

Man-in-the-Middle (MITM) by using WIERSHARK

Introduction:

➤ What is MITM Attack ?

A Man-in-the-Middle (MITM) attack occurs when an attacker intercepts communication between two parties to steal, modify, or monitor data without their knowledge.

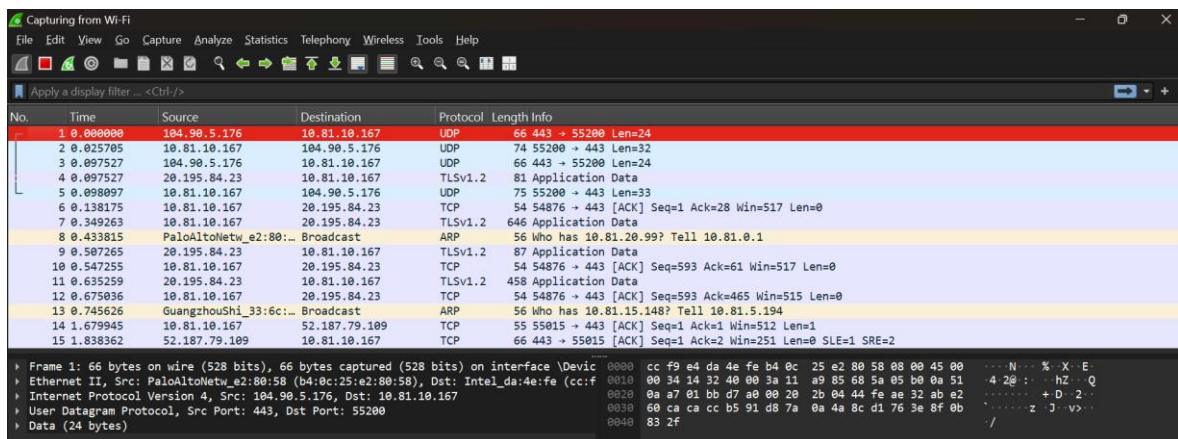
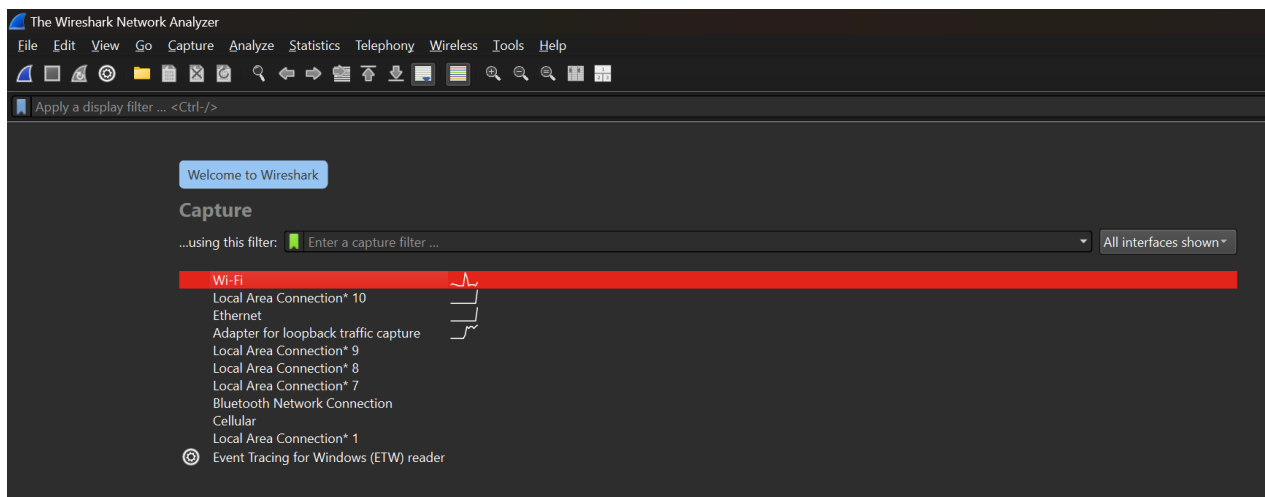
➤ How does MITM Work ?

1. The attacker positions themselves between the victim and the network.
2. The victim unknowingly communicates through the attacker's system.
3. If the communication is unencrypted (HTTP), the attacker can read and modify the data.
4. This can lead to credential theft, session hijacking, or data manipulation.

