

1. 4.4.4Configure a Wireless Router and Client

Cisco Packet Tracer - C:\Users\USER\Downloads\Configure a Wireless Router and Client.pka - Guest - 2025-10-24 15:31:39

File Edit Options View Tools Extensions Window Help

Logical Physical 1220m, 71324m Home Network

Scroll back to the top of the window, and then click the **Wireless Security** under the **Wireless** tab.

- e. Notice that security is currently disabled on all three wireless networks. You are only using the **2.4 GHz** network. Click the dropdown menu for the **2.4 GHz** network and select **WPA2 Personal**. This is the strongest security that this router offers for wireless networks.
- f. More settings are revealed. WPA2 Personal requires a passphrase that must be entered by anyone who wants to connect to the wireless network. Enter **MyPassPhrase1!** as the **Passphrase**. Note that capitalization is important.
- g. Scroll to the bottom of the page and click **Save Settings**, and then close the **Web Browser** for the Office PC.

Part 3: Configure IP Addressing and Test Connectivity

Now that the router is configured, in this part you will configure IP addressing for the PCs and laptop and verify that they can connect to the internet.

Step 1: Connect the laptop to the wireless network.

- a. Click the **Laptop** in the living room, and then the **Desktop** tab > **PC Wireless**.
- b. Click the **Connect** tab. After a short delay you should see the wireless network that you configured previously appear in the list of wireless network names.
- c. Click the name of the network that you created, and then click the **Connect** button.
- d. Enter the passphrase that you configured early for the wireless network in the **Passphrase Key** field and then click **Connect**.

Time Elapsed: 00:11:49 Completion: 100%

Check Results Back 1/1 Next

Time: 00:15:42

Scenario 0 Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete Toggle POI List Window

Copper Straight-Through

Rainy days ahead 30°C

ENG US 3:43 pm 24/10/2025

2. 8.1.3Connect to a Web Server

Cisco Packet Tracer - C:\Users\USER\OneDrive\Documents\VILLALOBOS, RAFAEL P\Connect to a Web Server.pka - Guest - 2025-10-05 23:52:06

File Edit Options View Tools Extensions Window Help

Activity Results

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

Congratulations on completing this activity!

