

Packet Tracer - Configure Basic Wireless Security

Solis, Rein Aldwin E.

33 - ITE - 01

Objectives

Configure basic wireless security using WPA2 Personal.

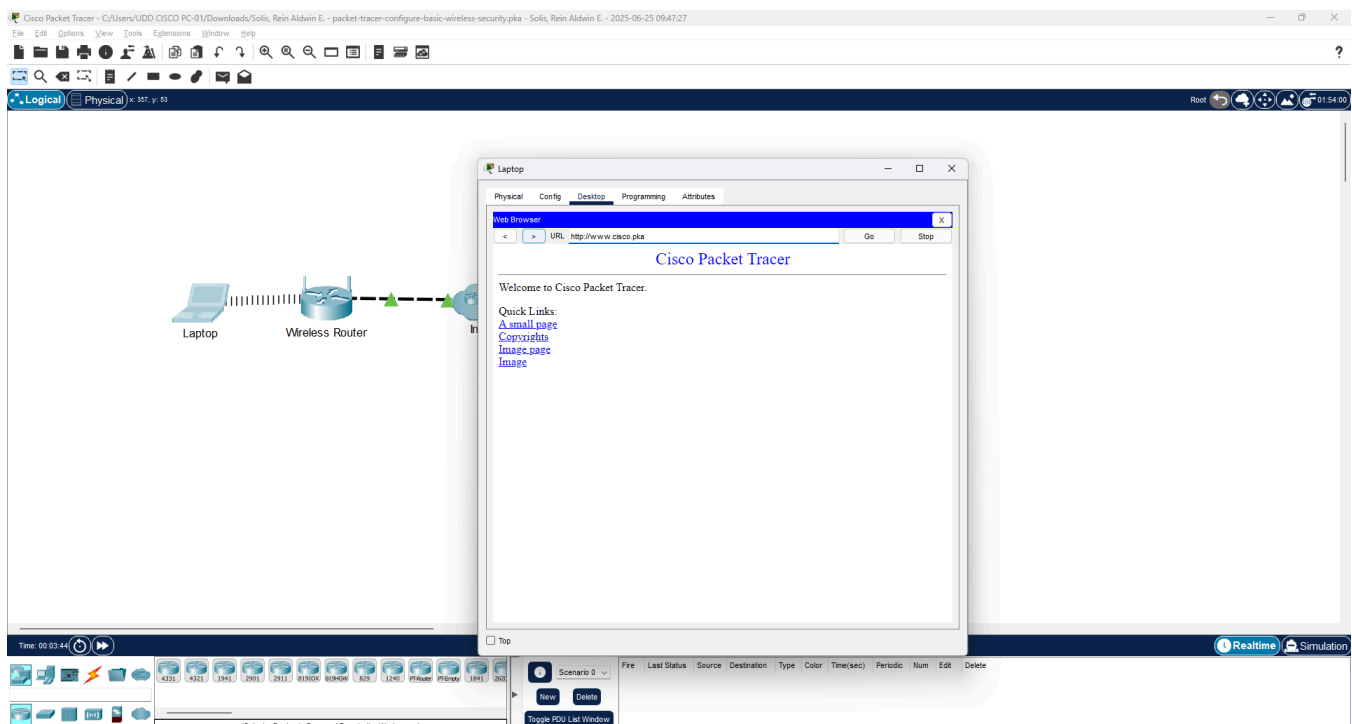
Background / Scenario

A small business owner learns that the wireless network should be secured from unauthorized access. He has decided to use WPA2 Personal for his network.

