Project: System exploitation using Malware

Name: RIFAT MD IFTAKHAR HASAN

Batch Number: ES CEH 2402

Host machine: Linux

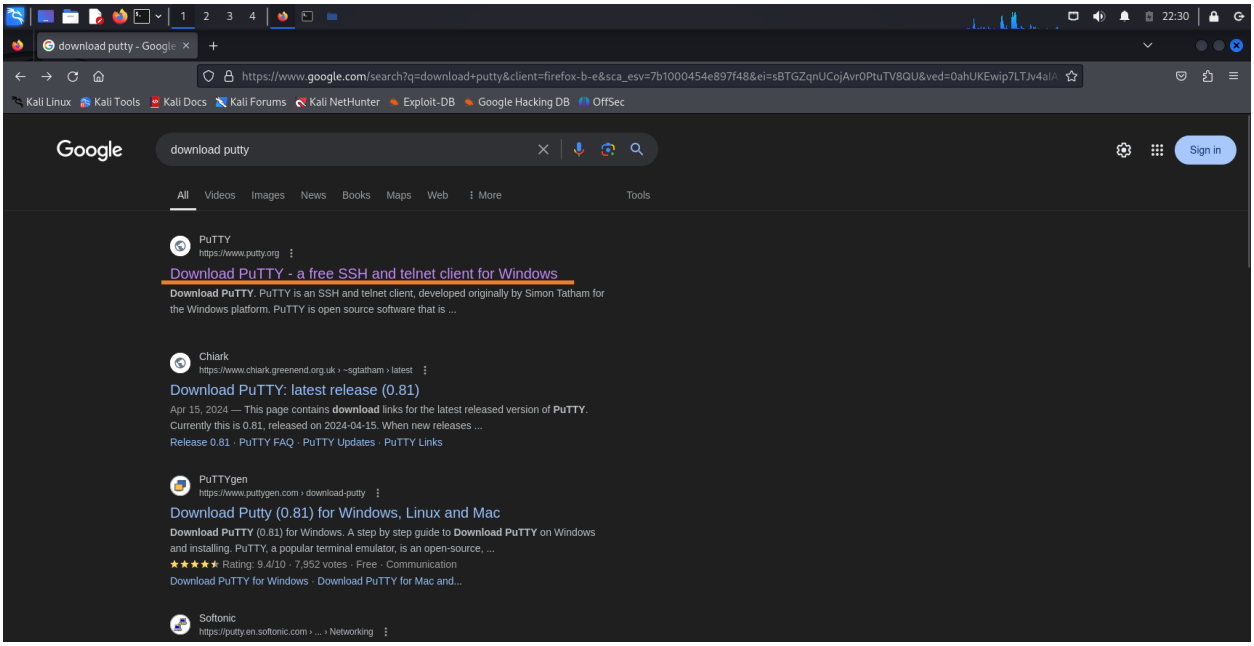
Victim machine: Windows

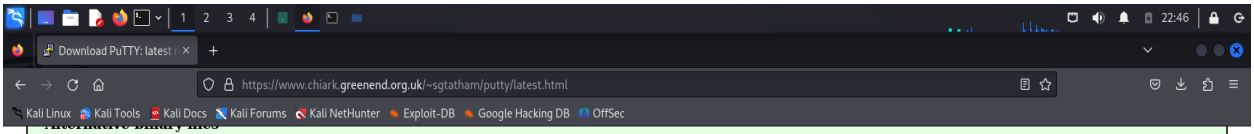
Software used: Virtual machine, Kali linux, PuTTy(injected malware)

Submission Date: 22 August 2024.

Procedure

1. At first, downloaded the desire application where I wanted to inject my payload in Linux. Here, I used puTTy.





The installer packages above will provide versions of all of these (except PuTTYtel and pterm), but you can download standalone binaries one by one if you prefer.

(Not sure whether you want the 32-bit or the 64-bit version? Read the FAQ entry.)

