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RCWA Exam Study Guide



RCWA

RUCKUS Certified Wi-Fi Associate Exam



Price: \$150 USD

RUCKUS Certification Score

Passing Score: 65%

Questions: 60

Exam Duration: 2 Hours

Study time: 20-60 hours

Language: English only

Validity Period

RCN Certification is valid for a period of three (3) years.

Retake Policy

Five (5) retakes allowed within one year.

Retakes are restricted as follows:
1st: one (1) immediate retake
2nd: 1-4 days after first retake
3rd-5th: 30-days between each retake

Each attempt is subject to exam fee.

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.

Ideal Candidate

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

- Foundational Wi-Fi technologies, standards, and concepts
- RUCKUS technologies, products, and solutions
- Designing and planning RUCKUS Wi-Fi solutions
- Wi-Fi solution installation, configuration, and setup
- Wi-Fi solution enhancement through tuning and optimization
- Wi-Fi solution troubleshooting and repair
- RUCKUS Wi-Fi solution management

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 the RCWA Nishell Study Guide (see Other Online Resources below).

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.

BEFORE SCHEDULING YOUR EXAM

Prepare and test your system by following the instructions in What to Expect and this video.

QUESTIONS?

Contact: rcwa@ruckus.com

P.S. Free & New RCWA dumps are available on Google Drive shared by BootcampPDF: https://drive.google.com/open?id=1HZZF49S01K_QMblGgF08ymI0oMppPYP4

RUCKUS RCWA practice braindumps will be worthy of purchase, and you will get manifest improvement. So you have a comfortable experience with our RCWA study guide this time. By using our RCWA Preparation materials, we are sure you will pass your exam smoothly and get your dreamed certification.

RUCKUS RCWA Exam Syllabus Topics:

Topic	Details

Topic 1	<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 • 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 2	<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 3	<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 4	<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 5	<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.
Topic 6	<ul style="list-style-type: none"> • Wi-Fi Solution Troubleshooting & Repair: This section of the exam measures skills of the Certified Logistics Associate and covers the essential processes for data gathering, analysis, and troubleshooting common issues, such as client connectivity failures and problems with AP-to-controller communication. It requires using diagnostic tools, including built-in speed tests and packet • frame capture, as well as understanding how to use logs and integrate with communication protocols like AAA, Syslog, and SNMP for effective diagnosis and repair.

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RCWA PDF Dumps - The most beneficial Option For Certification Preparation

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RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q15-Q20):

NEW QUESTION # 15

Which RUCKUS feature dynamically learns client data rates and channel conditions to recommend better-performing channels for each AP?

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

Answer: A

Explanation:

ChannelFly is RUCKUS's patented machine-learning-based dynamic channel selection algorithm. Unlike static or simple noise-based channel assignments, ChannelFly continuously measures actual throughput and learns the performance potential of each available channel.

According to the RUCKUS One Online Help - ChannelFly Overview and RUCKUS AI documentation, ChannelFly uses real-time capacity analysis instead of noise floor alone to choose channels that yield the highest throughput under current interference and load conditions.

BeamFlex+ manages antenna patterns, SmartCast handles QoS and traffic shaping, and PD-MRC enhances reception diversity—none perform dynamic channel learning.

Reference:

RUCKUS One Online Help - ChannelFly Dynamic Channel Management

RUCKUS Analytics 3.5 User Guide - RF Performance and Channel Optimization Metrics RUCKUS AI Documentation - Machine Learning in Channel Optimization

NEW QUESTION # 16

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

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

Answer: A

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 # 17

A user reports intermittent connectivity on a 5 GHz SSID. Which RUCKUS diagnostic metric should be checked first to identify RF interference?

- **A. Noise floor level**

- B. Retransmission count
- C. RSSI
- D. Client retry percentage

Answer: A

Explanation:

The Noise Floor Level represents the background RF interference in dBm, which directly affects the Signal-to-Noise Ratio (SNR) and overall connection stability.