Instructions

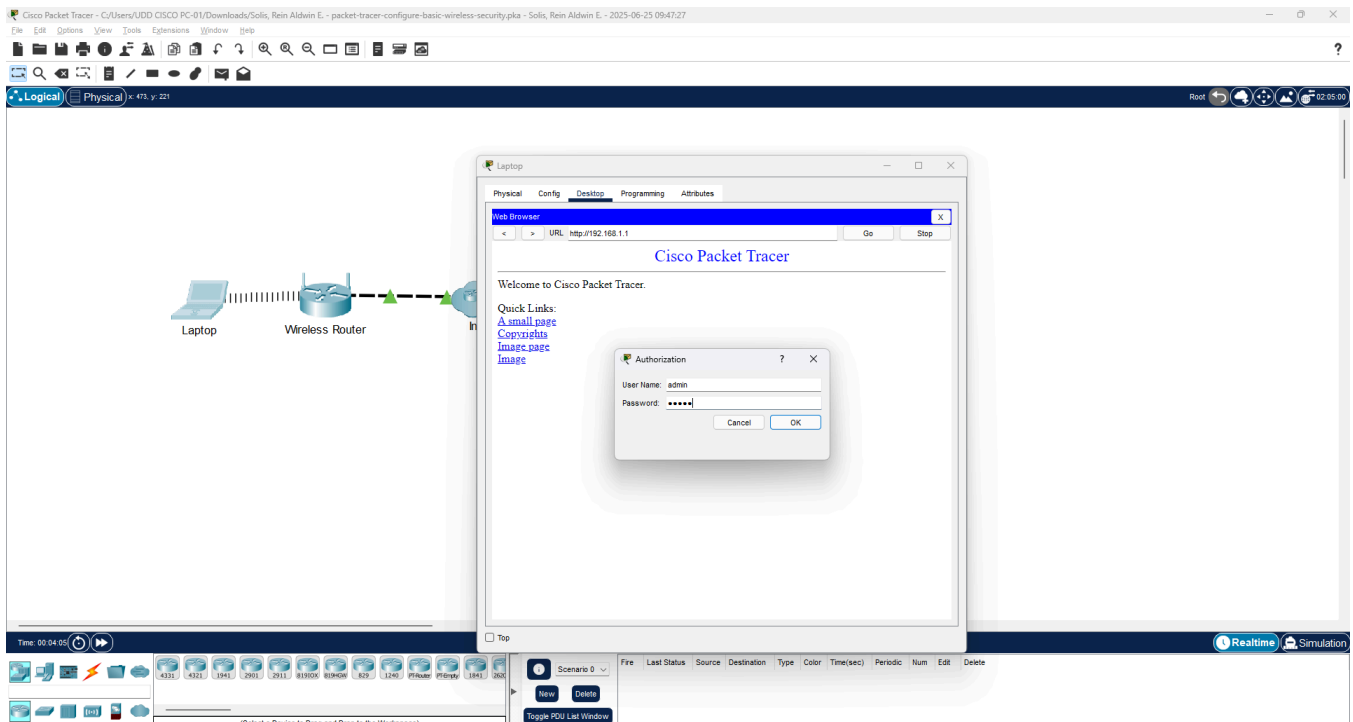
Part 1: Verify connectivity.

- Access the **Desktop > Web Browser** on the laptop.
- Enter **www.cisco.pka** into the URL. The web page should display.

