Al-Najah National University
Department of Engineering and Information technology
Computer Network and Information Security

Packet Sniffing Spoofing

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1 Photo

1. run tcpdump 1

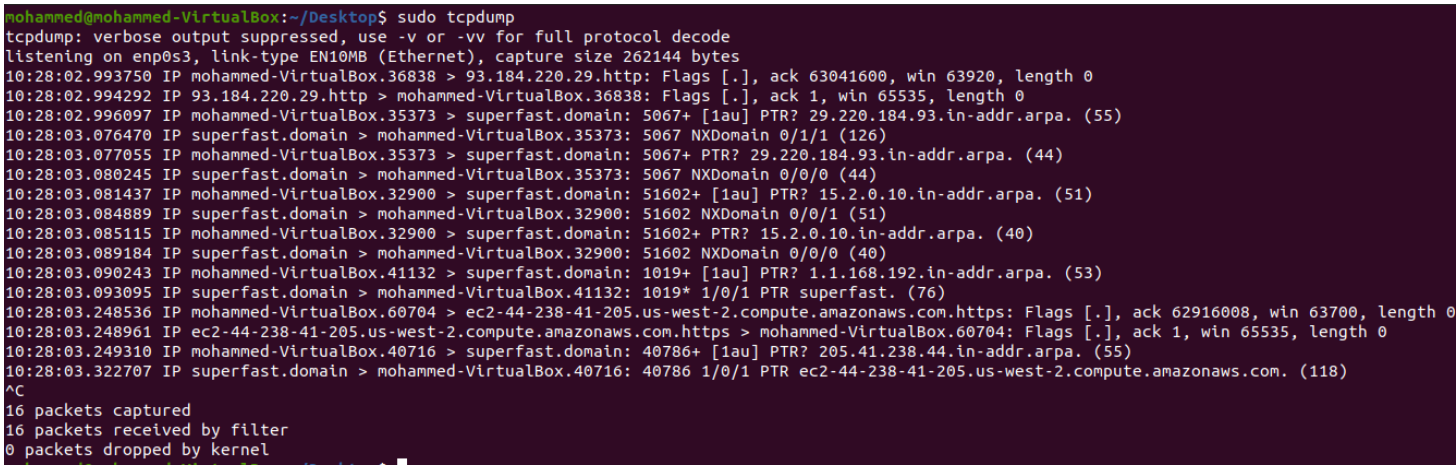

Figure 1

2. captuerd.log 2

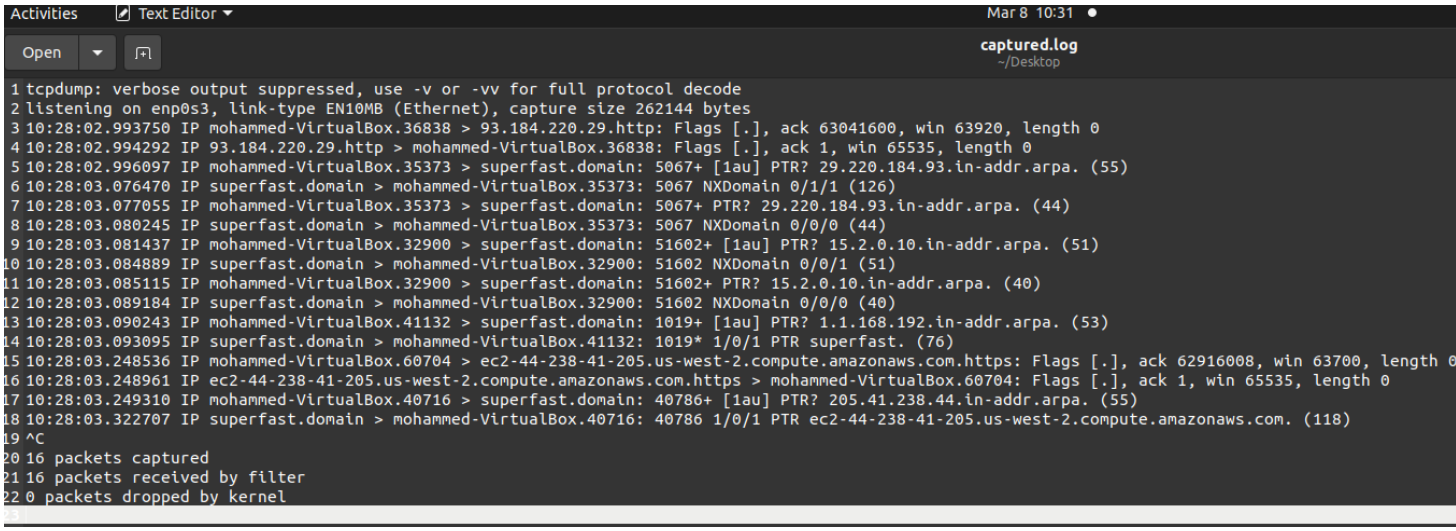

Figure 2

3. compile getinterface 3

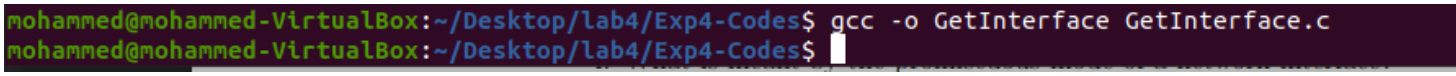

Figure 3

4. run Getinterface 4

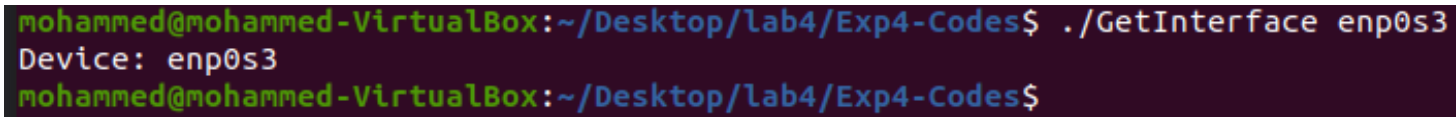

Figure 4

5. compile sniffer 5

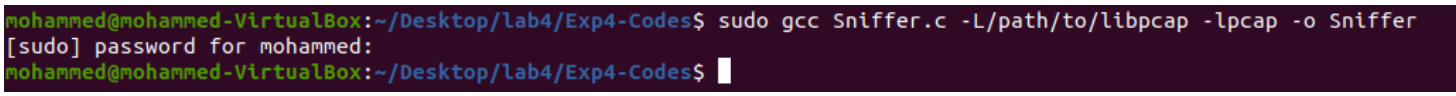

Figure 5

