

RUCKUS RCWA Latest Exam Pass4sure - Latest RCWA Test Questions



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RUCKUS

RCWA Exam

RUCKUS Certified Wi-Fi Associate Exam

Exam Latest Version: 6.0

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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"> • 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"> • 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 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 • 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.

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RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q79-Q84):

NEW QUESTION # 79

Which type of interference occurs when two APs are configured on channel 7 and channel 8 in the same physical space?

- A. Adjacent
- B. Multipath
- C. Co-channel
- D. Diffraction

Answer: A

Explanation:

When two access points operate on overlapping channels in the same frequency band—such as channel 7 and channel 8 in the 2.4 GHz range—they create Adjacent Channel Interference (ACI). Unlike co-channel interference (CCI), which occurs when APs share the exact same channel, ACI results from partial channel overlap that causes energy spillover between adjacent frequencies.

According to RUCKUS One Online Help - Radio Configuration and Channel Planning, adjacent channels in 2.4 GHz are only 5 MHz apart, while each Wi-Fi channel occupies 20-22 MHz of bandwidth. As a result, channels like 7 and 8 significantly overlap, creating degraded performance, retransmissions, and reduced throughput.

RUCKUS's ChannelFly technology in both RUCKUS One and RUCKUS Analytics helps automatically select non-overlapping channels (such as 1, 6, and 11) to minimize ACI and optimize network capacity.

Therefore, the correct answer is A - Adjacent interference, which directly applies to overlapping channel configurations.

References:

RUCKUS One Online Help - Radio Channel Planning and ChannelFly Operation RUCKUS Analytics 3.5 User Guide - RF

NEW QUESTION # 80

What is the recommended overlap percentage for adjacent AP coverage areas to ensure seamless client roaming in enterprise environments?

- A. 15-20%
- B. 10-15%
- C. 20-25%
- D. 5-10%

Answer: C

Explanation:

To maintain seamless client roaming in enterprise-grade Wi-Fi environments, RUCKUS recommends 20-25% signal overlap between adjacent AP coverage cells.

According to RUCKUS One Online Help - Roaming and Coverage Design Guidelines, this overlap ensures clients maintain an adequate RSSI and SNR threshold during roaming events without coverage gaps.

RUCKUS Analytics 3.5 User Guide - Client Mobility Analysis confirms that insufficient overlap often leads to disconnects or sticky-client behavior, while excessive overlap increases co-channel interference.

This guideline applies across 2.4 GHz and 5 GHz deployments, ensuring smooth transitions for 802.11r/k/v-enabled clients.

Reference:

RUCKUS One Online Help - Wi-Fi Roaming and AP Overlap Design Principles RUCKUS Analytics 3.5 User Guide - Client Roaming and RF Optimization RUCKUS AI Documentation - Roaming Performance and Cell Overlap Best Practices

NEW QUESTION # 81

What is one advantage of RUCKUS BeamFlex+ over Transmit Beamforming?

- A. It increases radio Tx power.
- B. It does not require supported client drivers.
- C. It eliminates channel interference.
- D. It eliminates hardware PHY errors.

Answer: B

Explanation:

RUCKUS BeamFlex+ is an advanced adaptive antenna technology that dynamically selects from thousands of possible antenna patterns to optimize signal quality and performance for each client connection. Unlike Transmit Beamforming (TxBF), which depends on feedback from client devices that must support specific beamforming protocols, BeamFlex+ operates entirely on the access point side.

The key advantage of BeamFlex+ is that it does not require any client-side support or compatible drivers.

It continuously analyzes signal characteristics and client locations to select the optimal antenna pattern in real time, enhancing both range and throughput without additional client configuration.

According to the RUCKUS One Online Help and RUCKUS AI documentation, BeamFlex+ combines adaptive antenna pattern selection with polarization diversity (PD-MRC) to improve performance in dynamic environments. In contrast, Tx Beamforming requires explicit feedback (channel state information) from clients, limiting its effectiveness when clients lack driver or chipset compatibility.

Thus, the correct answer is D, as BeamFlex+ provides all the benefits of adaptive beamforming without the need for client-side dependencies.

References:

RUCKUS One Online Help - BeamFlex+ and Antenna Optimization Features

RUCKUS Analytics 3.5 User Guide - RF Optimization Metrics and BeamFlex+ Insights RUCKUS AI Documentation - Advanced Antenna Technologies (BeamFlex+ vs TxBF)

NEW QUESTION # 82

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

- A. 802.11u Hotspot integration increases roaming speed.

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

Answer: B,C

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 # 83

Which type of interference occurs when two APs are configured on channel 7 and channel 8 in the same physical space?

- A. Adjacent
- B. Multipath
- C. Co-channel
- D. Diffraction

Answer: A

Explanation:

When two access points operate on overlapping channels in the same frequency band-such as channel 7 and channel 8 in the 2.4 GHz range-they create Adjacent Channel Interference (ACI). Unlike co-channel interference (CCI), which occurs when APs share the exact same channel, ACI results from partial channel overlap that causes energy spillover between adjacent frequencies.

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Therefore, the correct answer is A - Adjacent interference, which directly applies to overlapping channel configurations.

Reference:

RUCKUS One Online Help - Radio Channel Planning and ChannelFly Operation RUCKUS Analytics 3.5 User Guide - RF Interference Detection and Channel Utilization RUCKUS AI Documentation - Channel Optimization and Interference Management

NEW QUESTION # 84

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