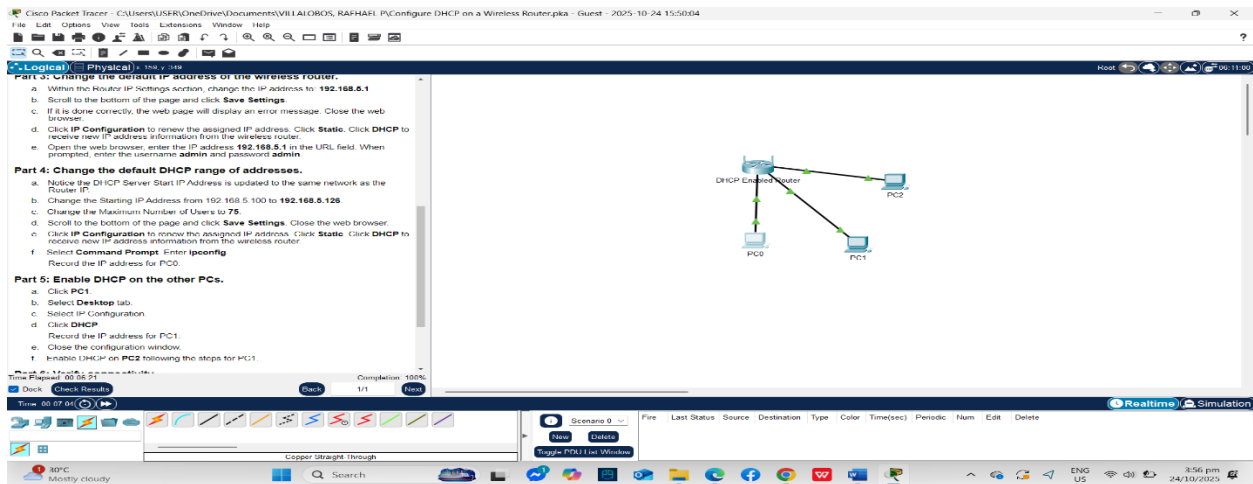
Time Elapsed: 00:02:53

Close

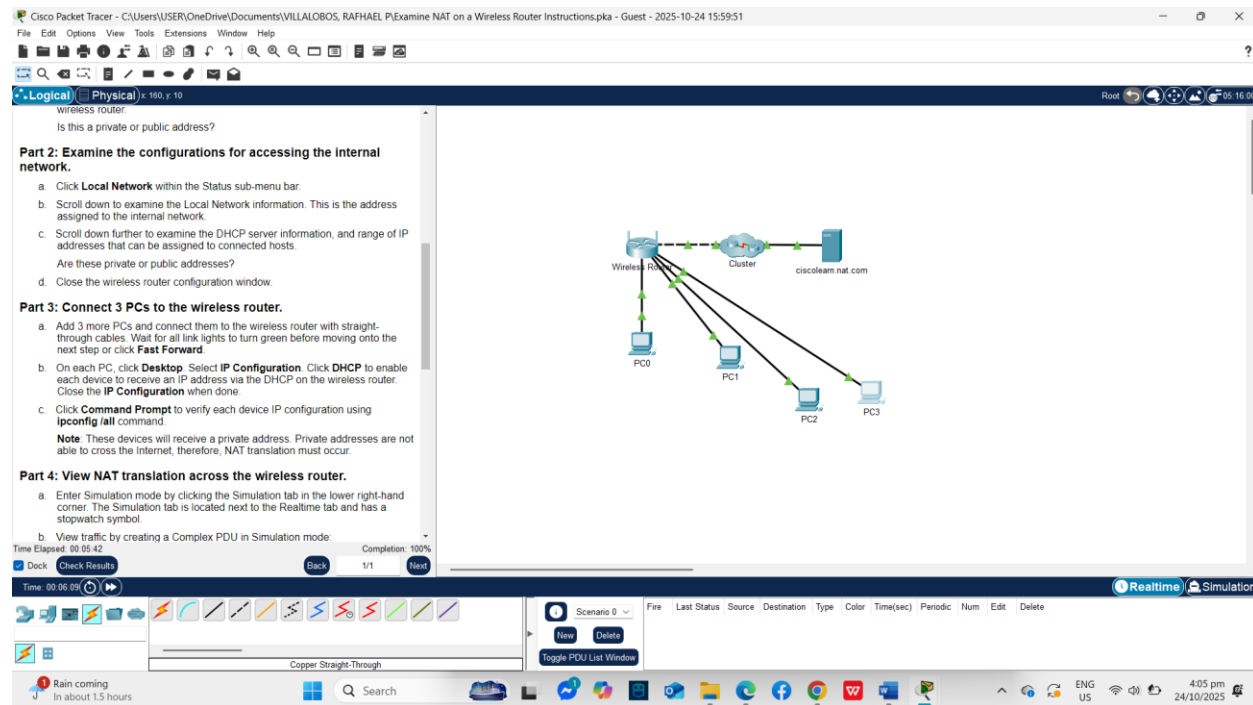
