12.12 Lab: Optimize a Wireless Network

Candidate: COMPTIA COMPTIA ()
Time Spent: 00:11

Score: 0%

Task Summary

Required Actions

✕ Configure Self Healing   Show Details

✕ Configure Background Scanning   Show Details

✕ Configure Load Balancing   Show Details

✕ Configure Band Balancing for 30% on 2.4GHz

✕ Adjust the AP Power Level   Show Details

Explanation

Configure your wireless access points as follows:

1. Configure Self Healing on the wireless network.
   a. From the Ruckus ZoneDirector, select the **Configure** tab.
   b. From the left menu, select **Services**.
   c. Under Self Healing, select **Automatically adjust AP radio power to optimize coverage when interference is present**.
   d. Use the *Automatically adjust 2.4GHz channels using* drop-down arrow to select **Background Scanning**.
   e. Use the *Automatically adjust 5GHz channels using* drop-down arrow to select **Background Scanning**.
   f. On the right, select **Apply** (in the Self Healing pane).
2. Configure Background Scanning.
   ▪ Under Background Scanning, select **Run a background scan on 2.4GHz radio**.
   ▪ Enter **30** seconds.
   ▪ Select **Run a background scan on 5GHz radio**.
   ▪ Enter **30** seconds.
   ▪ On the right, select **Apply**.
3. Configure Load Balancing.
   ▪ Under Load Balancing, select **Run load balancing on 2.4GHz radio**.
   ▪ In the Adjacent radio threshold(dB) field, enter **40**.
   ▪ Select **Run load balancing on 5GHz radio**.

- In the Adjacent radio threshold(dB) field, enter **40**.
- On the right, select **Apply**.

4. Configure Band Balancing.
   a. Under Band Balancing, select **Percent of clients on 2.4GHz radio**.
   b. Enter **30**.
   c. On the right, select **Apply**.

5. Adjust the AP Power Level.
   a. From the left menu, select **Access Points**.
   b. From the top right, select **Exhibit** to determine which access points to adjust; then close the exhibit.
   c. Under Access Points, select **Edit** next to the *access point* to be modified.
   d. Under Radio B/G/N(2.4G) next to TX Power, make sure **Override Group Config** is selected.
   e. From the TX Power drop-down list, select **-3dB (1/2)**.
   f. Under Radio A/N/AC(5G) next to TX Power, make sure **Override Group Config** is selected.
   g. From the TX Power drop-down list, select **-3dB (1/2)**.
   h. Select **OK**.
   i. Repeat steps 5b - 5h for additional access points.