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## RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q34-Q39):

### NEW QUESTION # 34

A wireless administrator wishes to consolidate the management of RUCKUS APs by onboarding three new sites to SmartZone 5.2. The APs currently managed by this SmartZone cluster are running AP firmware 5.2.1.0.1038. The administrator has noted the following AP software versions for each of the sites:

- \* The APs in San Mateo are running 200.7.10.202.121
- \* The APs in Toronto are running 102.0.0.0.5
- \* The APs in Mexico City are running 5.2.0.0.1412

Which three statements are true with regard to onboarding, one for each of these three sites? (Choose three.)

- A. San Mateo devices need to be running Solo Code.
- B. San Mateo devices can use ap-mode commands to onboard.
- C. Toronto devices will use LWAPP to communicate to SmartZone.
- D. Mexico City devices can use CLI commands to onboard.
- E. Mexico City devices are currently being managed by this cluster.
- F. Toronto devices will use SSH to communicate to SmartZone.

**Answer: B,C,E**

Explanation:

In this SmartZone 5.2 onboarding scenario:

\* San Mateo (200.7.10.202.121): These APs are running Unleashed firmware, which cannot directly join a SmartZone controller.

According to the RUCKUS One Online Help - AP Firmware Migration, Unleashed APs must first be converted to Standalone (Solo) mode using CLI (set director ip <SZ\_IP> or set scg ip) before they can connect. Thus, D (San Mateo devices can use ap-mode commands to onboard) is correct.

\* Toronto (102.0.0.0.5): This firmware version represents Zone Director (ZD) code. APs on ZD firmware communicate using LWAPP, and to migrate them, administrators must perform a firmware conversion process (using set scg ip) for SmartZone compatibility. Therefore, E (Toronto devices will use LWAPP to communicate to SmartZone) is correct.

\* Mexico City (5.2.0.0.1412): These APs already match the SmartZone firmware family (5.2.x), meaning they are currently or can immediately be managed by this SmartZone cluster. Therefore, F is correct.

References:

RUCKUS One Online Help - AP Firmware Compatibility and Onboarding

RUCKUS Analytics 3.5 User Guide - Device Connection and Cluster Management RUCKUS AI Documentation - SmartZone AP Management and Migration Workflows

### NEW QUESTION # 35

Using the rule of 10s and 3s, how many mW does 23 dBm convert to?

- A. 225 mW
- B. 150 mW
- **C. 200 mW**
- D. 250 mW

**Answer: C**

Explanation:

The Rule of 10s and 3s is a quick mental calculation used to convert between dBm (decibel-milliwatts) and milliwatts (mW), which represent power levels. The rule states that:

Every 10 dB increase corresponds to a 10 $\times$  increase in power.

Every 3 dB increase corresponds to approximately a 2 $\times$  increase in power.

Starting from 0 dBm = 1 mW:

+10 dBm = 10 mW

+20 dBm = 100 mW

Add 3 dB  $\rightarrow$  23 dBm = 100 mW  $\times$  2  $\approx$  200 mW

Thus, 23 dBm converts to approximately 200 mW. This principle is used throughout RUCKUS documentation for understanding EIRP (Effective Isotropic Radiated Power) and ensuring compliance with regulatory transmit power limits.

According to RUCKUS One Online Help and RUCKUS AI user documentation, administrators often use this conversion when optimizing transmit power settings to balance coverage and interference. The rule helps design engineers translate dB settings into physical power outputs during Wi-Fi tuning and planning.

Reference:

RUCKUS One Online Help - Radio Settings and Transmit Power Configuration RUCKUS Analytics 3.5 User Guide - RF Metrics and Power Analysis RUCKUS AI Documentation - Understanding RF Signal Levels (docs.cloud.ruckuswireless.com/RUCKUS-AI/userguide/index.html)

### NEW QUESTION # 36

Which RUCKUS feature enables access points to dynamically form wireless backhaul links when Ethernet is unavailable?

- A. SmartCast
- B. ChannelFly
- **C. SmartMesh**
- D. BeamFlex+

**Answer: C**

Explanation:

SmartMesh is RUCKUS's adaptive wireless backhaul technology that allows access points to interconnect without relying on Ethernet cabling. When Ethernet uplinks are not available, a designated Root AP provides upstream connectivity while Mesh APs connect wirelessly to extend coverage.

According to RUCKUS One Online Help - SmartMesh Networking and RUCKUS AI Documentation - Mesh Optimization, SmartMesh automatically selects optimal paths based on link quality, latency, and throughput. The feature supports self-healing and automatic rerouting if a mesh link fails.

Unlike SmartCast (QoS management), ChannelFly (dynamic channel selection), or BeamFlex+ (antenna pattern optimization), SmartMesh is dedicated to resilient wireless backhaul formation.

References:

RUCKUS One Online Help - Mesh Configuration and Deployment

RUCKUS Analytics 3.5 User Guide - Mesh Topology and Link Quality Monitoring RUCKUS AI Documentation - SmartMesh and Adaptive Backhaul Optimization

## NEW QUESTION # 37

Review the exhibit. What can be determined about this SmartZone? (Choose three.)

□

- A. The server has three physical 1 Gbps NICs.
- B. The controller is part of a four-node cluster.
- C. This is a virtual SmartZone High-Scale (vSZ-H).
- D. The controller is using three port groups, one for each NIC/function.
- E. This is a virtual SmartZone Essentials (vSZ-E).
- F. The management, control, and cluster interfaces use a single NIC.

Answer: A,C,D

Explanation:

The exhibit shows a virtual SmartZone (vSZ) configuration running in a VMware environment with three separate virtual NICs (vNICs), each mapped to a different port group: Management, Control, and Cluster.

According to RUCKUS One Online Help - SmartZone Interface Configuration and RUCKUS AI Documentation - SmartZone High-Scale Architecture, this design is specific to vSZ-H (High-Scale) deployments, which require three distinct network interfaces for distributed control, management, and cluster synchronization.

The three NIC mappings confirm physical or virtual separation of traffic for scalability and redundancy (A and E). vSZ-E (Essentials) requires only two interfaces (Management and Control) and does not use a dedicated cluster interface, distinguishing it from vSZ-H (D).

There is no indication of a four-node cluster in the exhibit, and SmartZone appliances typically show node counts under the Cluster Dashboard, not at the NIC configuration stage.

Thus, based on the configuration, this is a vSZ-H system with three NICs and three port groups, each serving a dedicated function.

Référence:

RUCKUS One Online Help - SmartZone vSZ-H Network Interface Roles

RUCKUS Analytics 3.5 User Guide - Controller Connectivity and Cluster Interfaces RUCKUS AI Documentation - vSZ-H Deployment Topologies and Port Group Mapping

## NEW QUESTION # 38

A user reports intermittent connectivity on a 5 GHz SSID. Which RUCKUS diagnostic metric should be checked first to identify RF interference?

- A. Noise floor level
- B. RSSI
- C. Client retry percentage
- D. Retransmission count

Answer: A

Explanation:

The Noise Floor Level represents the background RF interference in dBm, which directly affects the Signal-to-Noise Ratio (SNR) and overall connection stability.

As stated in RUCKUS 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 Dashboard highlights that tracking the noise floor is essential for differentiating between weak coverage and interference-based issues.

Retransmissions and retries are symptoms, while the noise floor identifies the root cause.

Réferences:

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 # 39

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