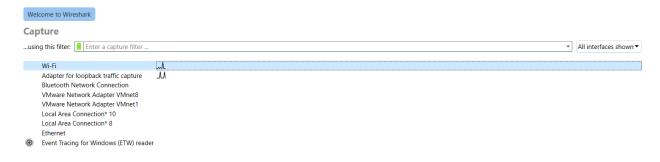
Capture and Analyze the TCP Three-Way Handshake in Wireshark

Step 1: Open Wireshark

- · Open Wireshark.
- Select your Wi-Fi**

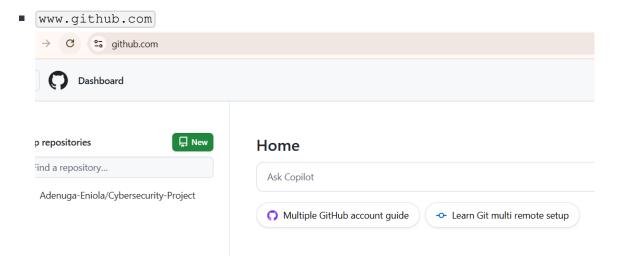


**

Step 2: Open a New Connection

 While Wireshark is capturing, open a completely new website that you have not visited recently.

Examples:



Step 3: Stop Capturing

- Once the page loads, go back to Wireshark.
- Click the red square Stop button to stop the capture.

In the Wireshark filter bar at the top, type:

```
Step 4: Filter TCP Packets

`tcp`
and press **Enter**.

Now you will only see TCP packets — much easier!

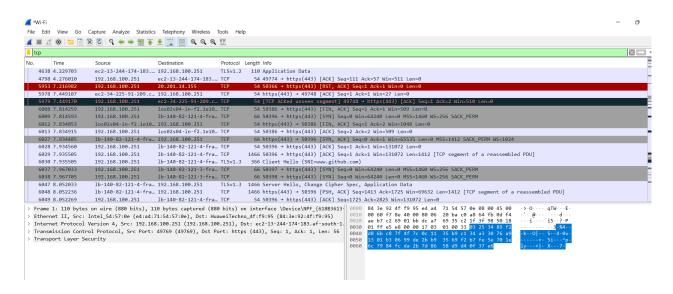
<img src="_resources/8c8594dd34b54005b220519befee7229.png"
alt="b9f85a27f99765a92fe76a2eac3bf9b0.png" width="578"
height="259" class="jop-noMdConv">
```

Step 4: Find the Three-Way Handshake

Now look carefully:

Look in the "Info" column for these patterns:

| Packet Type | What You Will See |
|-------------|-------------------------|
| SYN | Something like SYN |
| SYN-ACK | Something like SYN, ACK |
| ACK | Something like ACK |



Step 5: Bonus - Follow the TCP Stream

Right-click on any TCP request packet.

• Click "Follow" > "TCP Stream".

