

## Wireshark Task 1:

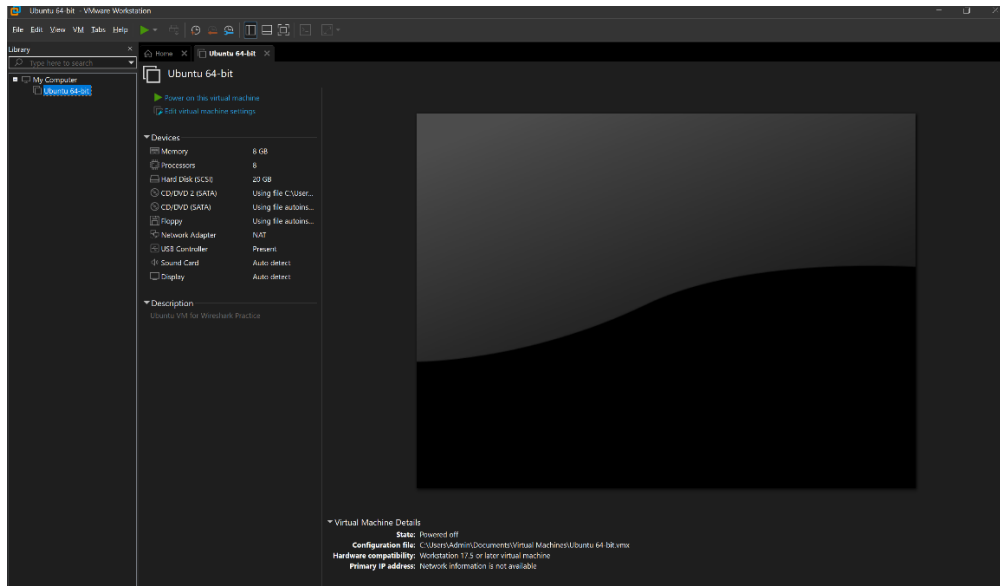


Figure 1

- In figure 1, I installed VMware Workstation, created the Ubuntu VM and provided it with 8 CPU cores, 8GB Memory and a 20GB Hard drive space

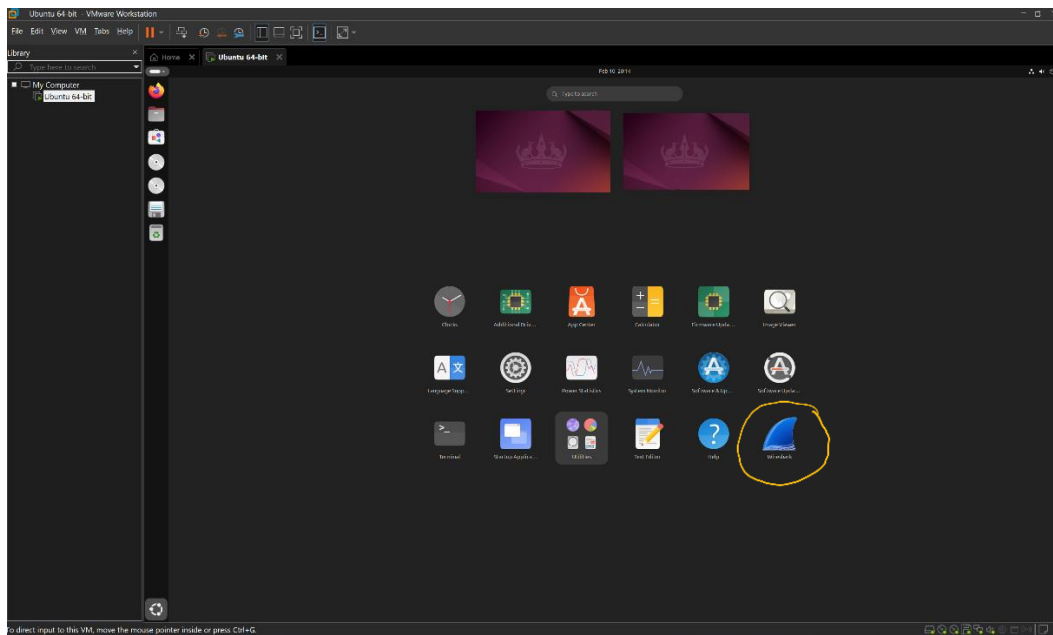


Figure 2

- In figure 2, I installed Wireshark for packet capture circled in yellow.

