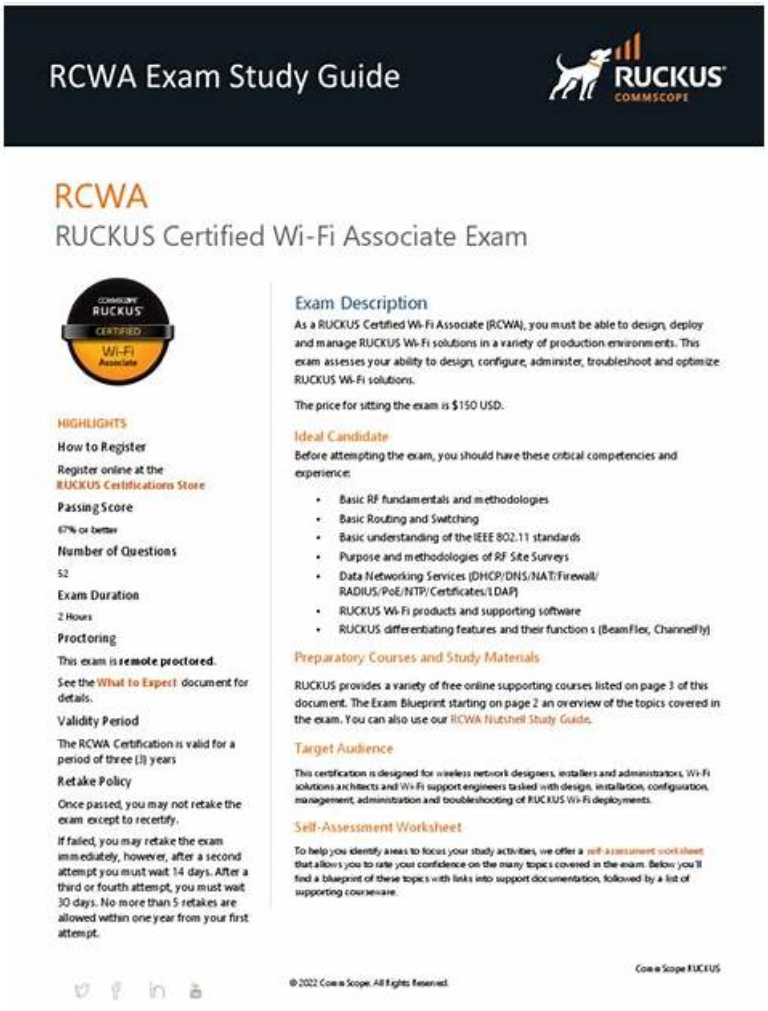
Quiz High-quality RUCKUS - RCWA - RUCKUS Certified Wi-Fi Associate Exam Certification Practice


RCWA Exam Study Guide

RUCKUS COMMSCOPE

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 function s (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.

CommScope RUCKUS

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The RUCKUS Certified Wi-Fi Associate Exam (RCWA) product can be easily accessed just after purchasing it from PassLeaderVCE. You can receive free RUCKUS Dumps updates for up to 1 year after buying material. The 24/7 support system is also available for you, which helps you every time you get stuck somewhere. Many students have studied from the PassLeaderVCE RUCKUS Certified Wi-Fi Associate Exam (RCWA) practice material and rated it positively because they have passed the RCWA certification exam on the first try.

RUCKUS RCWA Exam Syllabus Topics:

Topic	Details

Topic 1	• 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	• 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 3	• 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.

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RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q44-Q49):

NEW QUESTION # 44
When configuring a WLAN for 802.1X, which mode will provide authentication service for APs in the event of a controller failure?

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

Answer: C

Explanation:
When configuring an802.1X-secured WLAN, RUCKUS systems such asSmartZone,RUCKUS One, or RUCKUS Cloudtypically rely on anexternal RADIUS serverfor user authentication. However, in the event of acontroller failure or connectivity loss to the RADIUS server,RUCKUS APs can continue to authenticate users locally if thelocal user databaseis enabled and configured. TheLocal Authentication Databaseallows APs or controllers to store a limited set of credentials that can be used when external AAA services are unavailable. This ensurescontinued access and redundancyfor critical WLANs without requiring external dependency. According toRUCKUS One Online Help - WLAN Configuration and AAA Settings, enabling theLocal Authentication Databaseprovides fallback authentication for 802.1X clients during system or connectivity failures.

In contrast, theproxyandnon-proxymodes define how authentication requests are relayed to the RADIUS server, whileDynamic 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 # 45
Which three Ethernet Port Profile configuration options are available in SmartZone for APs? (Choose three.)