6. run sniffer 6

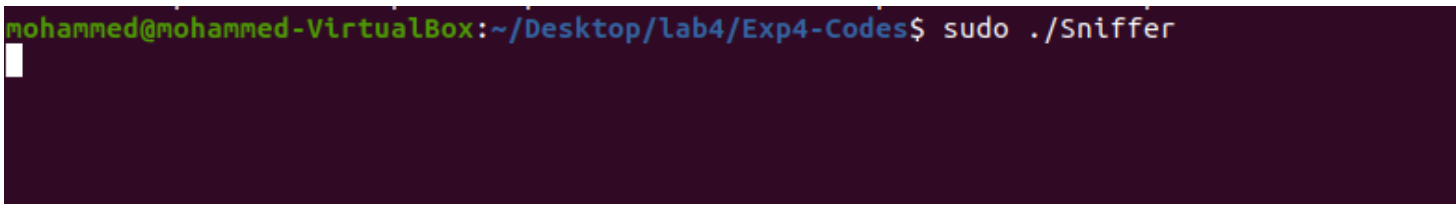

Figure 6

7. run sniffer after port 23 to 80 7

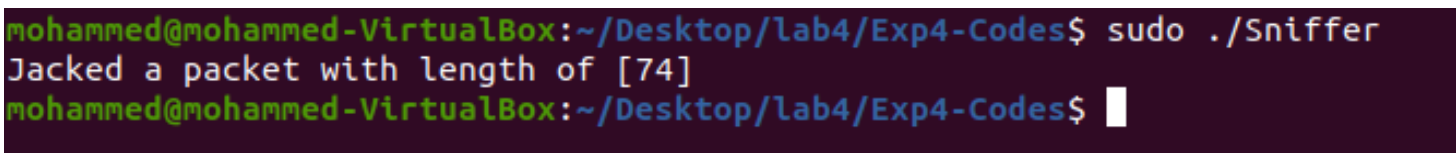

Figure 7

8. compile sniffex 8

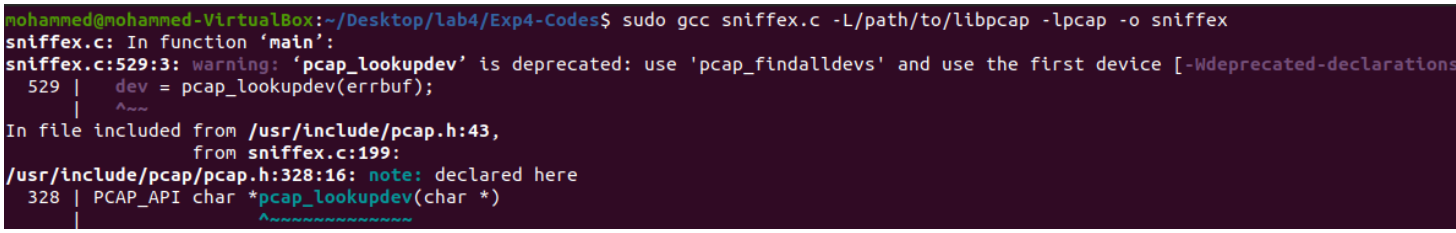

Figure 8

9. run sniffex 9,10

```
mohammed@mohammed-VirtualBox:~/Desktop/lab4/Exp4-Codes$ sudo ./sniffex
sniffex - Sniffer example using libpcap
Copyright (c) 2005 The Tcpdump Group
THERE IS ABSOLUTELY NO WARRANTY FOR THIS PROGRAM.

Device: enp0s3
Number of packets: 10
Filter expression: ip

Packet number 1:
       From: 10.0.2.15
         To: 34.217.242.117
   Protocol: TCP
   Src port: 37814
   Dst port: 443

Packet number 2:
       From: 34.217.242.117
         To: 10.0.2.15
   Protocol: TCP
   Src port: 443
   Dst port: 37814

Packet number 3:
       From: 10.0.2.15
         To: 192.168.1.1
   Protocol: UDP

Packet number 4:
       From: 192.168.1.1
         To: 10.0.2.15
   Protocol: UDP

Packet number 5:
       From: 10.0.2.15
         To: 192.168.1.1
   Protocol: UDP

Packet number 6:
       From: 192.168.1.1
         To: 10.0.2.15
   Protocol: UDP

Packet number 7:
       From: 10.0.2.15
         To: 192.168.1.1
```