As stated in RUCKUS One Online Help - RF Diagnostics, an elevated noise floor (e.g., higher than -85 dBm) can indicate interference from devices such as wireless cameras or radar systems.

RUCKUS Analytics 3.5 User Guide - RF Metrics Dashboard highlights that tracking the noise floor is essential for differentiating between weak coverage and interference-based issues.

Retransmissions and retries are symptoms, while the noise floor identifies the root cause.

References:

RUCKUS One Online Help - RF Troubleshooting and Noise Floor Metrics

RUCKUS Analytics 3.5 User Guide - Signal Quality and SNR Analysis

RUCKUS AI Documentation - Interference Detection and Noise Floor Insights

NEW QUESTION # 18

Which two are true of a SmartZone cluster backup? (Choose two.)

- A. It contains IP addressing and client statistical information.
- B. It can be performed even if the system services are stopped.
- C. It can be restored onto a cluster of any SmartZone model.
- D. It is much smaller than a configuration backup.
- E. It puts the controller into maintenance mode when executed.

Answer: A,E

Explanation:

A SmartZone cluster backup is a comprehensive backup of the controller cluster's system and configuration data, intended for disaster recovery or migration to similar SmartZone platforms. According to the RUCKUS One Online Help - Cluster Backup and Restore and SmartZone Administration Guide (v5.2+), a cluster backup includes:

Cluster and controller configuration, including IP addressing, zones, AP groups, WLANs, and policies.

Client statistical data and historical analytics, which are also captured for restoration of system monitoring data.

When a cluster backup is initiated, the controller enters maintenance mode to ensure database consistency and prevent configuration changes during the process. This temporarily suspends management operations but preserves data integrity.

Cluster backups cannot be restored to different SmartZone models (e.g., vSZ to SZ-100) due to hardware and licensing differences.

Backups also require system services to be active during execution.

Therefore, the correct answers are B (contains IP addressing and client statistical information) and D (puts the controller into maintenance mode when executed).

Reference:

RUCKUS One Online Help - SmartZone Cluster Backup and Restore Procedures RUCKUS Analytics 3.5 User Guide -

Controller and Cluster Data Retention Overview RUCKUS AI Documentation - SmartZone Backup and Recovery Process

NEW QUESTION # 19

Which three Application Policy Rules can be applied to a WLAN? (Choose three.)

- A. Local Breakout
- B. Rate Limit
- C. URL Filter
- D. Deny
- E. VLAN Assignment
- F. QoS

Answer: B,D,F

Explanation:

An Application Policy in SmartZone defines actions applied to identified applications or categories of traffic traversing a WLAN. Using Deep Packet Inspection (DPI), RUCKUS APs recognize application types and enforce predefined behaviors. According to RUCKUS One Online Help - Application Policy Configuration, the supported rule actions include:

- (A) QoS: Assigns priority levels to traffic (Voice, Video, Best Effort, Background) for latency and throughput management.
- (B) Deny: Blocks specific applications or categories (e.g., streaming or gaming) to preserve network performance.
- (D) Rate Limit: Restricts bandwidth available to defined applications, ensuring fair use of airtime and bandwidth resources.

Local Breakout and VLAN Assignment are functions of traffic forwarding and device policy, not application policy. URL filtering is managed under separate content control modules, not part of Application Policies.

Reference:

RUCKUS One Online Help - Application Policy and DPI-Based Traffic Rules RUCKUS Analytics 3.5 User Guide - Application Visibility and Enforcement Metrics RUCKUS AI Documentation - Application Prioritization and Rate Control Logic

NEW QUESTION # 20

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While the RUCKUS RCWA practice questions in PDF format are helpful for learning all the relevant answers to clear the RCWA exam, we offer an additional tool to enhance your confidence and skills. Our online RUCKUS Practice Test engine allows you to learn and practice for the RUCKUS Certified Wi-Fi Associate Exam (RCWA) exam simultaneously. This feature is designed to strengthen your knowledge and ensure you are fully prepared for success.

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