2 cm of rain In 3 hours

ENG US 3:48 pm 24/10/2025

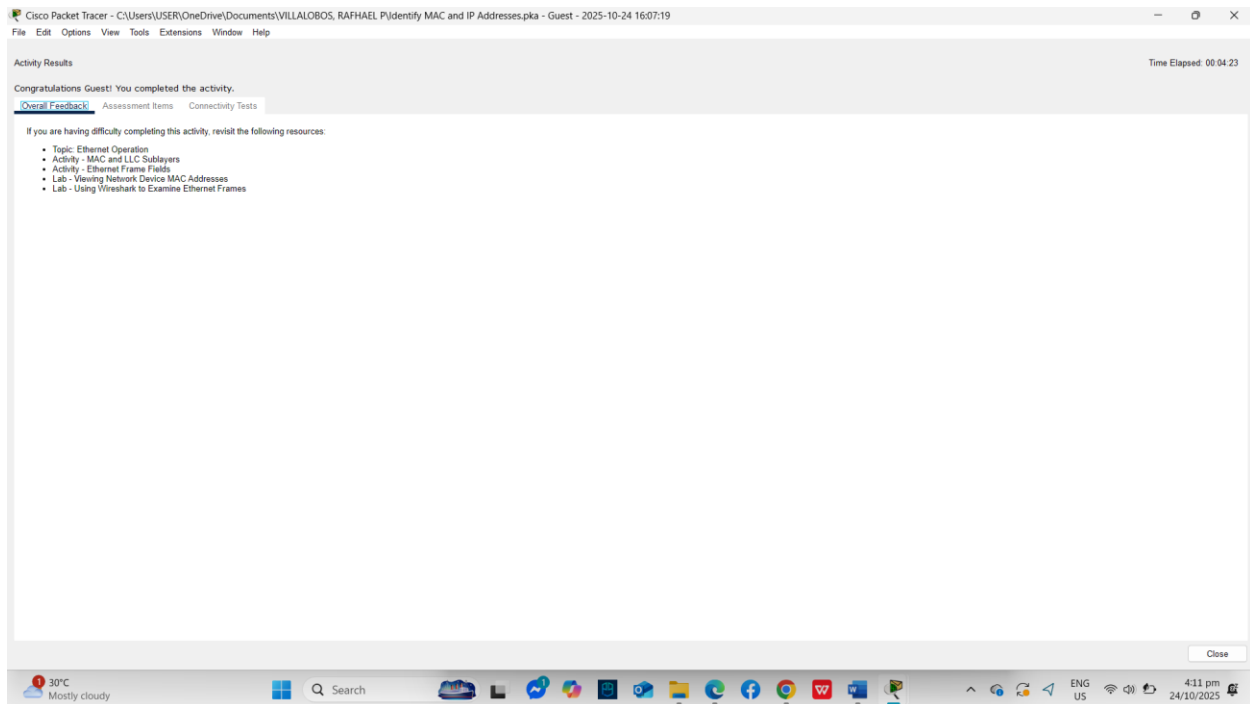
3. 11.2.3 Configure