Figure 9

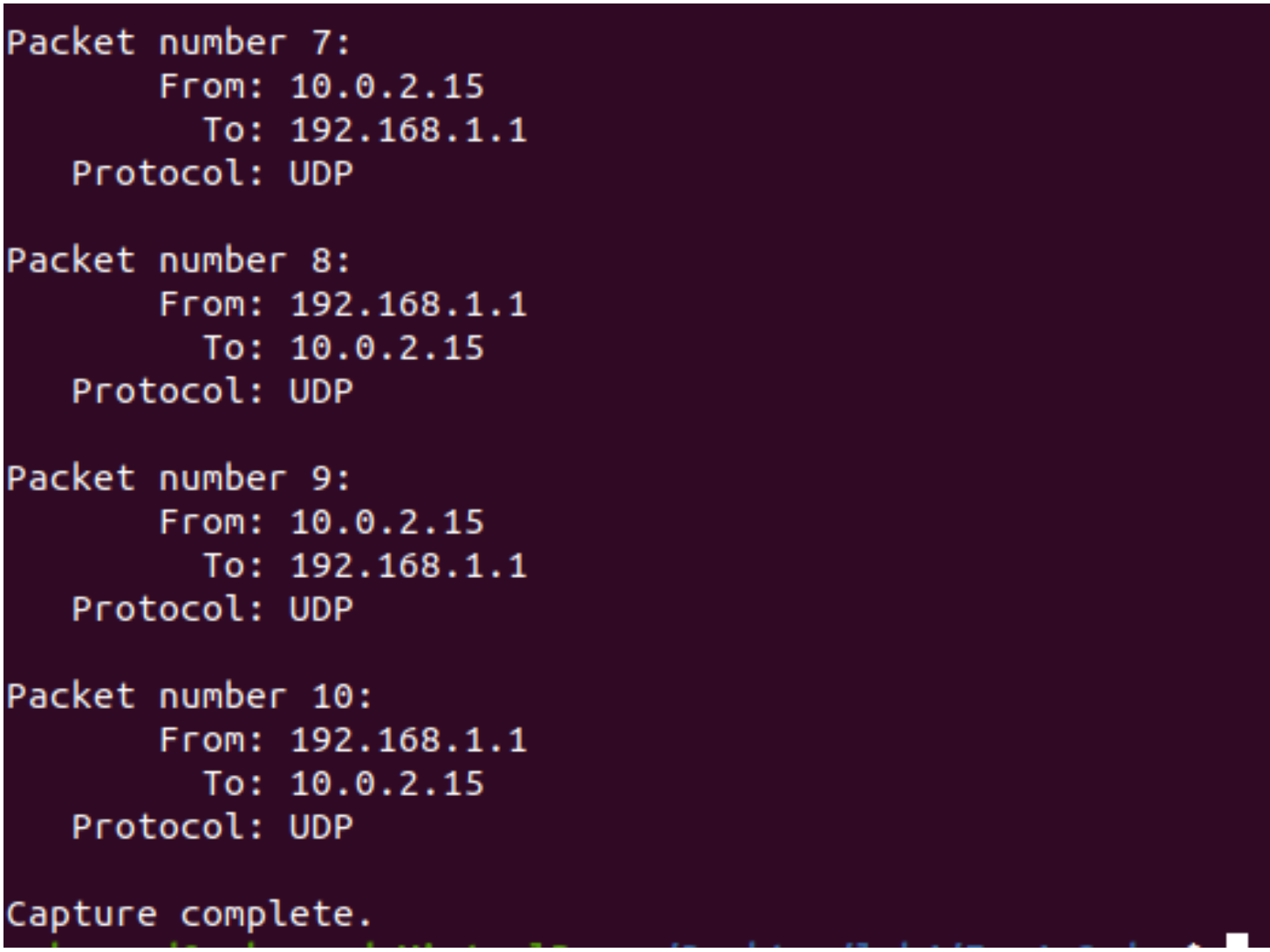
Packet number 7:
From: 10.0.2.15
To: 192.168.1.1
Protocol: UDP
Packet number 8:
From: 192.168.1.1
To: 10.0.2.15
Protocol: UDP
Packet number 9:
From: 10.0.2.15
To: 192.168.1.1
Protocol: UDP
Packet number 10:
From: 192.168.1.1
To: 10.0.2.15
Protocol: UDP
Capture complete.

