

12.3.10 Lab: Secure a Home Wireless Network

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Time Spent: 00:33

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Task Summary

Required Actions

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- ✗ Change the Wireless Network Name (SSID) to PoliceVan
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- ✗ Configure the wireless security settings [Show Details](#)
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- ✗ Change the wireless access point's default administrator authentication credentials [Show Details](#)
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Explanation

Complete this lab as follows:

1. Access, and sign into, the TPLink-AC1750 wireless access point.
 - a. In the URL field of Google Chrome, enter **192.168.0.254** and press **Enter**.
 - b. Maximize Google Chrome for easier viewing.
 - c. From the top menu bar, select the **Wireless** tab.
 - d. Enter the sign-in credentials:
 - Username: **admin**
 - Password: **password**
 - e. Select **Sign In**.
2. Change the Wireless Network Name (SSID) to PoliceVan.
 - a. Make sure the Wireless submenu of **Basic Settings** is selected.
 - b. Under *Wireless Interface wlan0*, change the *Wireless Network Name (SSID)* to **PoliceVan**.
 - c. Scroll down and select **Apply Settings**.
3. Configure the wireless security settings.
 - a. From the submenu bar, select the **Wireless Security** tab.
 - b. For Wireless Mode, use the drop-down list to select **WPA**.
 - c. Under Network Authentication, select **WPA2 Personal**.
 - d. Under WPA Algorithms, select **CCMP-128 AES**.
 - e. In the WPA Shared Key field, enter **4WatchingU**.
 - f. (Optional) Select **Unmask** to verify your new shared key.
 - g. Scroll to the bottom and select **Apply Settings**.
4. Change the wireless access point's administration authentication credentials.
 - a. From the top menu bar, select the **Administration** tab.

- b. Make sure the **Management** submenu is selected.
 - c. Change the Router Password settings as follows:
 - Router Username: **@dm1n** (1 is the number 1)
 - Router Password: **StayOut!** (O is the capital letter O).
 - Re-enter to confirm: **StayOut!** (O is the capital letter O).
 - d. Scroll to the bottom and select **Apply Settings**.
 - e. Select **Save**.
 - f. Select **Reboot Router**.
 - g. When prompted, select **Continue**.
5. Configure the laptop to connect to the wireless network and save the wireless profile settings.
- a. From the top left, select **Computer Desk**.
 - b. On the Home-Laptop monitor, select **Click to view Windows 11**.
 - c. From the Notification area of the taskbar, select the **Network** icon.
 - d. To the right of the wireless icon, select the > icon.
 - e. Select the **PoliceVan** wireless network.
 - f. Make sure **Connect automatically** is selected.
 - g. Select **Connect**.
 - h. Enter **4WatchingU** (the passphrase/network security key).
 - i. Select **Next**.
 - j. From the Notification area of the taskbar, right-click the *network* icon and select **Network & Internet settings** to confirm the connection.