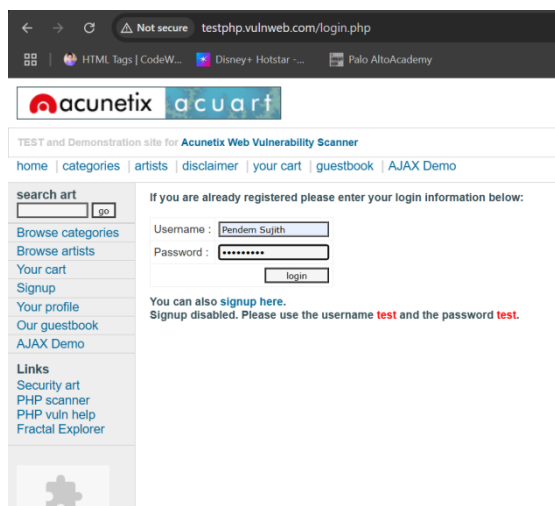
Step-by-step Process for MITM Attack:

Step-01: Set up Wireshark

1. Open Wireshark.
2. Select the network interface (e.g, wifi option)
3. Double click on it for open , when it open it start capturing the packets.



Step-02: Now go to chrome browser and search for “vulnweb login page”, here the login page will open and fill the details and click on login.



Step-03: In step-03 now go to wireshark in these all the packages

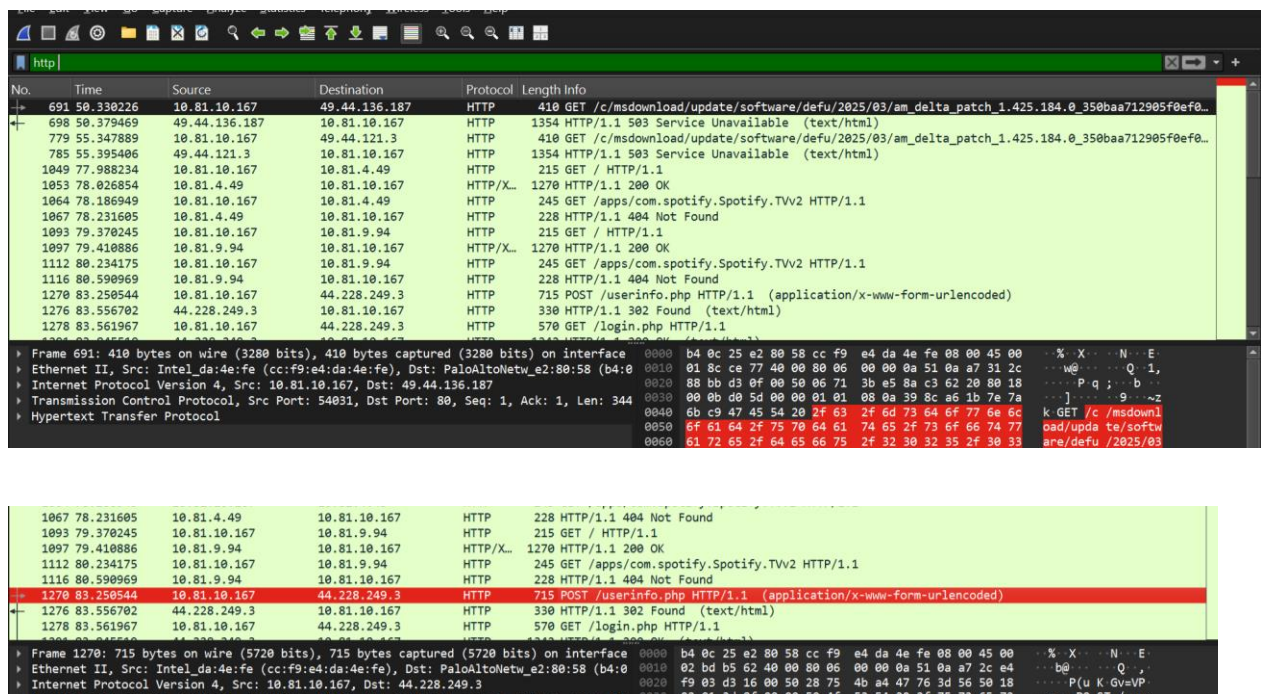
loading one by one which are connected with wifi it shows

that packages, then stop the loading package.

Step-04: In step-04 now we have find our login website in from all

packages for that we use filter.

- In filter search for “http”. It filters all the http websites.
- In these filter we have go to info in info search for “POST”, because the website is under post then we get our website package.



- That red part is our website login credentials package then double click on it then it will open.

- After opening in these we can see the login credentials with username and password.