Figure 10

10. We try to connect a telnet connection between two virtual as figures 11,12 and 13 show , but login is incorrect .

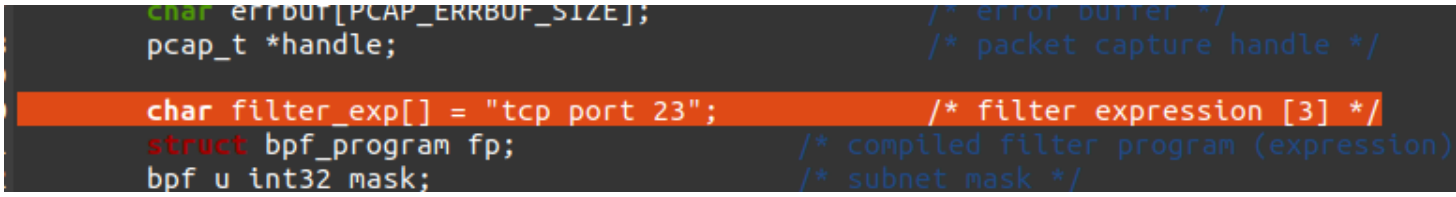

Figure 11

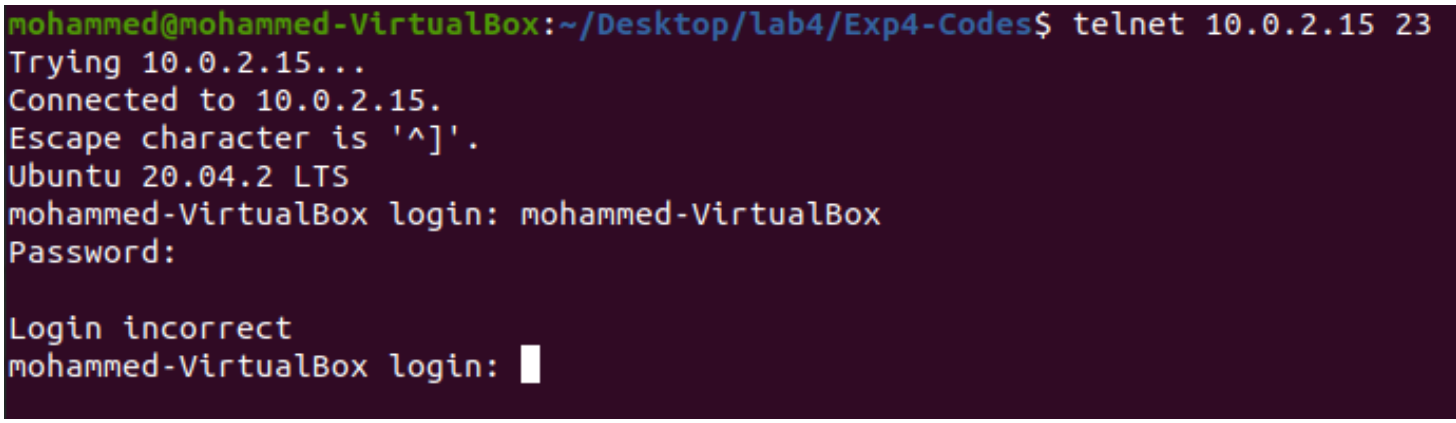

Figure 12

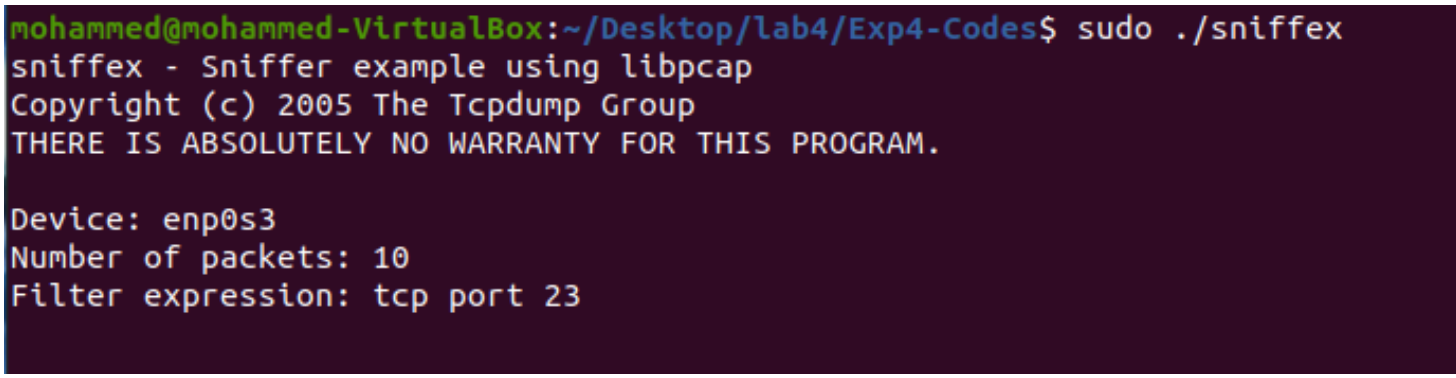

Figure 13

