rollback.

System Snapshot and Cluster Maintenance features track versioning and updates but are not used for configuration backup automation.

Reference:

RUCKUS One Online Help - Backup Management and Scheduling Options

RUCKUS Analytics 3.5 User Guide - Configuration and Backup Audit Reports RUCKUS AI Documentation - Backup Automation and Data Retention

NEW QUESTION # 62

Which RUCKUS technology helps optimize channel use by measuring actual throughput performance rather than noise levels alone?

- A. SmartCast
- B. BeamFlex+
- C. ChannelFly
- D. PD-MRC

Answer: C

Explanation:

ChannelFly is RUCKUS's machine learning-based dynamic channel selection technology. It evaluates real-time throughput on each channel rather than relying only on noise or interference metrics to determine the best operating channel.

As outlined in RUCKUS One Online Help - ChannelFly Operation and RUCKUS AI Documentation - Channel Optimization, ChannelFly continuously monitors channel conditions and switches to those offering higher capacity.

This ensures maximum real-world performance, especially in dense environments with unpredictable interference.

BeamFlex+ adjusts antenna patterns, SmartCast prioritizes traffic, and PD-MRC enhances signal reception but do not handle channel learning or selection.

Reference:

RUCKUS One Online Help - ChannelFly Dynamic Channel Selection

RUCKUS Analytics 3.5 User Guide - Channel Efficiency and Throughput Analysis RUCKUS AI Documentation - Adaptive Channel Learning Algorithms

NEW QUESTION # 63

Which three factors impact indoor WLAN coverage areas? (Choose three.)

- A. Earth bulge
- B. Spatial multiplexing
- C. AP orientation
- D. Antenna diversity
- E. Antenna pattern
- F. AP Tx power

Answer: C,E,F

Explanation:

Indoor WLAN coverage is influenced by multiple RF and physical parameters that determine how effectively a signal propagates and maintains connectivity quality.

According to RUCKUS One Online Help - RF Design Fundamentals and RUCKUS AI Documentation - Coverage Optimization, the three most impactful factors are:

AP Transmit Power (A): Directly affects signal reach; excessive power can cause co-channel interference, while low power results in coverage holes.

AP Orientation (C): Affects signal radiation direction-wall-mounted, ceiling-mounted, or tilted deployments impact pattern uniformity and coverage overlap.

Antenna Pattern (D): Defines gain and directional behavior; omnidirectional antennas provide uniform coverage, while directional models concentrate energy for targeted areas.

Antenna diversity and spatial multiplexing improve throughput and reliability, but do not primarily determine raw coverage boundaries. "Earth bulge" is irrelevant for indoor deployments.

Reference:

RUCKUS One Online Help - Indoor RF Design and Coverage Planning

RUCKUS Analytics 3.5 User Guide - RF Performance and Propagation Reports RUCKUS AI Documentation - Antenna Pattern and Coverage Optimization

NEW QUESTION # 64

Which statement accurately describes the relationship between SNR and data rate in Wi-Fi networks?

- A. Higher SNR supports higher modulation rates.
- B. SNR only affects transmit power, not throughput.
- C. Lower SNR allows higher modulation rates.
- D. SNR has no effect when using OFDMA.

Answer: A

Explanation:

Signal-to-Noise Ratio (SNR) directly influences the modulation and coding scheme (MCS) that can be used between a Wi-Fi client and AP. A higher SNR allows the AP to select higher-order modulations (e.g., 256-QAM or 1024-QAM), which increases throughput efficiency.

According to RUCKUS One Online Help - RF Signal and SNR Concepts, an SNR of around 25 dB or greater is typically required for high-rate modulation such as MCS 9 or above.

RUCKUS Analytics 3.5 User Guide - PHY Metrics confirms that RUCKUS APs continuously adapt MCS levels based on SNR, optimizing link performance dynamically.

Lower SNR conditions force modulation downshifts (e.g., QPSK or BPSK), reducing data rates for reliability.

Reference:

RUCKUS One Online Help - Understanding SNR and Data Rate Behavior

RUCKUS Analytics 3.5 User Guide - PHY Rate and Modulation Analysis

RUCKUS AI Documentation - Dynamic Rate Adaptation Based on SNR

NEW QUESTION # 65

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