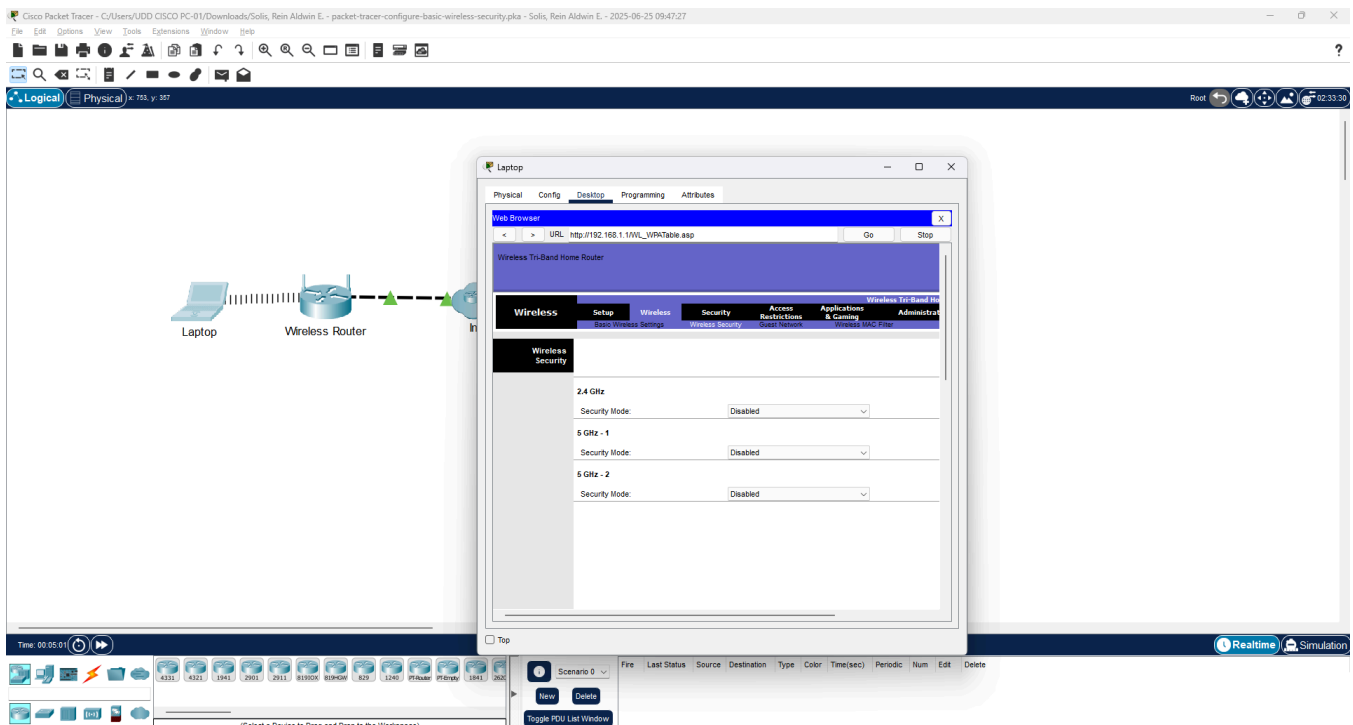


Part 2: Configure basic wireless security.

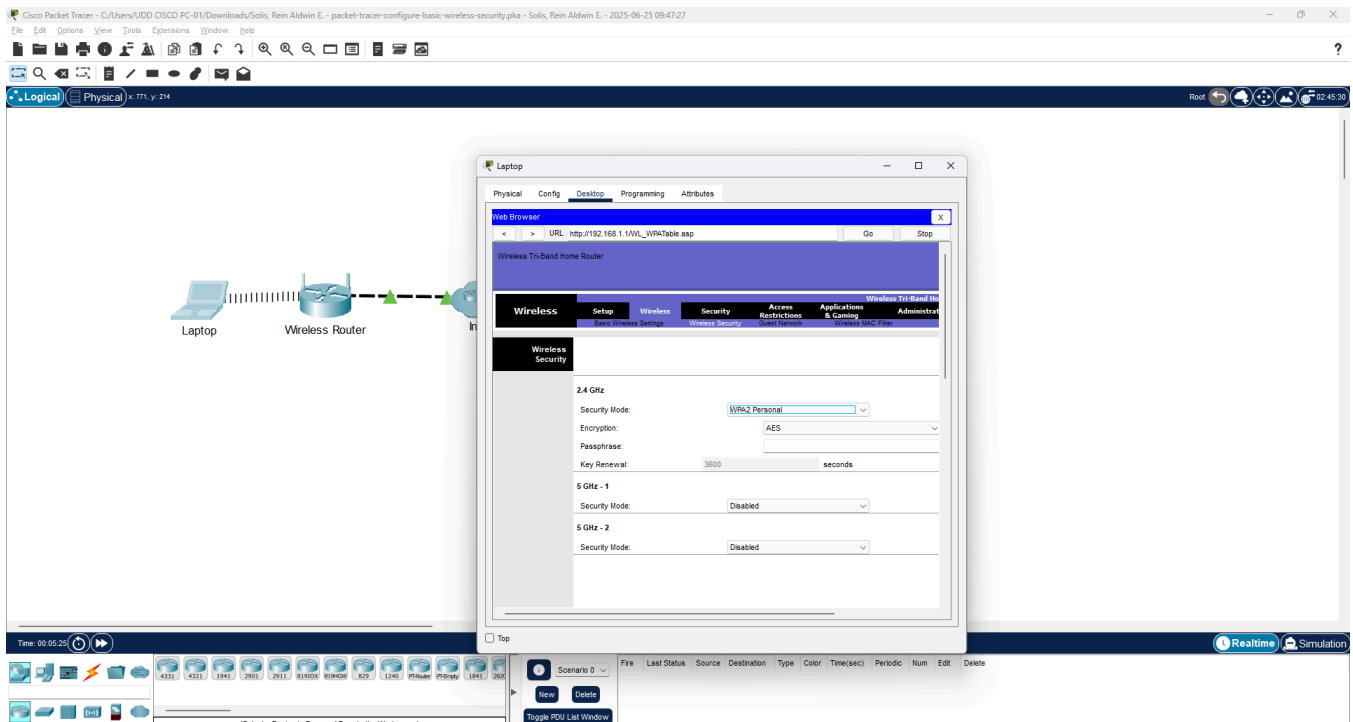
- Enter **192.168.1.1** in the web browser to access the wireless router. Enter **admin** as the username and password.