DHCP on a Wireless Router



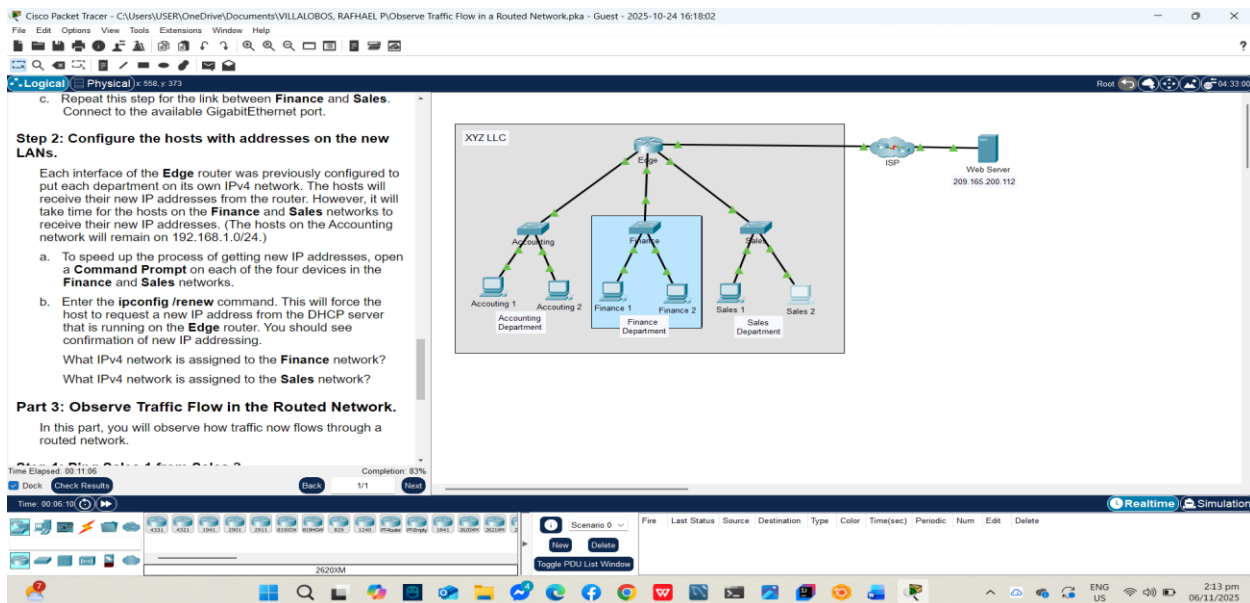
4. 12.2.2 Examine NAT on a Wireless Router



