



Department of
Bachelor of Computer Applications

Ethical Hacking Fundamentals
Lab File – CA 12

Subject Code: 19BCA4C02L
Class: IInd Year IInd Semester

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Aim :

Practical to perform Network & Password Sniffing using Wireshark.

Requirements :

- Virtualisation Software
- Kali Linux 2022.1
- Basics of Wireshark
- Internet Connection

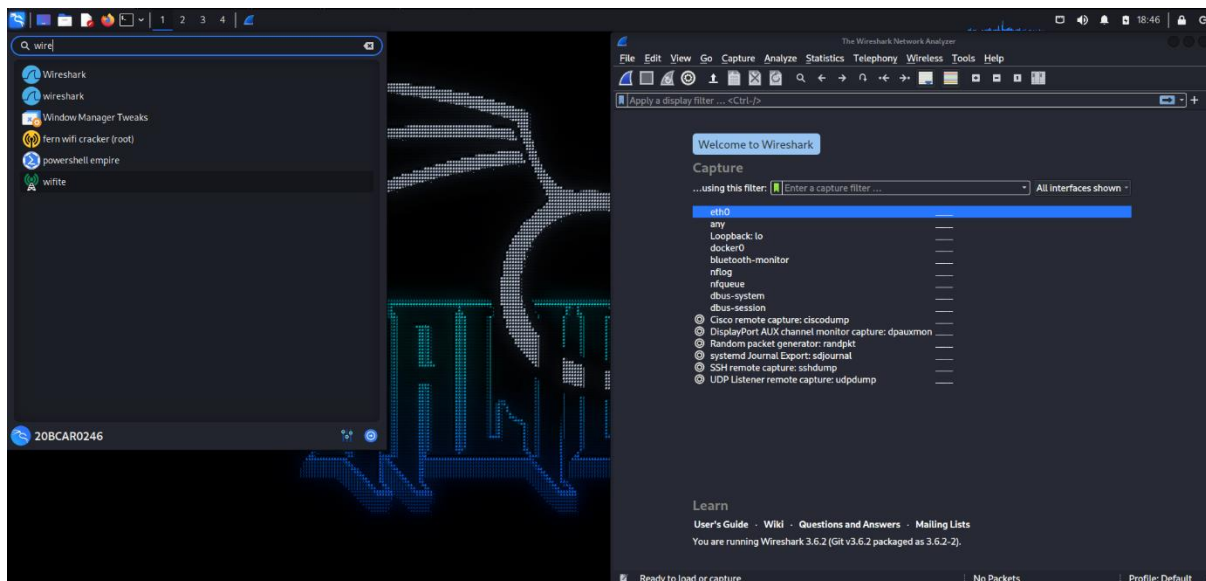
Objectives :

To capture packets and sniff data like password and username from vulnerable website

Procedure :

