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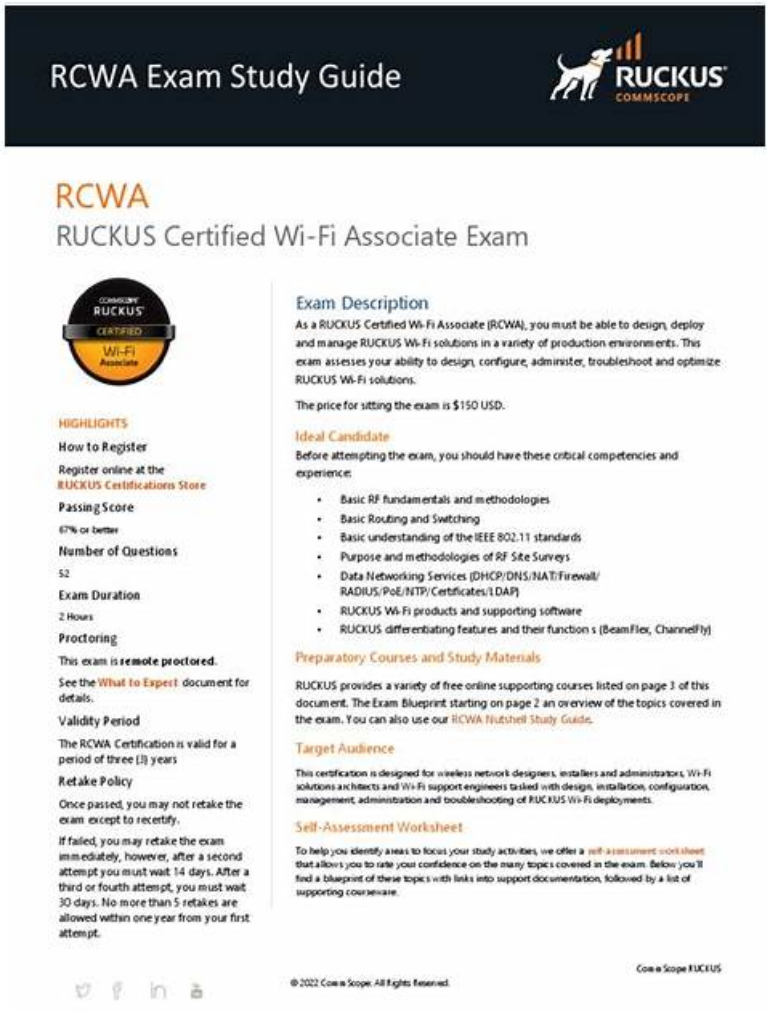
RCWA Exam Study Guide

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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What's more, part of that ITdumpsfree RCWA dumps now are free: https://drive.google.com/open?id=1VapIrK_L-ZjJNL0H8cgIVfaaxAkTXeNh

RCWA is so flexible that you can easily change the timings, types of questions, and topics for each mock exam. ITdumpsfree's RUCKUS Certified Wi-Fi Associate Exam practice test contains all the important questions that will appear in the actual RCWA Exam. We design and update our RUCKUS RCWA exam questions after receiving precious feedback. You can try a demo and sample of RCWA exam questions before purchasing.

RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 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	• Wi-Fi Solution Enhancement through Tuning and Optimization: This section of the exam measures skills of the Certified Logistics Technician and focuses on advanced techniques for fine-tuning and optimizing Wi-Fi network performance after deployment. It includes balancing load and frequency bands, implementing airtime fairness and decongestion methods, and using advanced 802.11 roaming amendments (k, r, v) to improve client mobility. The section also covers optimizing radio settings, such as Client Admission Control (CAC), and managing channel selection and power optimization, including the use of DFS and RUCKUS AI features.
Topic 4	• 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 5	• 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.

RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q24-Q29):

NEW QUESTION # 24
Load Balancing can be configured to balance clients across access points based on which two criteria?
(Choose two.)

- A. Proximity
- B. Client device type
- C. Client count
- D. AP capacity
- E. Client RSSI

Answer: C,E

Explanation:
Client Load Balancingin RUCKUS WLANs is designed to optimize client distribution among nearby access points, preventing over-association to a single AP and improving overall airtime efficiency.
According to theRUCKUS One Online Help - Load Balancing and Band SteeringandRUCKUS Analytics 3.5 User Guide - Client Distribution Analysis, SmartZone load balancing can be configured using two key parameters:

* Client RSSI (B):The system evaluates the signal strength of a client device relative to multiple APs to ensure that it connects to the most suitable AP, not necessarily the strongest or first one detected.
* Client Count (C):Balances client connections by redistributing associations when one AP exceeds a configured threshold compared to its neighbors.
AP capacityanddevice typeare not direct load-balancing criteria, andproximityis implicitly derived from RSSI measurements rather than configured explicitly.
Therefore, the correct answers areB (Client RSSI)andC (Client count).
References:
RUCKUS One Online Help - Client Load Balancing Configuration
RUCKUS Analytics 3.5 User Guide - AP Load and Client Distribution Monitoring RUCKUS AI Documentation - Load Balancing and Client Steering Optimization

NEW QUESTION # 25
A SmartZone Administrator has created a new GUEST WLAN as well as a new WLAN Group within a Zone.
APs are added to a new AP Group to limit areas where the GUEST WLAN is broadcast.
APs in the new AP Group are not broadcasting the GUEST WLAN.
What is the cause?

- A. The WLAN Group can only be associated with individual APs.
- B. The WLAN Group has been created in the Domain.
- C. The WLAN Group has not been associated with the AP radios in the AP Group.
- D. The WLAN Group must be applied at the AP Zone.

Answer: C

Explanation:
In SmartZone, WLAN Groups define which SSIDs (WLANs) are broadcast by specific APs or AP Groups. However, for an AP Group to actually broadcast the WLANs from a WLAN Group, that WLAN Group must be explicitly assigned to the AP Group's radio interfaces (2.4 GHz, 5 GHz, or 6 GHz).
According to RUCKUS One Online Help - WLAN Group Configuration and SmartZone Administrator Guide, when an AP Group does not have a WLAN Group bound to its radios, the SSIDs in that group will not be broadcast-even if both exist within the same Zone.
Creating the WLAN Group at the Domain level or Zone level is valid, but broadcasting depends on association at the AP Group radio level.
Reference:
RUCKUS One Online Help - WLAN and AP Group Relationship
RUCKUS Analytics 3.5 User Guide - WLAN Deployment and AP Broadcast Validation RUCKUS AI Documentation - WLAN Group-to-AP Radio Mapping Logic

NEW QUESTION # 26
Which two statements are true regarding roaming on RUCKUS WLANs? (Choose two.)

- A. Use of 802.11r Fast-Transition depends on the Encryption option.
- B. 802.11u Hotspot integration increases roaming speed.
- C. 802.11ac Aggregate MMPDUs decrease roam times.
- D. Roaming can be enhanced by building 802.11k neighbor AP lists.
- E. 802.11w PMF enables additional probe responses for faster roaming.

Answer: A,D

Explanation:
Seamless roaming on RUCKUS WLANs is achieved through support for 802.11k, 802.11r, and 802.11v enhancements, which collectively improve handoff efficiency and reduce latency when clients move between APs.
According to RUCKUS One Online Help - Fast Roaming Configuration and RUCKUS AI Documentation - Client Mobility Optimization, the following statements are true:
802.11k (C): Enables APs to provide Neighbor Reports listing surrounding APs and their channels, allowing clients to make faster and more intelligent roaming decisions.
802.11r (D): Implements Fast BSS Transition (FT), reducing authentication delay during roaming by pre-establishing encryption keys. However, its operation depends on the encryption type-it is supported only with WPA2-Enterprise (802.1X) and

WPA2/WPA3-Personal modes, not open WLANs.
The other options are incorrect: 802.11ac aggregation does not affect roaming; 802.11u supports Hotspot 2.0, not fast transition; and 802.11w (PMF) adds management frame protection, not roaming enhancements.
Thus, the correct answers are C (802.11k neighbor lists) and D (802.11r depends on encryption type).
Reference:
RUCKUS One Online Help - 802.11k/v/r Roaming Enhancements
RUCKUS Analytics 3.5 User Guide - Client Roaming and Transition Events
RUCKUS AI Documentation - Fast Roaming Optimization and Encryption Dependencies

NEW QUESTION # 27
Which two actions can be applied using an Application Policy? (Choose two.)

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

Answer: A,D

Explanation:
ARUCKUS Application Policyallows 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 toRUCKUS One Online Help - Application Control and Policy Management, andRUCKUS 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 leveragesDeep Packet Inspection (DPI)for identifying over 2,500+ applications, enabling precise enforcement per SSID or per user.
Other options-URL filtering,VLAN assignment, andpacket capture-are handled through separate mechanisms (Web filtering, Device Policy, and diagnostic tools, respectively), not via Application Policies.
Therefore, the correct answers areA (Rate limiting)andE (Quality of Service).
References:
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 # 28
A network administrator has saved a backup file using the default file name "RUCKUS-Unleashed_db_082719_ll_07.bak". Which three actions can be taken with this backup file? (Choose three.)

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

Answer: A,B,C

Explanation:
An Unleashed backup file (e.g., RUCKUS-Unleashed_db_082719_ll_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

NEW QUESTION # 29
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