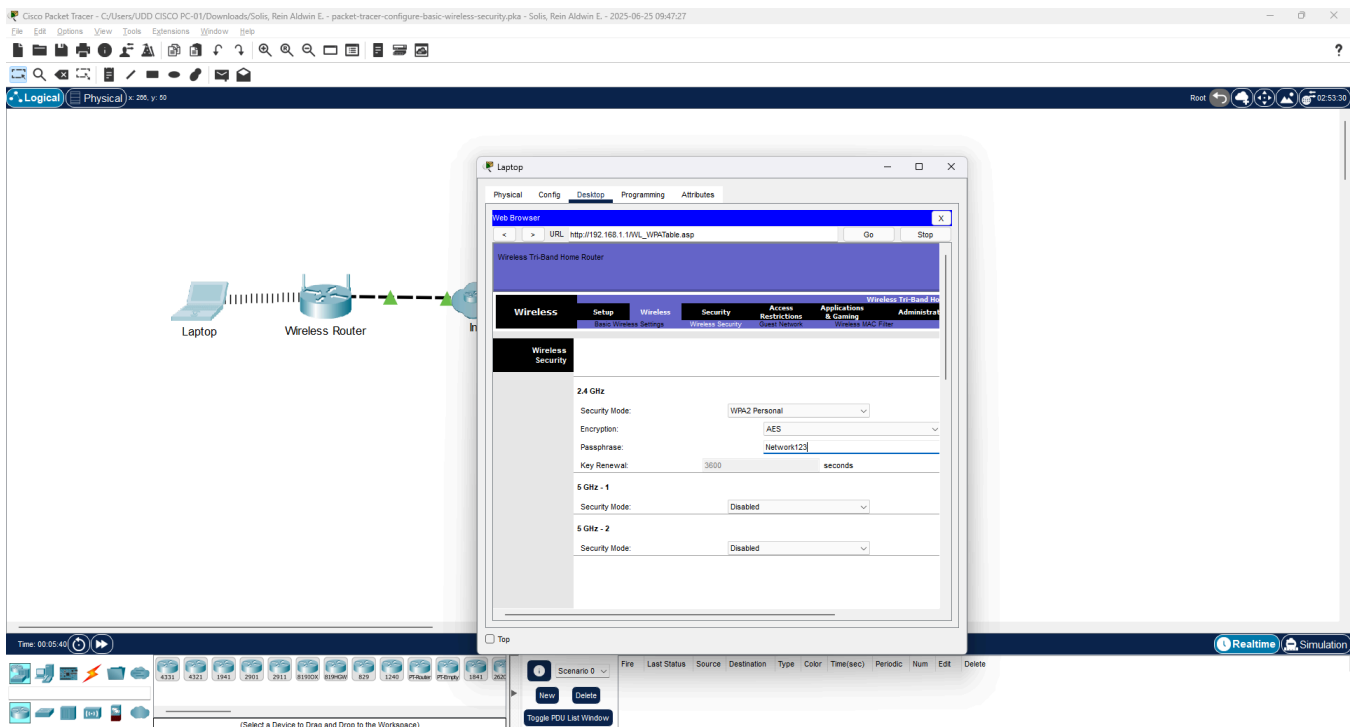
b. Click **Wireless** menu. Select **Wireless Security** menu.