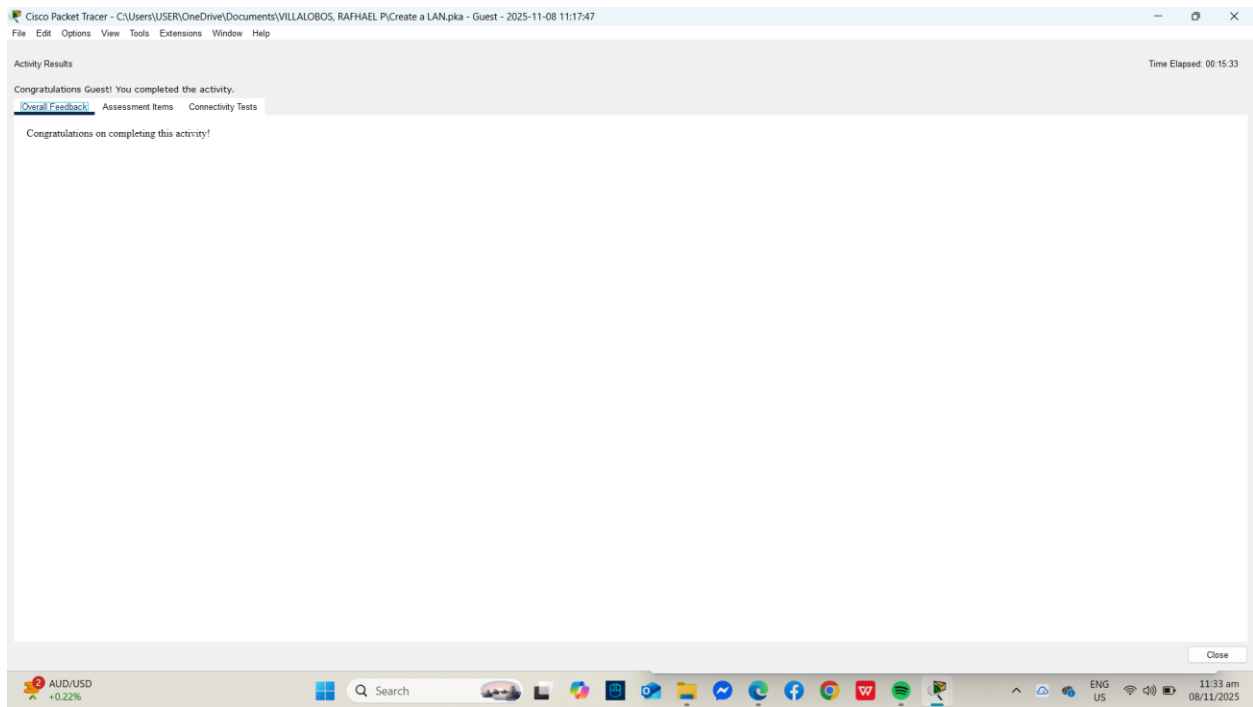
5. 13.1.3Identify MAC and IP Addresses



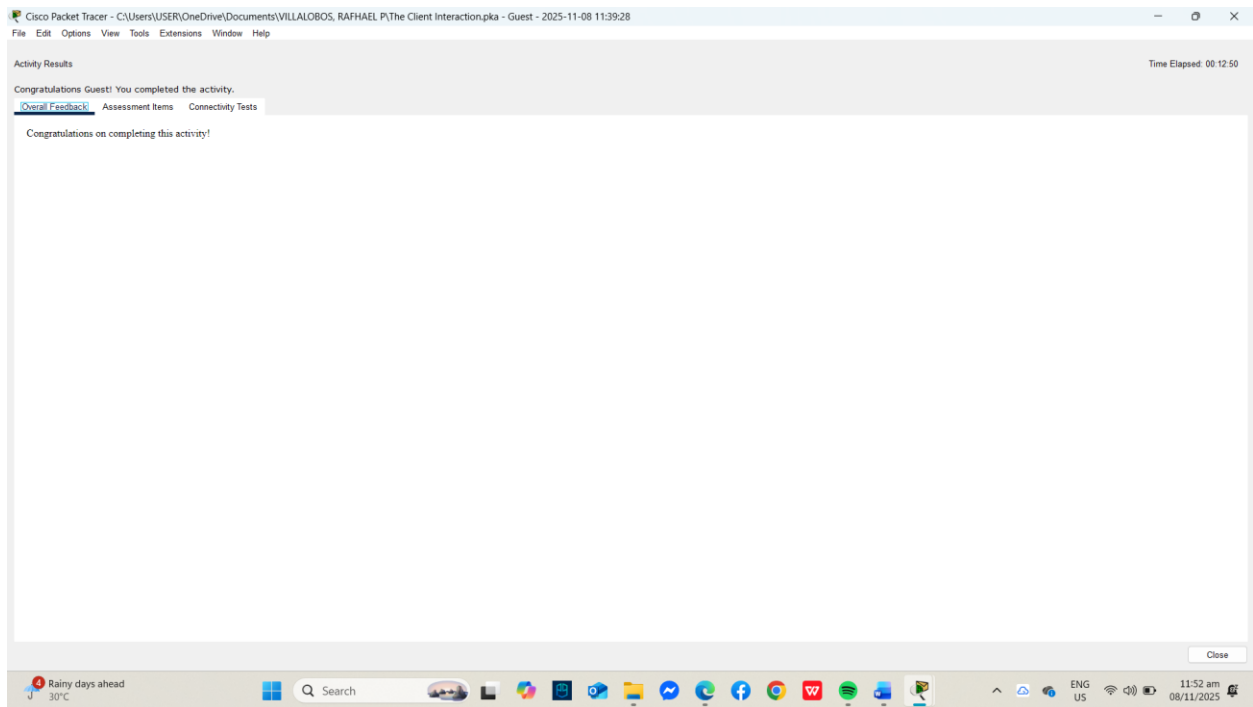
6. 14.3.3Observe Traffic Flow in a Routed Network