`putty.exe` (the SSH and Telnet client itself)

64-bit x86:	putty.exe	(signature)
64-bit Arm:	putty.exe	(signature)
32-bit x86:	putty.exe	(signature)

`pscp.exe` (an SCP client, i.e. command-line secure file copy)

64-bit x86:	pscp.exe	(signature)
64-bit Arm:	pscp.exe	(signature)
32-bit x86:	pscp.exe	(signature)

`psftp.exe` (an SFTP client, i.e. general file transfer sessions much like FTP)

64-bit x86:	psftp.exe	(signature)
64-bit Arm:	psftp.exe	(signature)
32-bit x86:	psftp.exe	(signature)

`puttytel.exe` (a Telnet-only client)

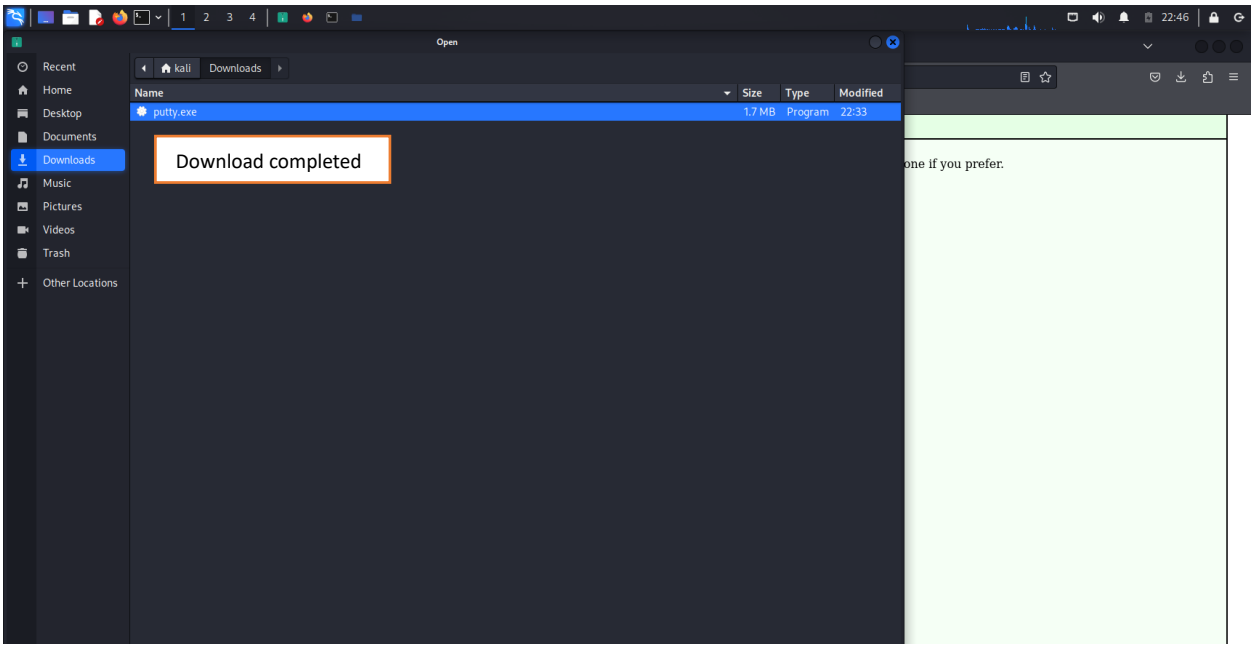
64-bit x86:	puttytel.exe	(signature)
64-bit Arm:	puttytel.exe	(signature)
32-bit x86:	puttytel.exe	(signature)

`plink.exe` (a command-line interface to the PuTTY back ends)