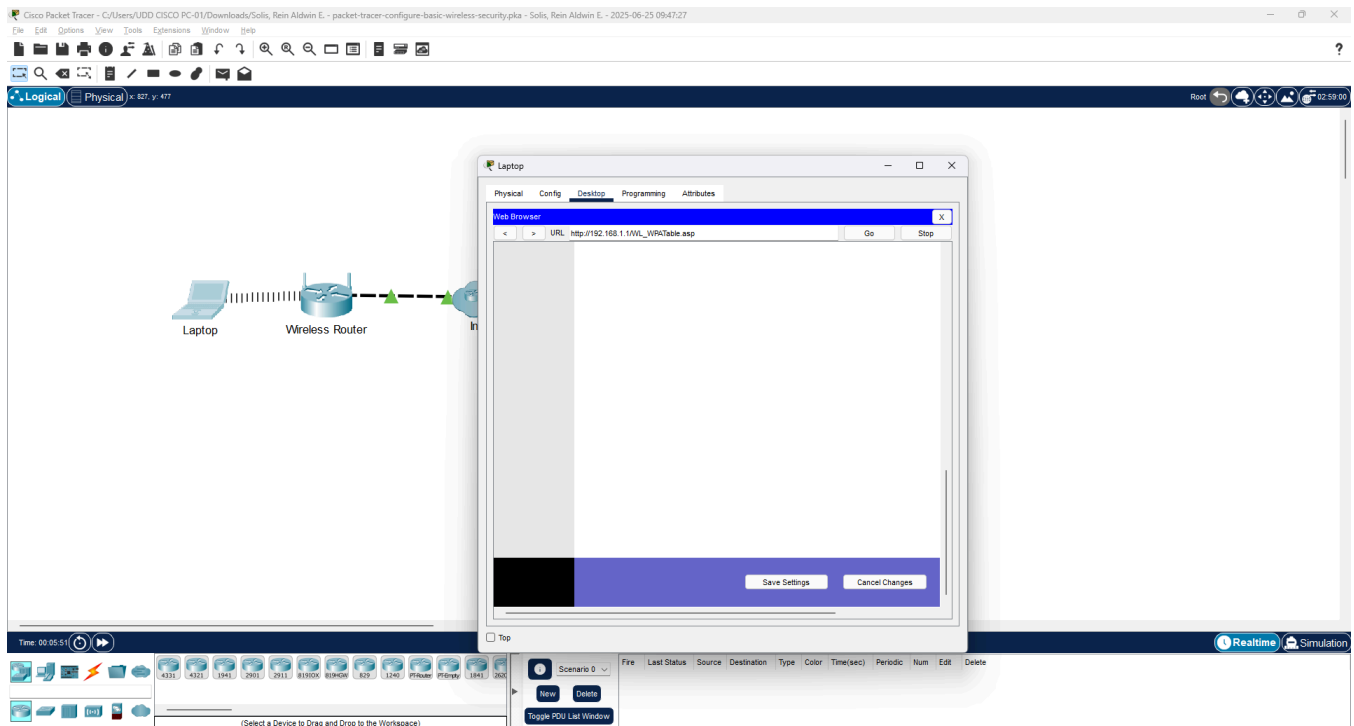
c. The security mode is disabled currently. For 2.4 GHz network, change the security mode to **WPA2 Personal**. For the 5 GHz networks, you can leave them as disabled.



d. In the Passphrase field, enter **Network123**.

