

Valid RCWA Exam Topics, RCWA Question Explanations



RCWA

RUCKUS Certified Wi-Fi Associate Exam



HIGHLIGHTS

How to Register

Register online at the [RUCKUS Certification 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/HTTP) Certificates/1x/802.11
- 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 is 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 solution 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 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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 4	<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 <ul style="list-style-type: none"> • 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.

>> Valid RCWA Exam Topics <<

RCWA Question Explanations | Latest RCWA Dumps Book

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RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q32-Q37):

NEW QUESTION # 32

By which process does 802.11k assist in client roaming?

- A. Ignoring join requests for weak clients
- B. Caching encryption information
- **C. Providing a list of available neighbor APs**
- D. Forcing clients to disconnect from their associated AP

Answer: C

Explanation:

The IEEE 802.11k amendment enhances Wi-Fi client roaming by allowing an AP to share information about nearby access points with connected clients. This process, known as the Neighbor Report, provides a list of available APs that the client can use to make faster, more informed roaming decisions.

When a client device receives this neighbor list, it can scan fewer channels, reducing latency and improving the handoff experience—especially in enterprise networks managed by RUCKUS One, SmartZone, or RUCKUS Cloud. According to RUCKUS One Online Help and RUCKUS AI documentation, enabling 802.11k/v/r features together allows for fast and seamless roaming, as 802.11k supplies discovery data, 802.11v assists with steering decisions, and 802.11r enables fast re-authentication.

Option C is correct because 802.11k's core function is to help clients identify the best potential APs to roam to. The other options describe unrelated functions: encryption caching relates to 802.11r, ignoring weak clients is an AP policy function, and forcing disconnections occurs during load balancing or steering-not through 802.11k.

Reference:

RUCKUS One Online Help - WLAN Configuration: 802.11k/v/r Roaming Enhancements RUCKUS Analytics 3.5 User Guide - Client Mobility and Roaming Analysis RUCKUS AI Documentation - Intelligent Roaming Optimization and Neighbor Reports

NEW QUESTION # 33

Which three external proxy and non-proxy authentication services are available in SmartZone?

(Choose three.)

- A. AD
- B. TACACS+
- C. LDAP
- D. SAML
- E. OAuth
- F. RADIUS

Answer: A,C,F

Explanation:

SmartZone controllers support a range of external authentication services for both proxy (via controller) and non-proxy (direct-to-AAA) authentication mechanisms. According to the RUCKUS One Online Help - Authentication Services Configuration, the supported external services include:

- * Active Directory (AD) (A): Used for domain-based user authentication and group policy enforcement.
- * Lightweight Directory Access Protocol (LDAP) (B): Provides user authentication through directory lookup, commonly used for enterprise identity systems.
- * RADIUS (E): A widely used AAA protocol that integrates with external servers such as FreeRADIUS, Cisco ISE, or Microsoft NPS for centralized authentication and accounting.

While SAML and OAuth are used in RUCKUS Cloud and RUCKUS One for SSO (Single Sign-On) and API authentication, they are not used for WLAN or AAA authentication within SmartZone. TACACS+ is not supported as an external client authentication method in SmartZone (it is only used for admin login on some platforms).

Therefore, the correct authentication services are A (AD), B (LDAP), and E (RADIUS).

References:

RUCKUS One Online Help - WLAN Authentication and AAA Integration

RUCKUS Analytics 3.5 User Guide - Authentication Logs and Proxy Mode Analysis RUCKUS AI Documentation - SmartZone AAA and External Authentication Architecture

NEW QUESTION # 34

What is a true statement regarding MIMO in Wi-Fi networks?

- A. It needs support on the AP only.
- B. It uses a single transmitter.
- C. It was introduced in 802.11n.
- D. It is supported upstream only.

Answer: C

Explanation:

MIMO (Multiple Input, Multiple Output) is a fundamental wireless technology that enhances Wi-Fi throughput and reliability by transmitting multiple data streams simultaneously using multiple antennas on both the transmitter and receiver. It was introduced in the IEEE 802.11n standard, which marked the beginning of high-throughput (HT) Wi-Fi.

According to RUCKUS One Online Help and the RUCKUS Analytics 3.5 User Guide, MIMO enables spatial multiplexing, diversity gain, and beamforming, allowing higher data rates and improved signal quality in multipath environments. Subsequent standards (802.11ac and 802.11ax) expanded this concept to MU-MIMO (Multi-User MIMO), allowing simultaneous communication with multiple clients.

MIMO requires support on both the AP and client for full functionality; otherwise, the connection falls back to single-stream operation. It is used in both uplink and downlink directions (especially in Wi-Fi 6 and later). Thus, option B-introduced in 802.11n-is correct, while options A, C, and D are incorrect.

Reference:

RUCKUS One Online Help - PHY Technologies and MIMO Concepts

RUCKUS Analytics 3.5 User Guide - Radio Metrics and Client PHY Data

RUCKUS AI Documentation - Wi-Fi 6 (802.11ax) MIMO and MU-MIMO Capabilities

NEW QUESTION # 35

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

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

Answer: C

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 # 36

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

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

Answer: B

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.

References:

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 # 37

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Our Company is always striving to develop not only our RCWA latest practice materials, but also our service because we know they are the aces in the hole to prolong our career. Reliable service makes it easier to get oriented to the RCWA exam. The combination of RCWA Exam Guide and sweet service is a winning combination for our company, so you can totally believe that we are sincerely hope you can pass the RCWA exam, and we will always provide you help and solutions with pleasure, please contact us through email then.

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