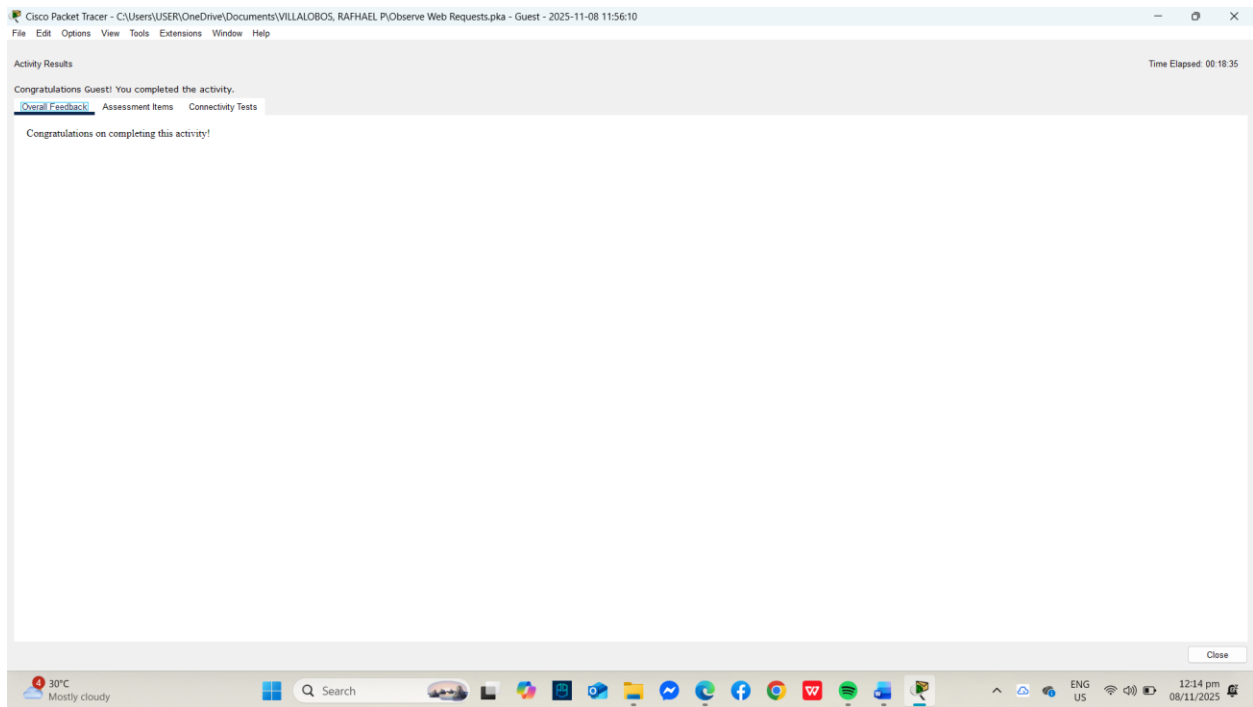
7. 14.3.4 Packet Tracer - Create a LAN



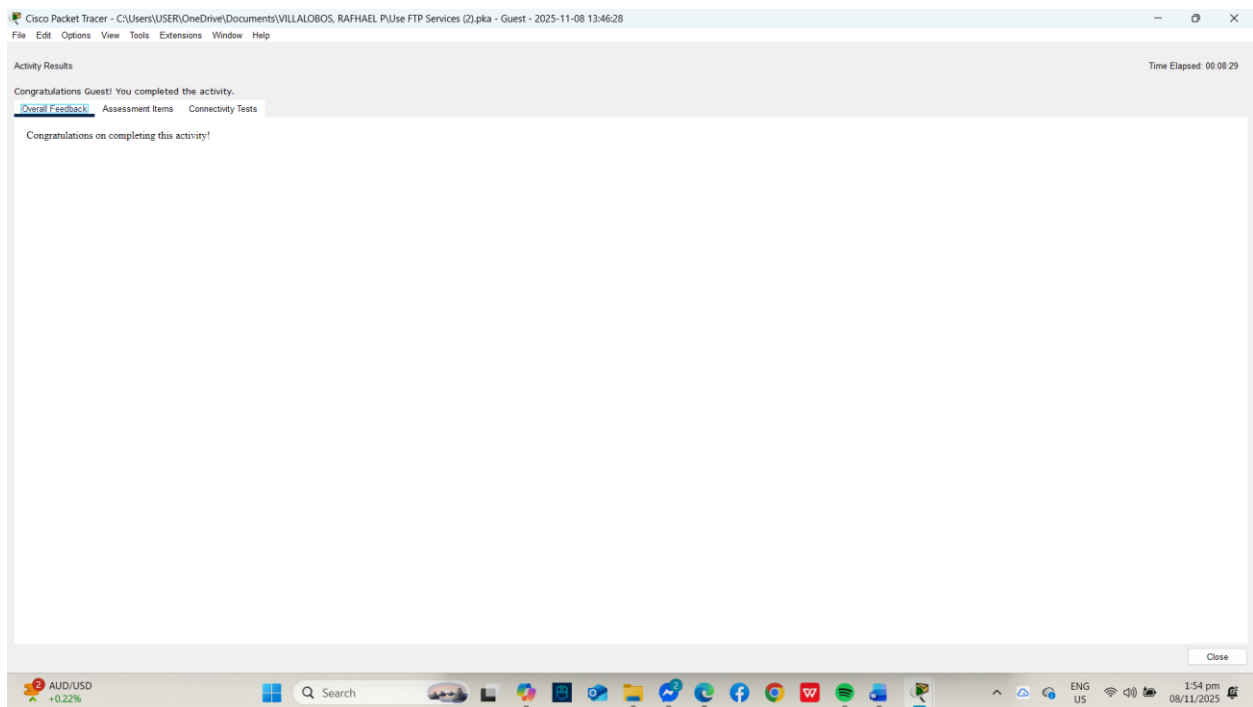
