

RCWA Valid Exam Test - Exam RCWA Certification Cost



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RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> RUCKUS Wi-Fi Solution Management: This section of the exam measures skills of the Certified Logistics Associate and covers the necessary administrative and maintenance tasks for the overall solution. This includes managing system upgrade paths, defining and controlling administrator roles using directory services and Multi-Factor Authentication (MFA), monitoring network events and alarms, and performing critical functions like backup and restoration on the SmartZone controller. It also addresses generating reports, setting health thresholds, and identifying and locating rogue access points on a map.

Topic 2	<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 • 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 3	<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 • 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 4	<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.

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RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q36-Q41):

NEW QUESTION # 36

Which SmartZone tool provides packet-level visibility for troubleshooting AP-to-controller communication failures?

- A. Network Health Dashboard
- B. SmartZone Trace Tool
- C. Cluster Diagnostics
- D. AP Debug Mode

Answer: B

Explanation:

The SmartZone Trace Tool enables administrators to capture packet-level traces from selected APs, clients, or controller interfaces to troubleshoot communication issues.

As defined in RUCKUS One Online Help - Trace and Packet Capture, this tool is used to analyze AP-to-controller join problems, authentication failures, or network latency conditions. Administrators specify the client MAC and associated AP(s) to collect targeted trace logs.

RUCKUS Analytics 3.5 User Guide - Client Troubleshooting Section further notes that trace outputs can be downloaded as .pcap files for Wireshark analysis, providing detailed visibility into control-plane and data-plane interactions.

Other options serve different roles: AP Debug Mode provides command-line diagnostics; Network Health Dashboard shows aggregated metrics; Cluster Diagnostics assesses overall cluster health.

References:

RUCKUS One Online Help - SmartZone Trace Tool

RUCKUS Analytics 3.5 User Guide - Client Session Trace and Packet Capture RUCKUS AI Documentation - Advanced Packet-Level Troubleshooting

NEW QUESTION # 37

Which RUCKUS feature protects service quality by prioritizing real-time voice and video traffic over background data flows?

- A. BeamFlex+
- **B. SmartCast**
- C. Band Steering
- D. ChannelFly

Answer: B

Explanation:

SmartCast is RUCKUS's advanced Quality of Service (QoS) engine that prioritizes latency-sensitive traffic such as voice, video, and real-time collaboration apps.

According to RUCKUS One Online Help - SmartCast Overview and RUCKUS Analytics 3.5 User Guide - QoS Monitoring, SmartCast identifies traffic types using Deep Packet Inspection (DPI) and applies 802.1p/DSCP markings to preserve QoS across wired and wireless segments.

It dynamically manages airtime scheduling and retransmissions to maintain low delay and jitter. Other features-like BeamFlex+ (antenna optimization) or ChannelFly (channel selection)-do not handle traffic prioritization.

Reference:

RUCKUS One Online Help - SmartCast QoS and Traffic Prioritization

RUCKUS Analytics 3.5 User Guide - Application Performance Metrics

RUCKUS AI Documentation - SmartCast and Traffic Management Architecture

NEW QUESTION # 38

Which three Ethernet Port Profile configuration options are available in SmartZone for APs? (Choose three.)

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

Answer: D,E,F

Explanation:

An Ethernet Port Profile in SmartZone defines 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 the RUCKUS One Online Help - AP Ethernet Port Profiles and SmartZone 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), and Tunnel Profile selection (handled under WLAN or Zone configuration)-are not part of the Ethernet Port Profile feature. Thus, the correct answers are A (Port speed), D (Spanning Tree mode), and E (802.1X Authentication).

Reference:

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 # 39

Which organization certifies wireless devices as interoperable across vendors?

- A. **Wi-Fi Alliance**
- B. Institute of Electrical and Electronics Engineers (IEEE)
- C. International Standards Organization (ISO)
- D. Internet Engineering Task Force (IETF)

Answer: A

Explanation:

The Wi-Fi Alliance (WFA) is the global organization responsible for testing and certifying interoperability of wireless LAN products based on the IEEE 802.11 standards. While the IEEE develops and maintains the technical specifications (e.g., 802.11a/b/g/n/ac/ax), it does not perform certification or compliance testing. Instead, the Wi-Fi Alliance ensures that certified devices from different manufacturers operate together seamlessly under the "Wi-Fi CERTIFIED™" program.

According to RUCKUS One Online Help and the RUCKUS AI documentation, RUCKUS access points and controllers undergo Wi-Fi Alliance certification to ensure compatibility with a wide range of client devices, including those using WPA3, Wi-Fi 6 (802.11ax), and Wi-Fi 6E technologies. This certification is critical for enterprise environments where heterogeneous client ecosystems exist.

The IETF focuses on internet protocols (e.g., IP, TCP), and the ISO handles broader international standards, not wireless interoperability. Therefore, the Wi-Fi Alliance is the correct organization ensuring cross-vendor interoperability for Wi-Fi.

Reference:

RUCKUS One Online Help - Wi-Fi Standards and Certification Overview

RUCKUS AI User Guide - Wi-Fi Alliance Certification Compliance

Wi-Fi Alliance Official Resource (www.wi-fi.org)

NEW QUESTION # 40

Which two statements are true regarding roaming on RUCKUS WLANs? (Choose two.)

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

Answer: B,E

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 (802.11X) 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).

References:

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 # 41

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