5.4.13 Lab: Secure a Small Wireless Network

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Time Spent: 51:36

Score: 100%

Task Summary

Required Actions

✔ Give the wireless network an SSID

✔ Give the wireless network WPA2 Personal encryption

✔ Give the wireless network a password

✔ Connect the laptop to the wireless network

Explanation

In this lab, your task is to set up and secure the wireless network using the following settings:

- Give the network an SSID (network name):
  - The SSID can be changed on the **Basic Settings** subtab of the **Wireless** tab.
  - Add the SSID **Pretty Fly Wi-Fi** to the 2.4GHz interface.
  - Before you leave this page, scroll to the bottom and click **Apply Settings** to save your work.
- Add encryption and a password to the wireless network:
  - The encryption and password can be configured on the **Wireless Security** subtab of the **Wireless** tab.
  - Use **WPA2-PSK** encryption.
  - Set **H@rd2Guess** as the shared key (password).
  - Before you leave this page, scroll to the bottom and click **Apply** to save your work.
- Return to the Computer Desk and connect the laptop to the wireless network you just configured.

Complete this lab as follows:

1. Access the router settings:
   a. Click the screen of **Home-PC** to access the operating system.
   b. From the taskbar, open **Chrome**.
   c. In the URL field, type **192.168.0.254** and press **Enter**.
   d. In the Username field, enter **admin**.
   e. In the Password field, enter **password**.
   f. Select **OK**.
2. Give the wireless network an SSID:
   a. Select the **Wireless** tab and then select the **Basic** subtab.

    b. Type **Pretty Fly Wi-Fi** into the Wireless Network Name (SSID) field.

    c. Scroll to the bottom of the screen and select **Apply**. **Do not forget this step!**

3. Configure security settings for the network:

    a. Log in to the Wireless Router again with the above credentials.

    b. Select the **Wireless** tab and then select the **Security** subtab.

    c. Open the Security Mode dropdown and select **WPA2-PSK**.

    d. Type **H@rd2Guess** into the WPA Pass Phrase field.

    e. Scroll to the bottom of the screen and select **Apply**. **Do not forget this step!**

4. Configure the Home-Laptop to connect to the wireless network and save the wireless profile as follows:

    a. At the top of the screen above the Chrome window, select **Computer Desk**.

    b. Select the monitor of the Home-Laptop to access the operating system.

    c. In the notification area, select the **Network** icon.

    d. Select the arrow next to the Wi-Fi symbol.

    e. With the Pretty Fly Wi-Fi network selected, select **Connect**.

    f. Enter **H@rd2Guess** into the security key field.

    g. Select **Next**.