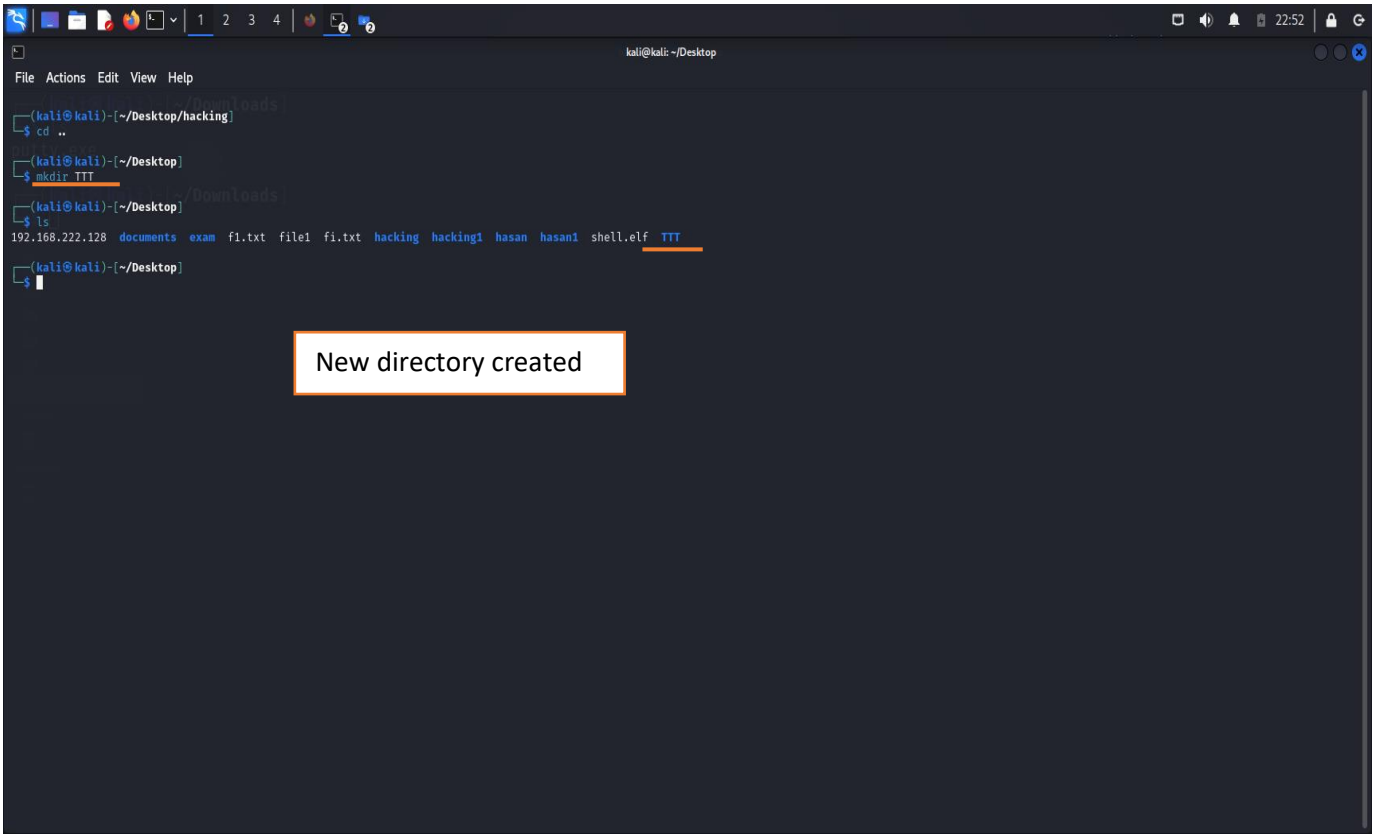
64-bit x86:	plink.exe	(signature)
64-bit Arm:	plink.exe	(signature)
32-bit x86:	plink.exe	(signature)

`pageant.exe` (an SSH authentication agent for PuTTY, PSCP, PSFTP, and Plink)

64-bit x86:	pageant.exe	(signature)
64-bit Arm:	pageant.exe	(signature)

