

Valid RCWA Exam Syllabus | RCWA New Study Questions

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: 7-14 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

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RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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.
Topic 3	<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 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"> • 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.

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RUCKUS RCWA New Study Questions - RCWA Valid Study Plan

Why our RCWA exam questions are the most popular in this field? On the one hand, according to the statistics from the feedback of all of our customers, the pass rate among our customers who prepared for the RCWA exam with the help of our RCWA guide torrent has reached as high as 98% to 100%. On the other hand, the simulation test is available in our software version of our RCWA Exam Questions, which is useful for you to get accustomed to the RCWA exam atmosphere. Please believe us that our RCWA torrent question is the best choice for you.

RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q54-Q59):

NEW QUESTION # 54

Which type of interference occurs when two APs are configured on channel 7 and channel 8 in the same physical space?

- A. Multipath
- B. Diffraction
- C. Adjacent
- D. Co-channel

Answer: C

Explanation:

When two access points operate on overlapping channels in the same frequency band-such as channel 7 and channel 8 in the 2.4 GHz range-they create Adjacent Channel Interference (ACI). Unlike co-channel interference (CCI), which occurs when APs share the exact same channel, ACI results from partial channel overlap that causes energy spillover between adjacent frequencies.

According to RUCKUS One Online Help - Radio Configuration and Channel Planning, adjacent channels in 2.4 GHz are only 5 MHz apart, while each Wi-Fi channel occupies 20-22 MHz of bandwidth. As a result, channels like 7 and 8 significantly overlap, creating degraded performance, retransmissions, and reduced throughput.

RUCKUS's ChannelFly technology in both RUCKUS AI and RUCKUS Analytics helps automatically select non-overlapping channels (such as 1, 6, and 11) to minimize ACI and optimize network capacity.

Therefore, the correct answer is A - Adjacent interference, which directly applies to overlapping channel configurations.

Reference:

RUCKUS One Online Help - Radio Channel Planning and ChannelFly Operation RUCKUS Analytics 3.5 User Guide - RF

Interference Detection and Channel Utilization RUCKUS AI Documentation - Channel Optimization and Interference Management

NEW QUESTION # 55

Which two actions can be applied using an Application Policy? (Choose two.)

- A. Rate limiting
- B. Assign VLAN
- C. Packet capture
- D. URL filtering
- E. Quality of Service

Answer: A,E

Explanation:

A RUCKUS Application Policy allows administrators to control network performance and user experience by classifying, prioritizing, and managing traffic based on the type of application detected on the network.

According to RUCKUS One Online Help - Application Control and Policy Management, and RUCKUS AI documentation, Application Policies can:

Apply rate limiting (A): Control the bandwidth allocated to specific applications or application groups (e.g., limit video streaming or social media traffic).

Apply Quality of Service (E): Mark or prioritize application traffic using DSCP or internal QoS levels to ensure latency-sensitive applications such as voice or conferencing receive higher priority.

RUCKUS leverages Deep Packet Inspection (DPI) for identifying over 2,500+ applications, enabling precise enforcement per SSID or per user.

Other options-URL filtering, VLAN assignment, and packet capture-are handled through separate mechanisms (Web filtering, Device Policy, and diagnostic tools, respectively), not via Application Policies.

Therefore, the correct answers are A (Rate limiting) and E (Quality of Service).

Reference:

RUCKUS One Online Help - Application Policy and Traffic Prioritization

RUCKUS Analytics 3.5 User Guide - Application Usage and Policy Enforcement Metrics RUCKUS AI Documentation - Application Recognition and Policy Control

NEW QUESTION # 56

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

- A. Retransmission count
- B. RSSI
- C. Noise floor level
- D. Client retry percentage

Answer: C

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.

Reference:

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 # 57

Which two statements about Auto Cell Sizing (ACS) are true? (Choose two.)

- A. It can automatically adjust radio power.
- B. It requires background scanning to be enabled.
- C. It can automatically adjust channel selection.
- D. It is enabled by default.
- E. Tx power can be manually adjusted when using Auto Cell Sizing.

Answer: A,B

Explanation:

Auto Cell Sizing (ACS) is a RUCKUS feature designed to automatically optimize the RF environment by dynamically adjusting transmit power levels of access points to ensure balanced coverage and minimal interference between APs. According to the RUCKUS One Online Help - RF Management and Auto Cell Sizing and RUCKUS AI documentation - RF Optimization Tools, ACS:

* Automatically adjusts radio transmit power (B) based on environmental conditions and neighboring AP coverage.

* Requires background scanning to be enabled (D) so the system can measure the surrounding RF conditions and interference patterns.

ACS does not automatically adjust channel selection, as that functionality is handled by ChannelFly, a separate RUCKUS technology. It is not enabled by default, and manual power tuning is typically disabled when ACS is active, since the controller manages power dynamically to maintain optimal cell overlap.

Thus, the correct answers are B (it can automatically adjust radio power) and D (it requires background scanning to be enabled).

References:

RUCKUS One Online Help - RF Optimization: Auto Cell Sizing and ChannelFly RUCKUS Analytics 3.5 User Guide - RF Health and Adaptive Power Management RUCKUS AI Documentation - Adaptive RF Optimization and Power Adjustment Mechanisms

NEW QUESTION # 58

A network administrator has saved a backup file using the default file name "RUCKUS-Unleashed_db_082719_11_07.bak". Which three actions can be taken with this backup file? (Choose three.)

- A. Restore only WLAN settings.
- B. Restore all configuration except system name and IP address.
- C. Restore configuration of an ICX switch managed by Unleashed.
- D. Display the startup-config as cleartext.
- E. Restore all configuration.
- F. Restore SmartZone controller system settings.

Answer: A,B,E

Explanation:

An Unleashed backup file (e.g., RUCKUS-Unleashed_db_082719_11_07.bak) contains a comprehensive snapshot of the Unleashed network configuration, including SSIDs, WLAN policies, AP settings, and network parameters. According to the RUCKUS One Online Help - Backup and Restore section, administrators can use this file to:

Restore all configuration settings (A), re-establishing the network's operational state.

Restore only WLAN settings (B), providing flexibility when preserving SSID configurations while leaving system details unchanged.

Restore all configuration except the system name and IP address (E), allowing recovery to a new system without IP conflicts.

The backup file cannot display the configuration as cleartext, as it is encrypted for security. It also cannot restore SmartZone controller configurations or ICX switch settings directly—those require separate management mechanisms.

Thus, the valid operations are A, B, and E.

Reference:

RUCKUS One Online Help - Unleashed Backup and Restore Procedures

RUCKUS Analytics 3.5 User Guide - Configuration Snapshot and Restore Logs RUCKUS AI Documentation - Unleashed Configuration Management

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