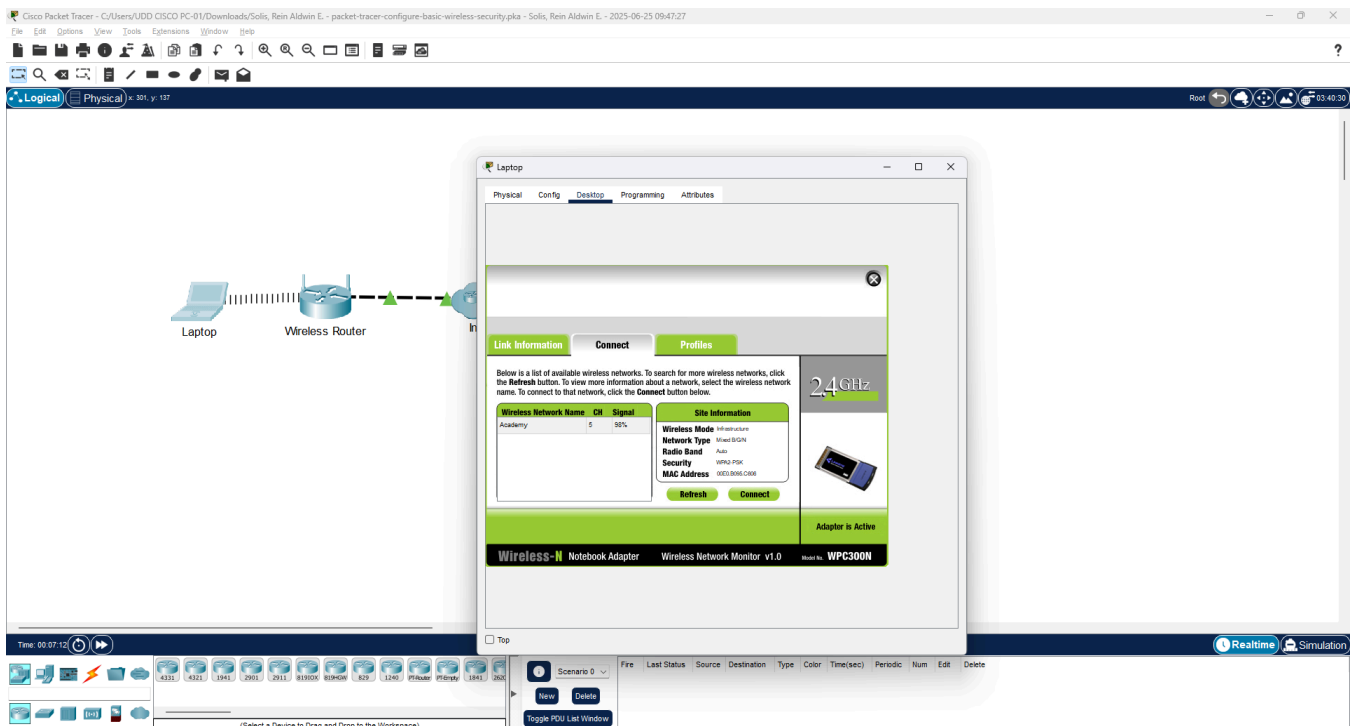
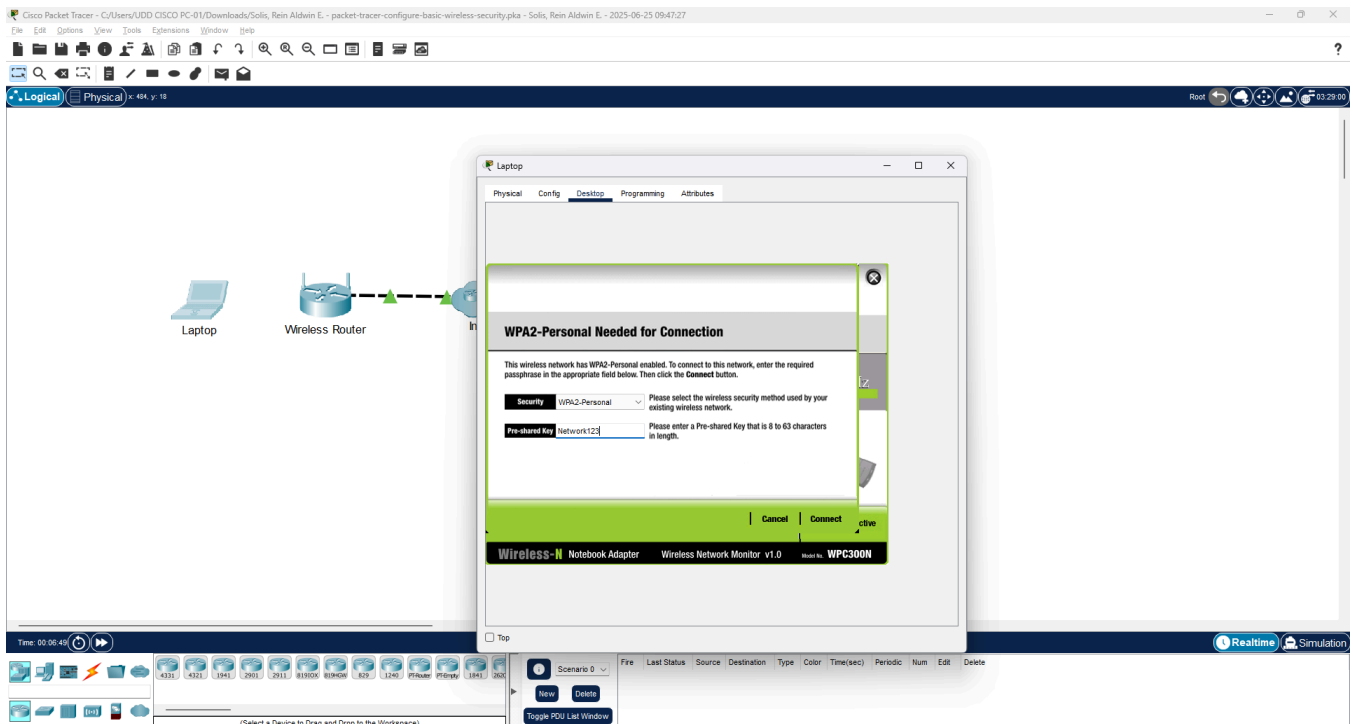