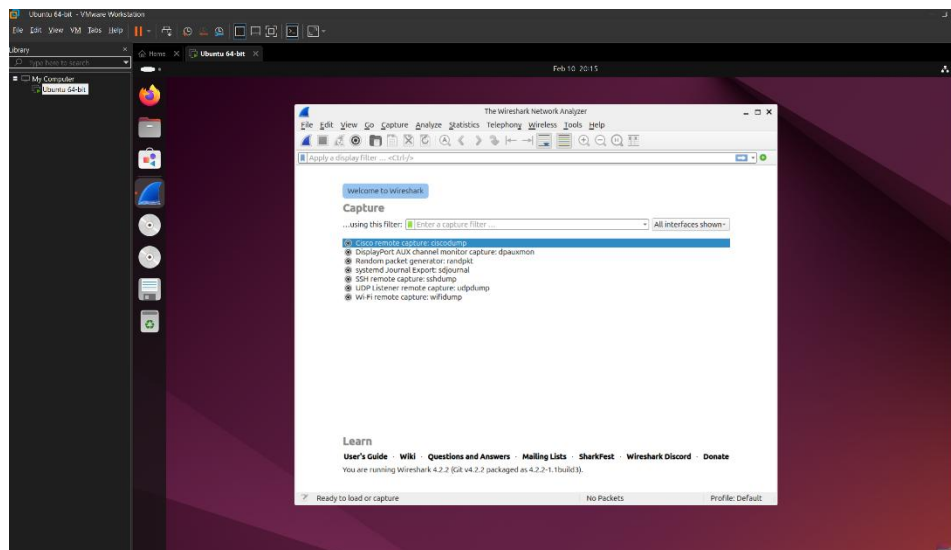


Figure 3

- In figure 3, Launching Wireshark without elevated privileges will not show my systems interfaces. It needs to be launched with Sudo privileges.

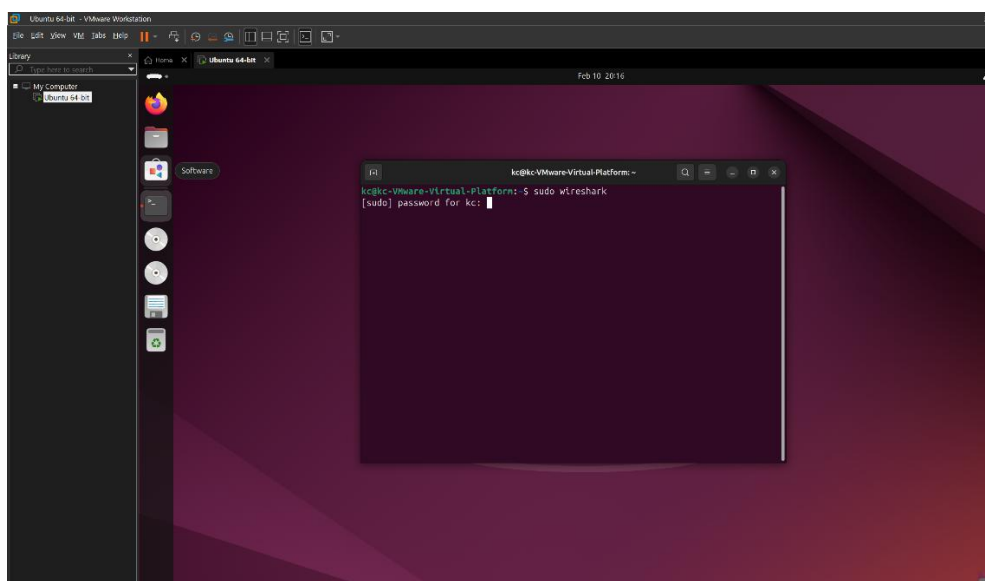


Figure 4

- In figure 4, I launched Wireshark with Sudo privileges.

