

RCWA Reliable Practice Materials - RCWA Exam Collection

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 skilled 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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RCWA Exam Collection - Best RCWA Practice

Our RCWA real study guide materials can help you get better and better reviews. This is a very intuitive standard, but sometimes it is not enough comprehensive, therefore, we need to know the importance of getting the test RCWA certification, qualification certificate for our future job and development is an important role. Only when we have enough qualifications to prove our ability can we defeat our opponents in the harsh reality. We believe our RCWA actual question will help you pass the RCWA qualification examination and get your qualification faster and more efficiently.

RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q26-Q31):

NEW QUESTION # 26

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. QAM256
- C. MU-MIMO
- D. RTS/CTS

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 # 27

Which two 802.1X Roles are available when 802.1X is enabled on an Access Port in an Ethernet Port Profile? (Choose two.)

- A. Authentication Server
- B. Port-based Authenticator
- C. Host-based Authenticator
- D. Supplicant
- E. MAC-based Authenticator

Answer: B,D

Explanation:

When enabling 802.1X authentication on a RUCKUS Access Port via an Ethernet Port Profile (used for ICX switches or AP wired interfaces), the available roles are:

(A) Supplicant: The device (AP or switch port) acts as the client that must authenticate to the upstream authenticator (e.g., a switch or NAC system).

(C) Port-based Authenticator: The device enforces 802.1X authentication for devices connected to it (e.g., a switch controlling a connected host).

According to RUCKUS One Online Help - 802.1X and Wired Authentication Configuration and RUCKUS Analytics 3.5 User Guide - Wired Client Authentication Monitoring, these two roles define whether the port initiates or enforces authentication.

"Host-based" and "MAC-based" refer to specific authentication methods, not roles, and "Authentication Server" (e.g., RADIUS) is an external entity, not a port role.

Reference:

RUCKUS One Online Help - Ethernet Port Profiles and 802.1X Role Configuration RUCKUS Analytics 3.5 User Guide - Wired 802.1X Auth Flow Analysis RUCKUS AI Documentation - Wired Authentication Role Mapping in SmartZone

NEW QUESTION # 28

What unit is commonly used to display RSSI values?

- A. Watts
- B. dBm
- C. Ohms

- D. dBi

Answer: B

Explanation:

RSSI (Received Signal Strength Indicator) is a key measurement representing the power level of a received RF signal. It is typically displayed in dBm (decibel-milliwatts), a logarithmic unit that expresses the power relative to 1 milliwatt. In Wi-Fi systems, RSSI values usually range between -30 dBm (excellent) and -90 dBm (very weak).

According to the RUCKUS One Online Help and the RUCKUS Analytics 3.5 User Guide, signal strength metrics shown in dashboards, client views, and RF reports are represented in dBm for consistency across platforms. This allows network engineers to correlate signal levels with client connectivity performance and thresholds used for roaming or troubleshooting.

Other units such as dBi refer to antenna gain, Watts measure absolute power (not typically used in client reporting), and Ohms measure resistance. Thus, dBm is the correct and standard unit used for RSSI measurement in RUCKUS and all IEEE 802.11-based systems.

Reference:

RUCKUS One Online Help - Radio Settings and Signal Strength Indicators

RUCKUS Analytics 3.5 User Guide - Client Signal and Noise Metrics

RUCKUS AI Documentation - Understanding RSSI, SNR, and RF Metrics

NEW QUESTION # 29

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

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

Answer: A

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.

Reference:

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 # 30

What must APs support when expanding an existing VLAN pool beyond 32 VLANs in SmartZone?

- A. 802.11k and 802.11r
- B. User traffic profiles
- C. 802.11ac Wave 2 and above
- D. User role profiles

Answer: C

Explanation:

Expanding a VLAN Pool beyond 32 VLANs in SmartZone requires access points that support the 802.11ac Wave 2 standard or higher.

According to RUCKUS One Online Help - VLAN Pooling and Dynamic VLAN Assignment, older AP platforms (prior to

802.11ac Wave 2) are limited to 32 VLANs due to hardware constraints in VLAN ID indexing and memory allocation. Wave 2 and newer models (including Wi-Fi 6 and 6E APs) support expanded VLAN pools up to 64 or more entries. This capability enables more granular segmentation of large user groups, especially in high-density enterprise or education environments where dynamic VLAN assignment distributes clients evenly across multiple subnets. User role and traffic profiles handle authentication and QoS mapping, not VLAN scalability. 802.11k and 802.11r improve roaming, not VLAN allocation.

Therefore, 802.11ac Wave 2 and above hardware is required to support VLAN pools beyond 32 entries.

Reference:

RUCKUS One Online Help - SmartZone VLAN Pooling and Hardware Requirements RUCKUS Analytics 3.5 User Guide - VLAN Pooling and Client Distribution Reports RUCKUS AI Documentation - VLAN Assignment and Wave 2 Platform Capabilities

NEW QUESTION # 31

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