e. Scroll down to the bottom of the page and click **Save Settings**. Close the web browser.



Part 3: Update the wireless settings on Laptop.

- Click **PC Wireless** in the Desktop tab.
- Click **Connect** tab. Select the **Academy** and click **Connect**.
- Enter **Network123** as the pre-shared key. Click **Connect**.

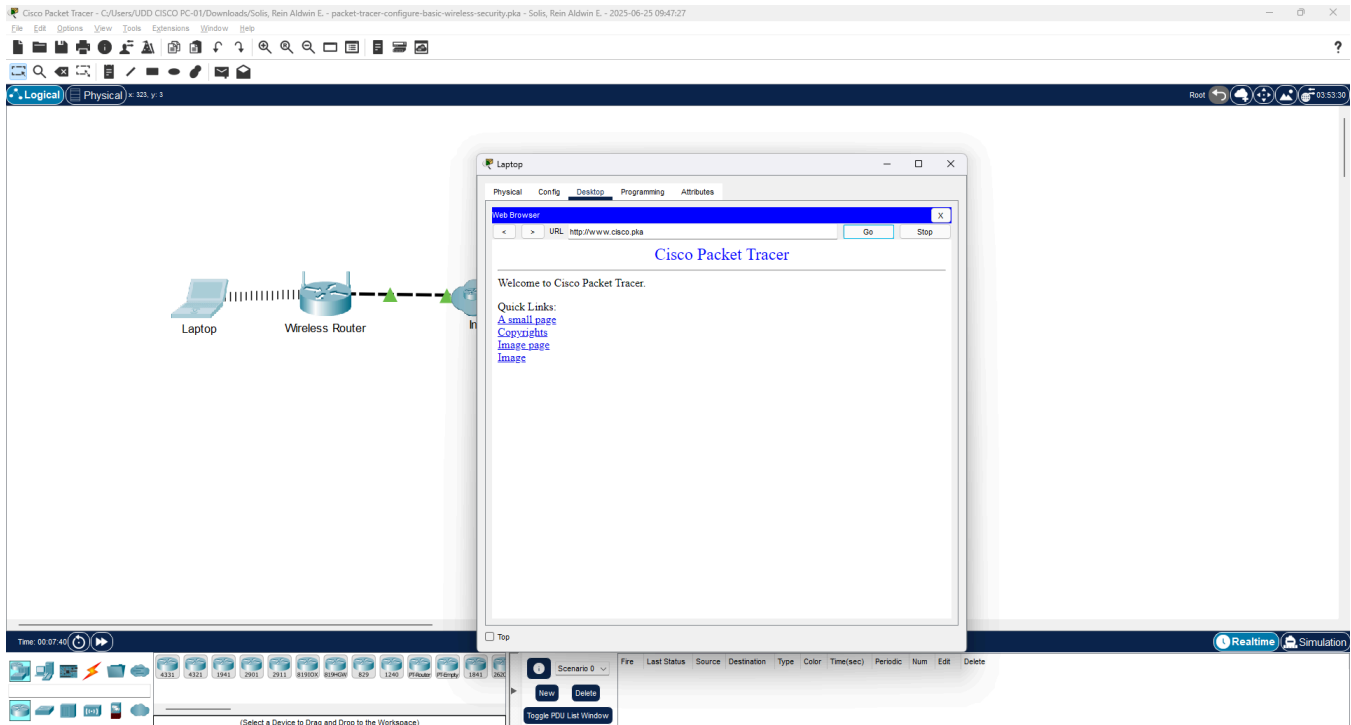


- d. Close the **PC Wireless** window.

Part 4: Verify connectivity.

- a. Access the **Web Browser**.

- b. Enter **www.cisco.pka** into the URL. Verify that the web page displays after the addition of basic wireless configuration.



- c. If you are unable to access the web page, verify your wireless settings on the wireless router and the laptop. Also verify that laptop is connected to the wireless router.

Cisco Packet Tracer - C:\Users\yeinx\Downloads\REIN ALDWIN SOLIS - 5.3.10 Packet Tracer Configure Basic Wireless Security.pka - Solis, Rein Aldwin E. - 2025-06-25 09:47:27

File Edit Options View Tools Extensions Window Help

Logical Physical x 10, y 501

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Background / Scenario
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Instructions

Part 1: Verify connectivity.

- Access the Desktop > Web Browser on the laptop.
- Enter `www.cisco.pka` into the URL. The web page should display.

Part 2: Configure basic wireless security.

- Enter `192.168.1.1` in the web browser to access the wireless router. Enter `admin` as the username and password.
- Click **Wireless** menu. Select **Wireless Security** menu.
- The security mode is disabled currently. For 2.4 GHz network, change the security mode to **WPA2 Personal**. For the 5 GHz networks, you can leave them as disabled.
- In the Passphrase field, enter `Network123`.
- Scroll down to the bottom of the page and click **Save Settings**. Close the web browser.

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- Close the **PC Wireless** window.

Part 4: Verify connectivity.

- Access the **Web Browser**.
- Enter `www.cisco.pka` into the URL. Verify that the web page displays after the addition of

Time Elapsed: 00:06:42 Completion: 100%

Back 1/1 Next

Time: 00:00:25


Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

(Select a Device to Pin and Pin to the Workbench)



Packet Tracer 5.3.10:

https://drive.google.com/file/d/1mztP-QLgxpF9gdpHIs65PcRxoGqU5vqh/view?usp=drive_link