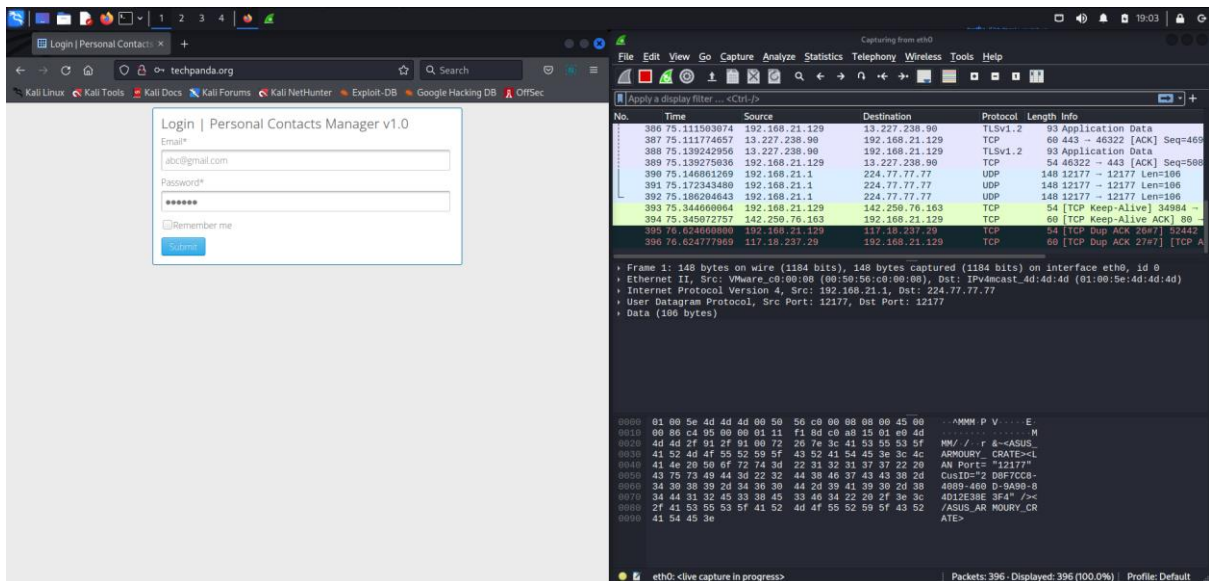
Basics

- 1> Since Wireshark comes pre-installed in Kali Linux, we are going to begin with searching it in Applications button.



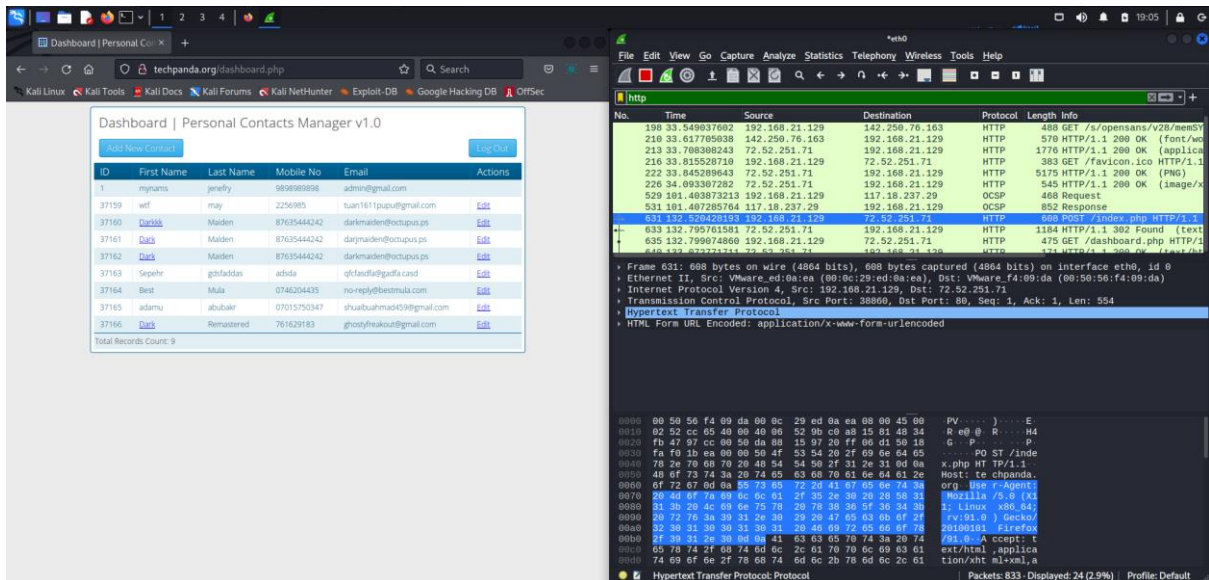
The window appears like this.

- 2> In Browser, head over to <http://www.techpanda.org> and login using the required credentials. Simultaneously, open `eth0` to start capturing packet transferring.