11. create an ICMP echo 14

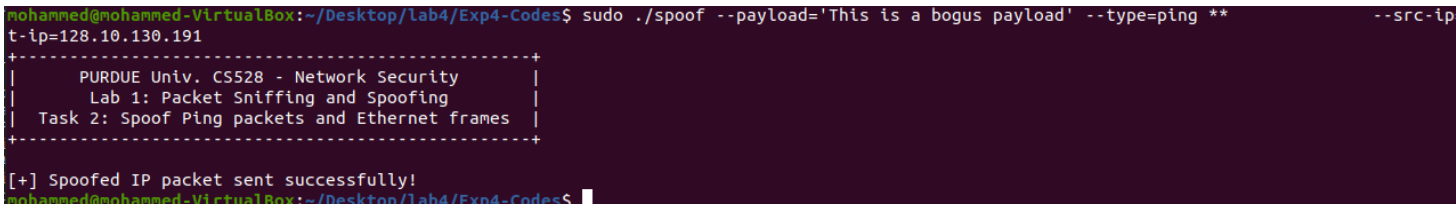

Figure 14

12. create an ICMP echo (using tcpdump) 15

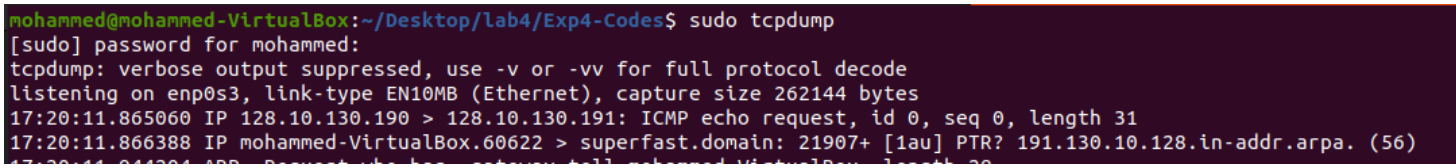

Figure 15

13. Ethernet frame 16 , 17

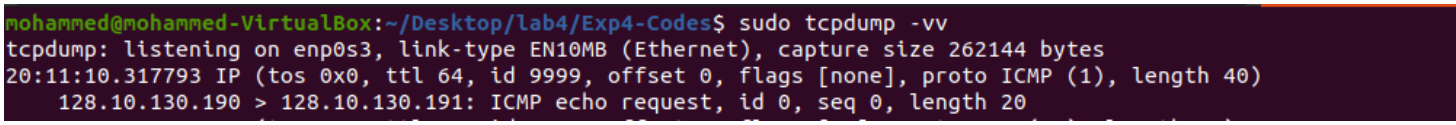

Figure 16

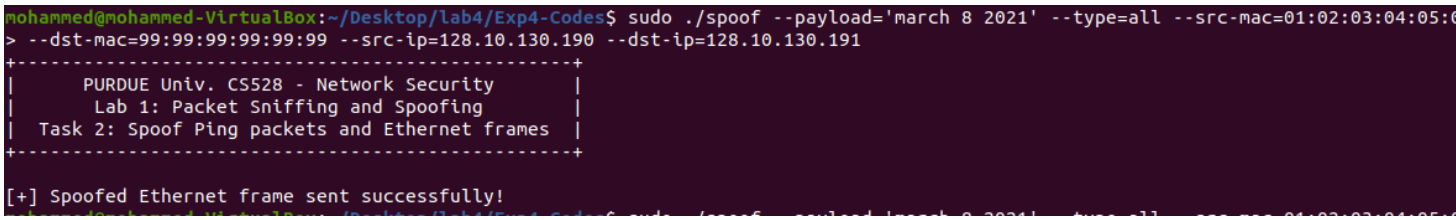

Figure 17