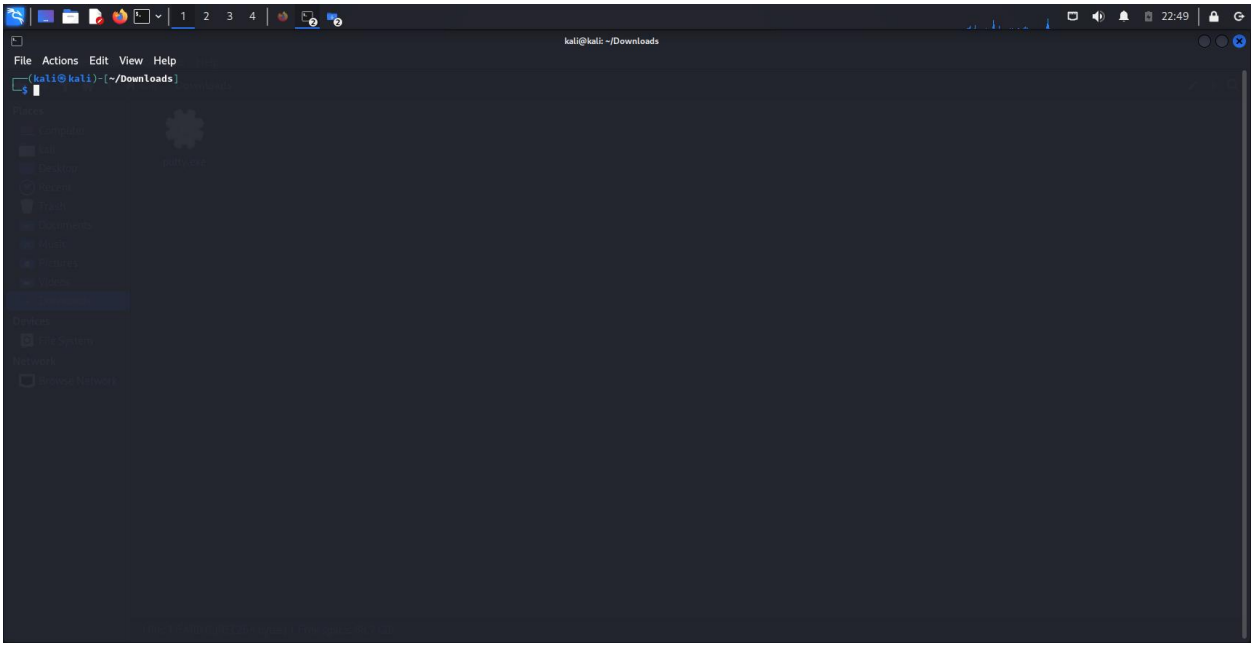


2. Then, made a new directory (TTT)

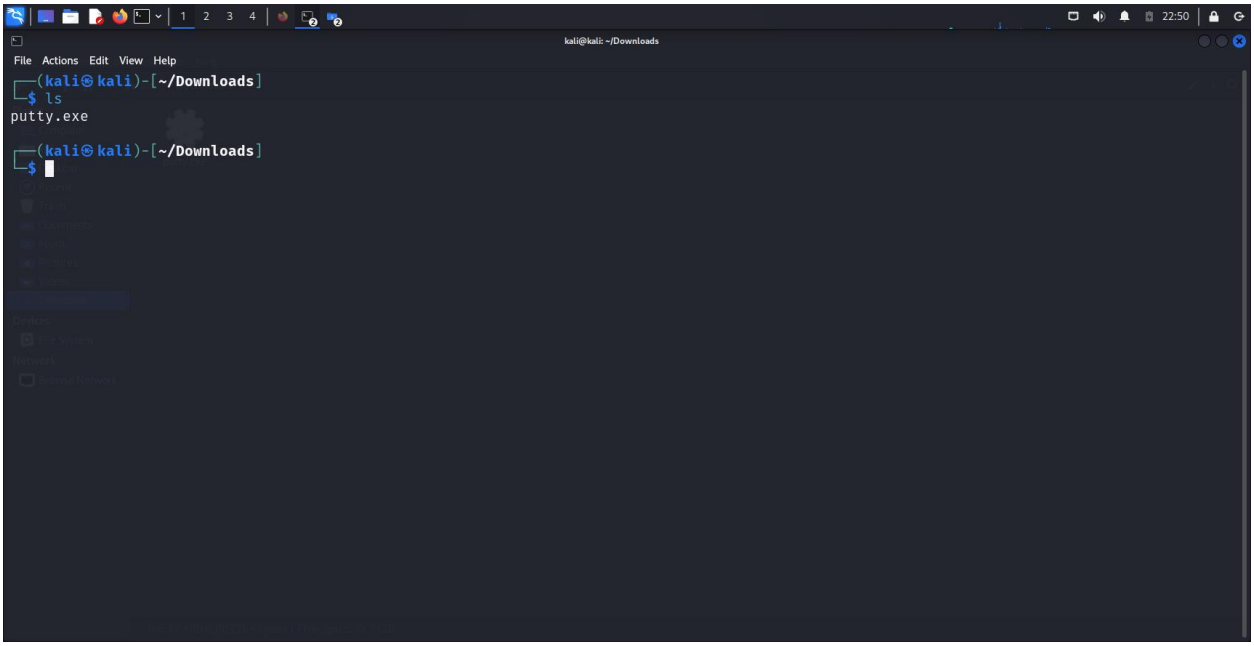


