

RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q47-Q52):

NEW QUESTION # 47

When designing a WLAN for VoIP, what percentage of airtime utilization and RSSI threshold should be maintained?

- A. Above 60% utilization and -69 dBm minimum
- B. Above 55% utilization and -60 dBm minimum
- C. Under 75% utilization and -70 dBm minimum
- **D. Under 50% utilization and -65 dBm minimum**

Answer: D

Explanation:

For Voice-over-Wi-Fi (VoWiFi) deployments, RUCKUS recommends maintaining airtime utilization under 50% and ensuring a minimum RSSI of -65 dBm at the edge of coverage areas to guarantee clear call quality and low latency.

According to RUCKUS One Online Help - WLAN Design for Real-Time Applications and RUCKUS AI Documentation - VoIP Quality Optimization, these thresholds ensure a Signal-to-Noise Ratio (SNR) above 25 dB, keeping jitter under 30 ms and packet loss below 1%.

RUCKUS SmartCast QoS automatically prioritizes voice packets (802.11e WMM Voice AC) to further protect call performance, but maintaining low channel congestion remains critical.

RUCKUS Analytics 3.5 User Guide - Airtime and Voice Traffic Metrics emphasizes monitoring airtime utilization through dashboards to verify compliance with design thresholds.

Reference:

RUCKUS One Online Help - Designing for Voice over Wi-Fi (VoWiFi) Guidelines RUCKUS Analytics 3.5 User Guide - Airtime Utilization and Voice Quality Metrics RUCKUS AI Documentation - Real-Time Application Optimization and QoS Design

NEW QUESTION # 48

An admin has created a RUCKUS GRE tunnel profile in SmartZone.

Why is the new tunnel unavailable in the GRE Tunnel Profile dropdown when configuring the WLAN?

- A. WLAN does not support GRE tunnels.
- **B. GRE tunnel has not been associated with an AP Zone.**
- C. The maximum GRE tunnel count has been reached.
- D. A split tunnel profile has not been created.

Answer: B

Explanation:

In SmartZone, Generic Routing Encapsulation (GRE) tunnels are used to encapsulate client traffic and forward it to a remote gateway, typically for security or centralized routing.

As described in RUCKUS One Online Help - GRE Tunneling Configuration, a tunnel profile becomes available for WLAN association only when it is explicitly linked to an AP Zone. This ensures that all APs in the zone can apply the correct tunnel endpoint and keying parameters.

If a GRE profile is not mapped to a zone, it will not appear in the WLAN configuration dropdown, even if successfully created.

Other options are incorrect because SmartZone supports GRE for WLANs by design, split-tunnel profiles are optional, and tunnel count limitations are far higher than typical enterprise use.

Reference:

RUCKUS One Online Help - GRE Tunnel Profile Configuration and Zone Binding RUCKUS Analytics 3.5 User Guide - Tunnel Status and Performance Metrics RUCKUS AI Documentation - GRE Tunneling Architecture and Troubleshooting

NEW QUESTION # 49

Which tool verifies RF spectrum for valid Wi-Fi networks and sources of non-Wi-Fi interference?

- **A. Chanalyzer**
- B. WLAN discovery tool
- C. RUCKUS Wi-Fi Planner
- D. Predictive site survey software

Answer: A

Explanation:

Chanalyzer is a specialized RF spectrum analysis tool developed for use with Wi-Spy spectrum analyzers. It is used to visualize and validate Wi-Fi and non-Wi-Fi interference sources across the 2.4 GHz and 5 GHz bands.

According to the RUCKUS One Online Help - Spectrum Analysis and RF Interference Tools, spectrum analysis tools like Chanalyzer can detect non-802.11 interference sources such as microwave ovens, Bluetooth devices, DECT phones, and radar signals. While RUCKUS APs have built-in spectrum analysis mode, Chanalyzer provides external, high-resolution spectrum visualization that helps confirm interference sources in physical environments.

In contrast, RUCKUS Wi-Fi Planner (or Wi-R Planner) is used for predictive RF design and coverage estimation, not live interference detection. The WLAN discovery tool identifies SSIDs and basic network parameters but cannot detect non-Wi-Fi signals.

Therefore, the correct answer is D (Chanalyzer) - the standard tool for verifying valid Wi-Fi operation and identifying non-Wi-Fi interference sources.

Reference:

RUCKUS One Online Help - Spectrum Analysis Overview and External Tool Support RUCKUS Analytics 3.5 User Guide - RF Performance and Noise Source Detection RUCKUS AI Documentation - RF Troubleshooting and Spectrum Validation

NEW QUESTION # 50

An administrator has installed a valid SSL certificate within SmartZone.

Which condition explains why the WISPr service does not use this certificate?

- A. Certificate has to be a wildcard certificate.
- B. Unique certificates are required for WISPr.
- C. Certificate Signing Request was not completed correctly.
- **D. Certificate is not mapped to the WISPr service.**

Answer: D

Explanation:

When a valid SSL certificate is installed on SmartZone, it is not automatically applied to all services. The WISPr (Wireless Internet Service Provider roaming) portal must have the certificate explicitly mapped to it in the Web Authentication settings.

According to RUCKUS One Online Help - Certificate Management and Portal Configuration, SSL certificates must be bound to individual services such as WISPr, SmartZone GUI, or AP web services. If a certificate is uploaded but not mapped, the portal continues using the default system certificate, leading to trust or validation errors for guest users.

The certificate does not need to be a wildcard, and WISPr can share a certificate with other services as long as it's properly assigned.

Reference:

RUCKUS One Online Help - SSL Certificate Installation and Mapping for WISPr RUCKUS Analytics 3.5 User Guide - Web Authentication and Certificate Validation Logs RUCKUS AI Documentation - Secure WISPr and HTTPS Certificate Configuration

NEW QUESTION # 51

Load Balancing can be configured to balance clients across access points based on which two criteria?

(Choose two.)

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

Answer: A,B

Explanation:

Client Load Balancing in 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 the RUCKUS One Online Help - Load Balancing and Band Steering and RUCKUS 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 capacity and device type are not direct load-balancing criteria, and proximity is implicitly derived from RSSI measurements rather than configured explicitly.

Therefore, the correct answers are B (Client RSSI) and C (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 # 52

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