- A. 802.1X Authentication
- B. Port speed
- C. Number of clients
- D. Tunnel Profile selection
- E. LAG creation
- F. Spanning Tree mode

Answer: A,B,F

Explanation:
AnEthernet Port ProfileinSmartZonedefines wired interface behavior and port settings for access points that have multiple Ethernet ports. These profiles are used to configure connectivity, security, and redundancy on wired links between APs and the upstream network.
According to theRUCKUS One Online Help - AP Ethernet Port ProfilesandSmartZone 5.x Configuration Guide, the following parameters are supported:
* Port Speed (A):Defines link negotiation-Auto, 10/100/1000 Mbps, or fixed rate.
* Spanning Tree Mode (D):Controls loop prevention through STP configuration on AP Ethernet ports.
* 802.1X Authentication (E):Enables port-based authentication for secure wired access on AP Ethernet interfaces, commonly used in hospitality and MDU deployments.
Other listed options-LAG creation(handled via controller-side link aggregation configuration),number of clients(a WLAN-level setting), andTunnel Profile selection(handled under WLAN or Zone configuration)- are not part of the Ethernet Port Profile feature.
Thus, the correct answers areA (Port speed),D (Spanning Tree mode), andE (802.1X Authentication).
References:
RUCKUS One Online Help - AP Ethernet Port Profile Configuration
RUCKUS Analytics 3.5 User Guide - Port Configuration and Wired Interface Statistics RUCKUS AI Documentation - AP Ethernet and Wired Port Control Features

NEW QUESTION # 46
When planning a Wi-Fi network in RUCKUS Wi-Fi Planner, what is the primary purpose of defining attenuation values for wall materials?

- A. To simulate RF signal loss for coverage prediction
- B. To calculate client RSSI thresholds
- C. To determine DHCP lease distribution zones
- D. To adjust AP channel width automatically

Answer: A

Explanation:
In RUCKUS Wi-Fi Planner, defining attenuation values for wall materials enables the simulation of RF signal loss across physical barriers such as drywall, concrete, or glass.
According to RUCKUS One Online Help - Wi-Fi Planner RF Modeling, accurate wall attenuation data allows the planner to predict signal propagation and coverage maps with greater accuracy. This ensures optimal AP placement and reduces coverage overlap or dead zones.
The RUCKUS Analytics 3.5 User Guide - RF Validation Reports confirms that modeling real-world materials provides reliable pre-deployment visibility of expected SNR and throughput performance.
Other options-like RSSI thresholds or DHCP zoning-are not part of RF prediction modeling.
Reference:
RUCKUS One Online Help - RF Prediction and Attenuation Setup

RUCKUS Analytics 3.5 User Guide - Pre-deployment and Validation Reports RUCKUS AI Documentation - Predictive RF Design and Material Modeling

NEW QUESTION # 47
Review the exhibit.
Based on the AP mounting locations, which AP antenna types provide complete coverage to both the indoor and outdoor areas?

- A. The indoor space should use Semi-Directional, while the outdoor space should use a Patch antenna.
- B. The indoor space should use Omni-Directional, while the outdoor space should use a Patch antenna.
- C. The indoor space should use Semi-Directional, while the outdoor space should use a Yagi antenna.
- D. The indoor space should use Omni-Directional, while the outdoor space should use a Yagi antenna.

Answer: B

Explanation:
In this layout, the indoor APs are centrally mounted to provide even signal distribution in all directions, while outdoor APs are wall-mounted facing the exterior coverage zone.
According to RUCKUS One Online Help - Antenna Selection and Deployment and RUCKUS AI Documentation - RF Design Guidelines, the best configuration for complete coverage is:
Indoor space: Use Omni-Directional antennas, which radiate uniformly in 360° for even indoor coverage and minimal dead zones.
Outdoor space: Use Patch antennas, which are semi-directional with a 60°-90° beamwidth ideal for covering patios, courtyards, or building perimeters without wasting signal behind the AP.
Yagi antennas are highly directional and suited for long-distance point-to-point links, not area coverage. Semi-directional indoor antennas are unnecessary unless indoor partitioning or wall density requires focused energy.
This combination-Omni indoors and Patch outdoors-provides optimal performance for mixed indoor-outdoor designs and aligns with RUCKUS high-density deployment best practices.
Reference:
RUCKUS One Online Help - Antenna Orientation and Coverage Recommendations RUCKUS Analytics 3.5 User Guide - RF Propagation and Signal Distribution Analysis RUCKUS AI Documentation - Mixed Environment RF and Antenna Design

NEW QUESTION # 48
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. Client retry percentage
- C. RSSI
- D. Noise floor level

Answer: D

Explanation:
TheNoise Floor Levelrepresents the background RF interference in dBm, which directly affects theSignal-to- Noise Ratio (SNR)and overall connection stability.
As stated inRUCKUS 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 Dashboardhighlights that tracking the noise floor is essential for differentiating between weak coverage and interference-based issues.
Retransmissions and retries are symptoms, while thenoise flooridentifies 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 # 49
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