

Reliable RUCKUS RCWA Exam Review | RCWA Valid Test Tips

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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CommScope RUCKUS

We always aim at improving our users' experiences. You can download the PDF version demo before you buy our RCWA test guide, and briefly have a look at the content and understand the RCWA exam meanwhile. After you know about our RCWA actual questions, you can decide to buy it or not. The process is quite simple, all you need to do is visit our website and download the free demo. That would save lots of your time, and you'll be more likely to satisfy with our RCWA Test Guide.

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RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q21-Q26):

NEW QUESTION # 21

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.

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 # 22

Which RUCKUS feature enables access points to dynamically form wireless backhaul links when Ethernet is unavailable?

- **A. SmartMesh**
- B. ChannelFly
- C. SmartCast
- D. BeamFlex+

Answer: A

Explanation:

SmartMesh is RUCKUS's adaptive wireless backhaul technology that allows access points to interconnect without relying on Ethernet cabling. When Ethernet uplinks are not available, a designated Root AP provides upstream connectivity while Mesh APs connect wirelessly to extend coverage.

According to RUCKUS One Online Help - SmartMesh Networking and RUCKUS AI Documentation - Mesh Optimization, SmartMesh automatically selects optimal paths based on link quality, latency, and throughput. The feature supports self-healing and automatic rerouting if a mesh link fails.

Unlike SmartCast (QoS management), ChannelFly (dynamic channel selection), or BeamFlex+ (antenna pattern optimization), SmartMesh is dedicated to resilient wireless backhaul formation.

Reference:

RUCKUS One Online Help - Mesh Configuration and Deployment

RUCKUS Analytics 3.5 User Guide - Mesh Topology and Link Quality Monitoring RUCKUS AI Documentation - SmartMesh and Adaptive Backhaul Optimization

NEW QUESTION # 23

Which 802.11 PHY layer feature allows Wi-Fi 6 (802.11ax) to efficiently serve multiple clients simultaneously on both uplink and downlink?

- **A. OFDMA**
- B. RTS/CTS
- C. MU-MIMO
- D. QAM256

Answer: A

Explanation:

OFDMA (Orthogonal Frequency Division Multiple Access) is one of the core features introduced in IEEE 802.11ax (Wi-Fi 6). It divides a channel into smaller subcarriers called Resource Units (RUs), allowing an AP to communicate with multiple clients simultaneously, both on uplink and downlink.

According to the RUCKUS One Online Help - Wi-Fi 6 Features Overview, OFDMA improves spectrum efficiency, reduces latency, and increases throughput in high-density environments. RUCKUS APs such as the R750 and R850 use OFDMA in coordination with RUCKUS AI's client traffic analysis to allocate resources dynamically.

In contrast, MU-MIMO also supports multi-user communication but only in one direction (downlink for 802.11ac Wave 2, both for 11ax). QAM256 enhances modulation efficiency but doesn't enable concurrent multi-client service.

Reference:

RUCKUS One Online Help - Wi-Fi 6 and OFDMA Operations

RUCKUS Analytics 3.5 User Guide - PHY Layer Metrics and Multi-user Efficiency RUCKUS AI Documentation - Resource Unit Allocation and Client Scheduling

NEW QUESTION # 24

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

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

Answer: A,C

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 # 25

When configuring a WLAN for 802.1X, which mode will provide authentication service for APs in the event of a controller failure?

- A. Non-proxy
- B. Proxy
- C. Dynamic PSK
- **D. Local user database**

Answer: D

Explanation:

When configuring an 802.1X-secured WLAN, RUCKUS systems such as SmartZone, RUCKUS One, or RUCKUS Cloud typically rely on an external RADIUS server for user authentication. However, in the event of a controller failure or connectivity loss to the RADIUS server, RUCKUS APs can continue to authenticate users locally if the local user database is enabled and configured.

The Local Authentication Database allows APs or controllers to store a limited set of credentials that can be used when external AAA services are unavailable. This ensures continued access and redundancy for critical WLANs without requiring external dependency.

According to RUCKUS One Online Help - WLAN Configuration and AAA Settings, enabling the Local Authentication Database provides fallback authentication for 802.1X clients during system or connectivity failures. In contrast, the proxy and non-proxy modes define how authentication requests are relayed to the RADIUS server, while Dynamic PSK (DPSK) is a separate authentication method that replaces 802.1X with per-user keys.

References:
 RUCKUS One Online Help - WLAN Configuration: AAA Authentication and Fallback Options
 RUCKUS Analytics 3.5 User Guide - Client Authentication and WLAN Events
 Ruckus Cloud / RUCKUS AI Documentation - Authentication Mode Descriptions

NEW QUESTION # 26

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