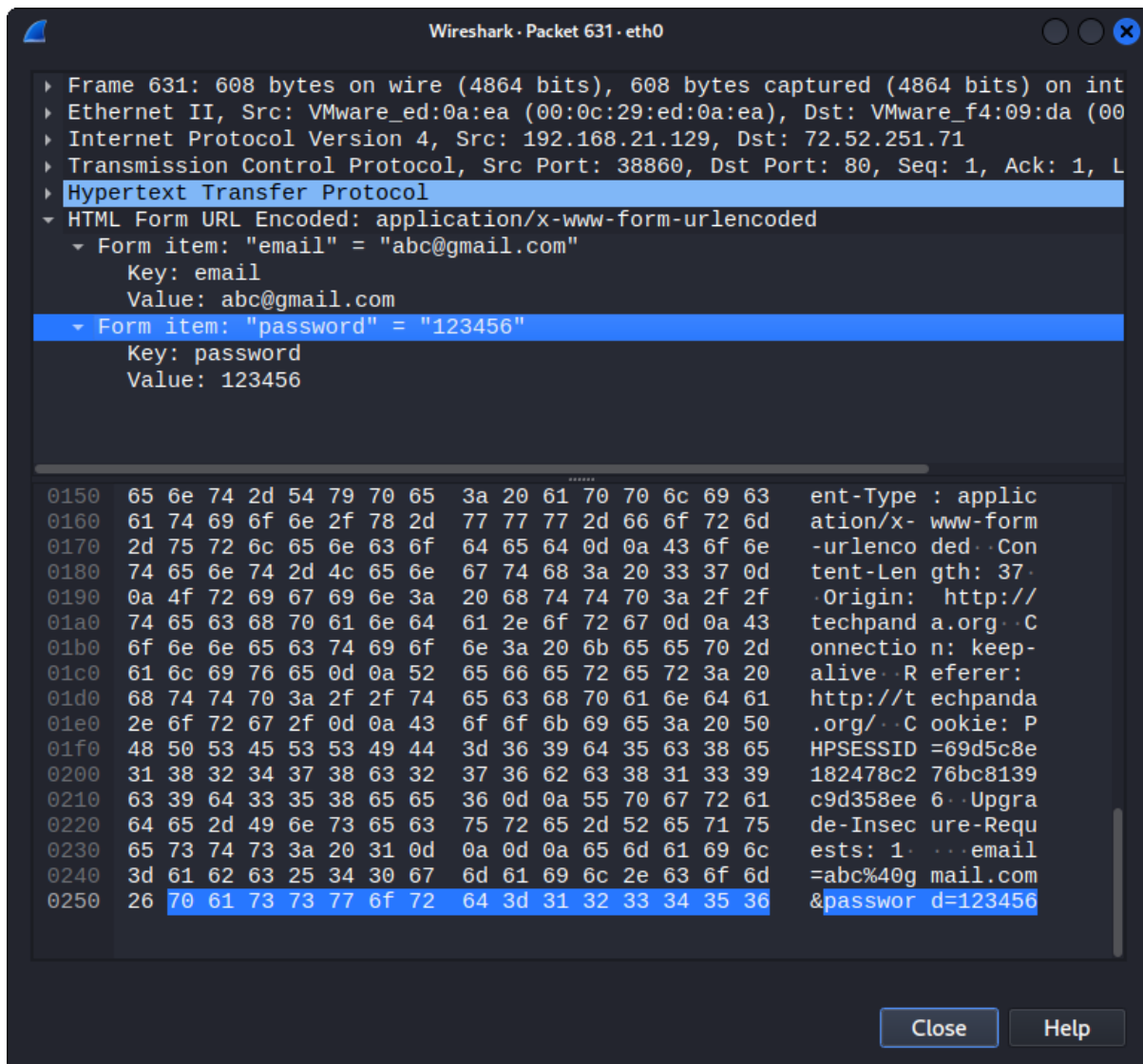


As we can see in the above image, every packet of ongoing transactions between the internet and the machine is being captured.

3> So, now, we will search in filters with `http` keyword. Double click on the entry which begins with `Post` as info after being logged into the website.



4> Opening HTML Form Encoded section we get our desired result.



Conclusion :

In this practical, we used Wireshark to capture password on techpanda.org website. Wireshark is the world's most foremost widely-used network protocol analyser. It helps to see what's happening on our network at a microscopic level and is the de facto standard across many commercial and non-profit enterprises, government agencies and educational institutions.