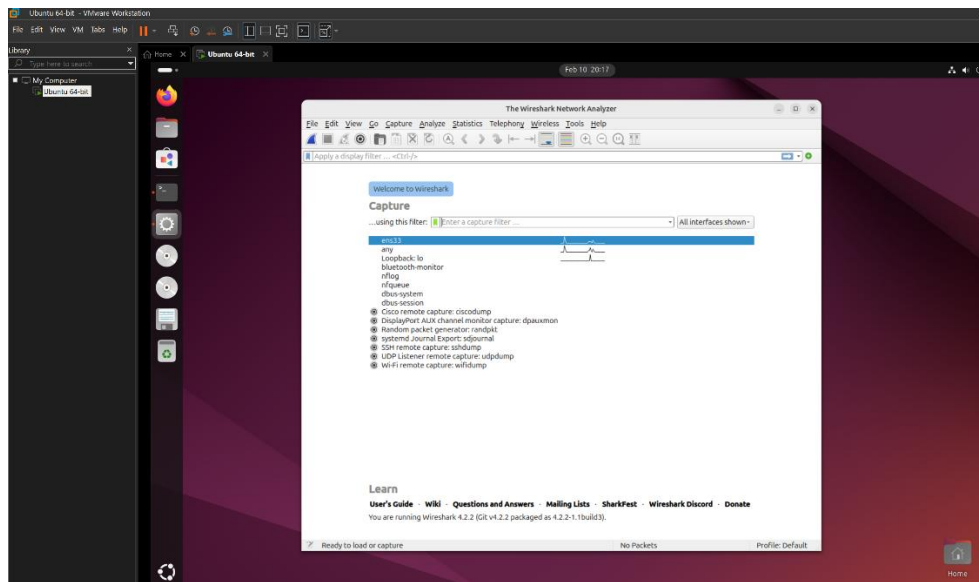


Figure 5

- I selected ens33, as my interface to monitor traffic in figure 5.

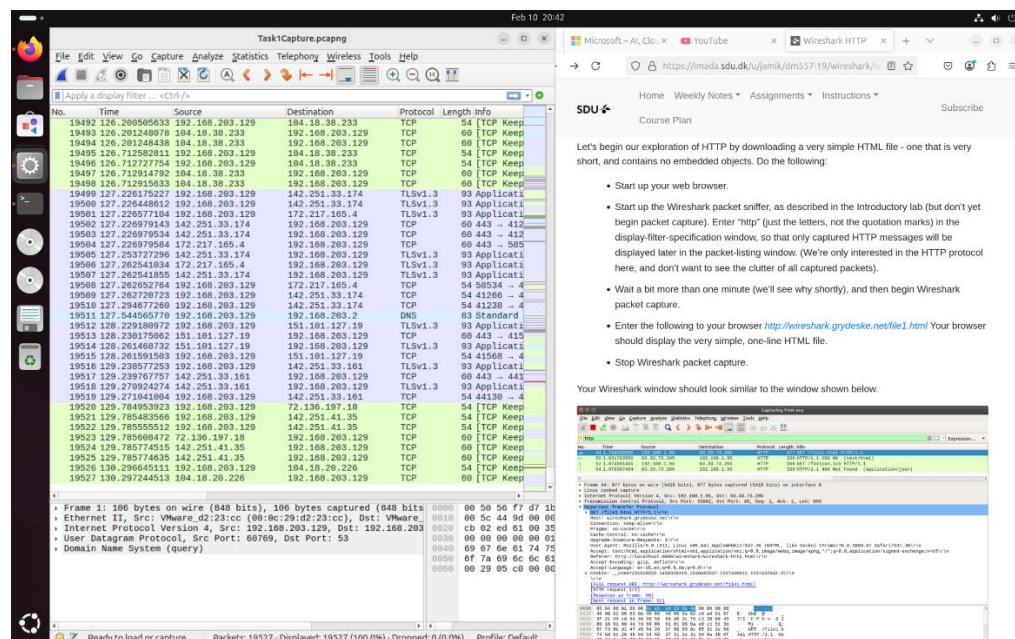


Figure 6

- Wireshark captured traffic packets running the TCP protocol, while browsing through various websites in figure 6.