8. 16.1.5 Packet Tracer - The Client Interaction



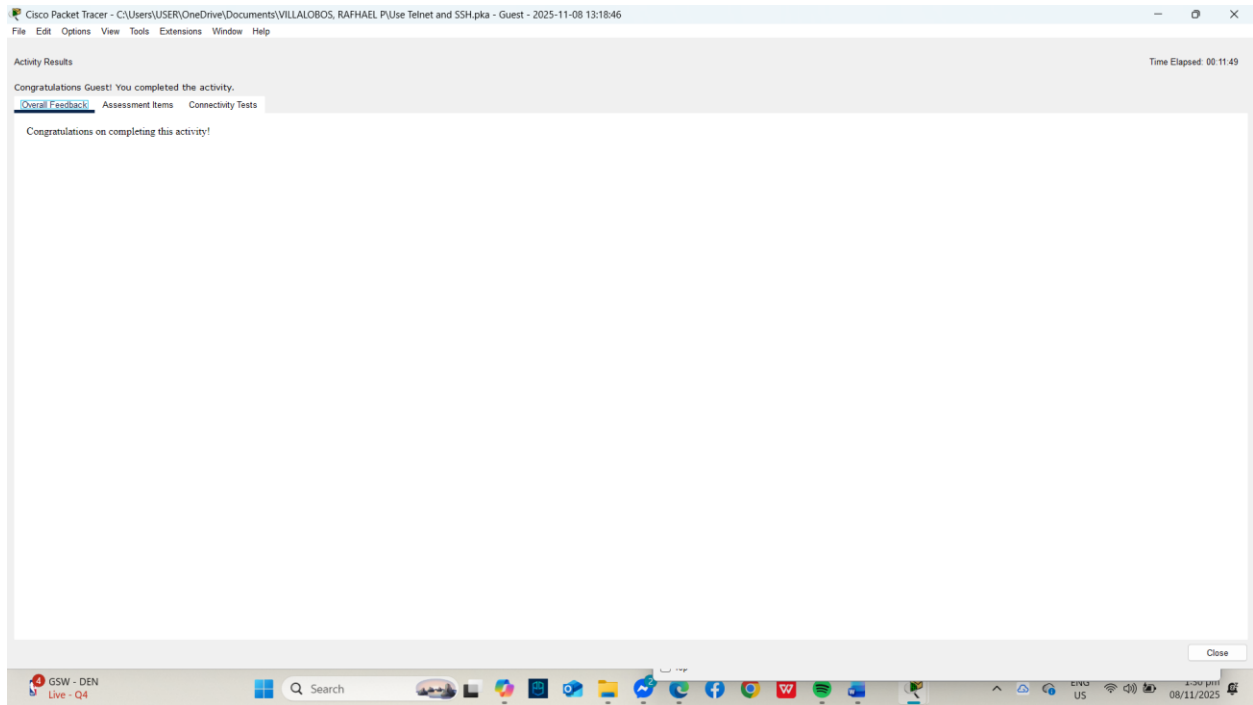
9. 16.4.3 Packet Tracer - Observe Web Request



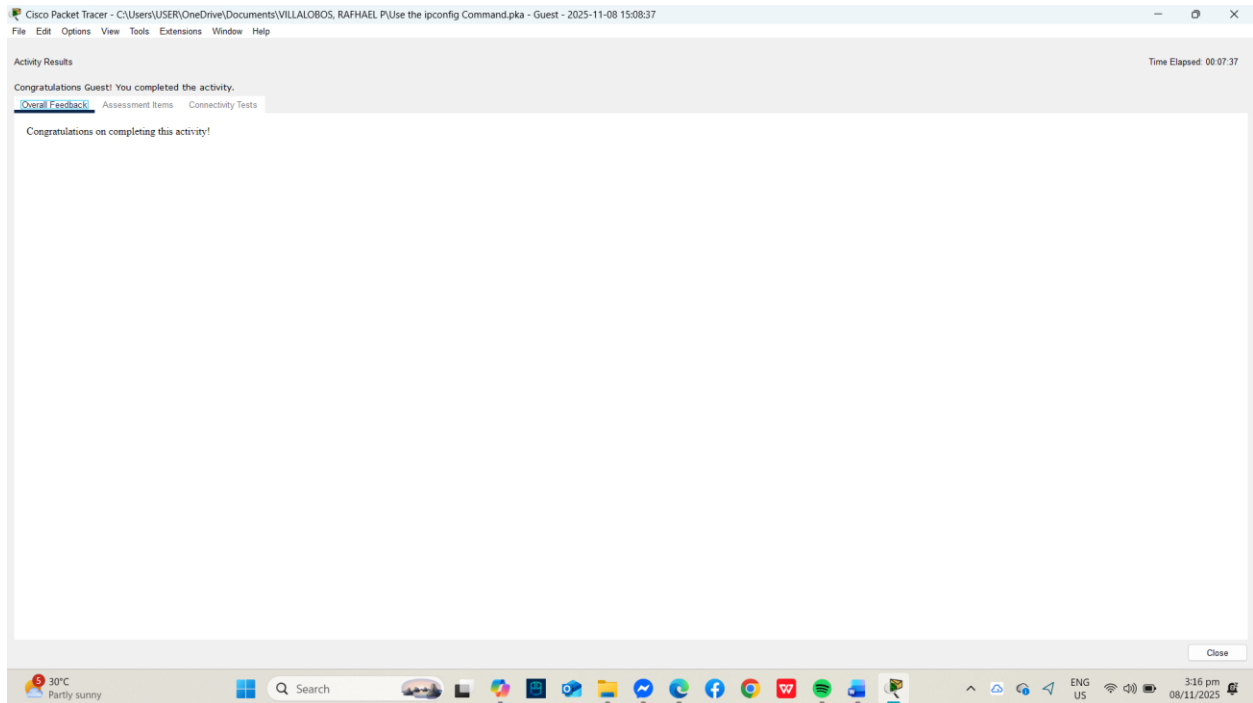
10. 16.5.3 Packet Tracer - Use FTP Services



11. 16.6.4 Packet Tracer - Use Telnet and SSH



12. 17.1.3 Packet Tracer - Use the ipconfig Command



13. 17.1.6 Packet Tracer - Use the ping Command