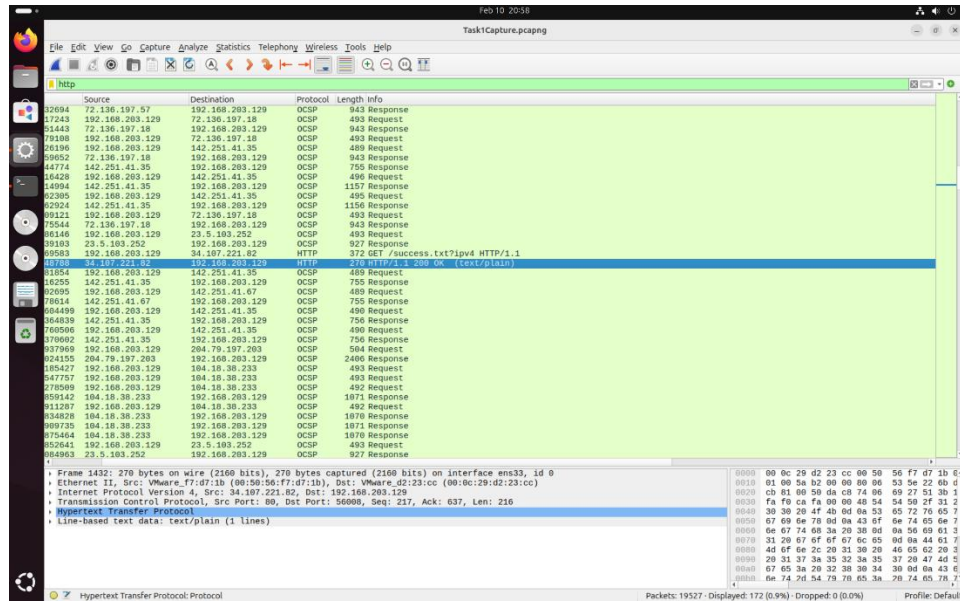
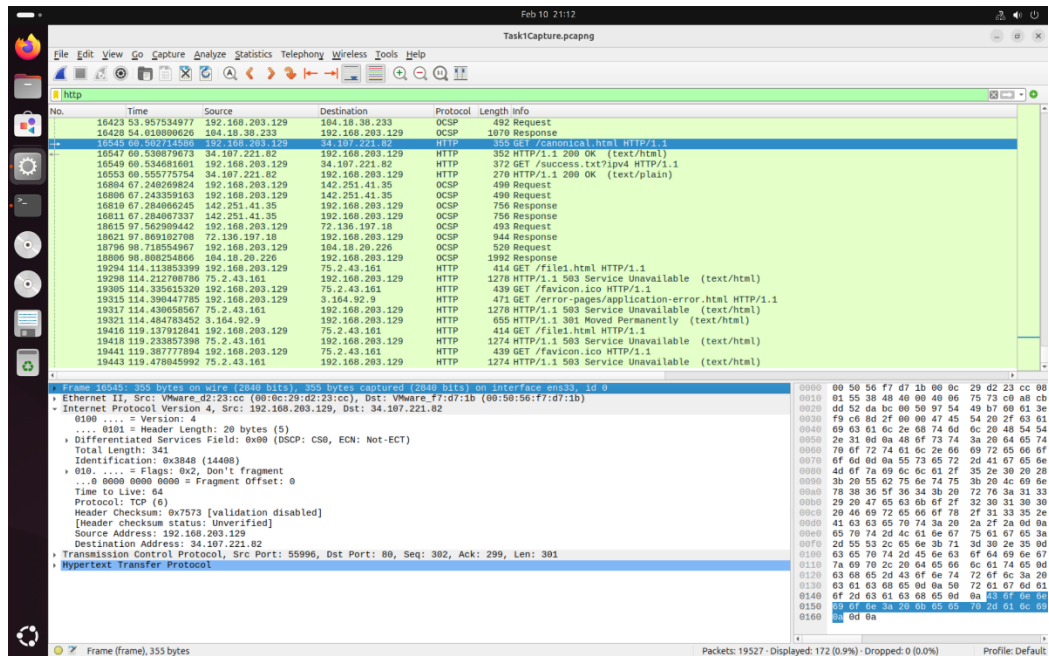


Figure 7

- I saved my capture and filtered for http protocol in figure 7.



- In figure 8, I observe that frame number 16545 has source Ip address: 192.168.203.129 (my ens33 interface) and destination address: 34.107.221.82 is a remote machine where GET method sent. It responded with an HTTP/1.1 200 OK message. The protocol used was TCP and the frame had a time to live of 64.