\

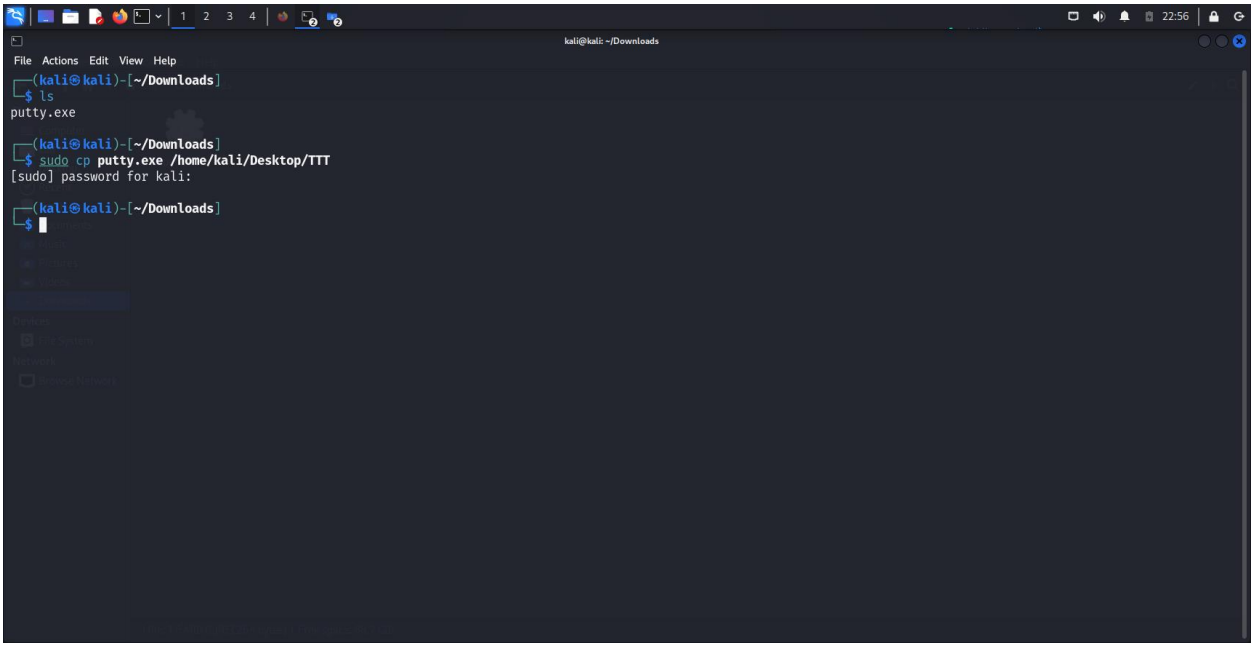
3. After that, open a terminal in TTT.



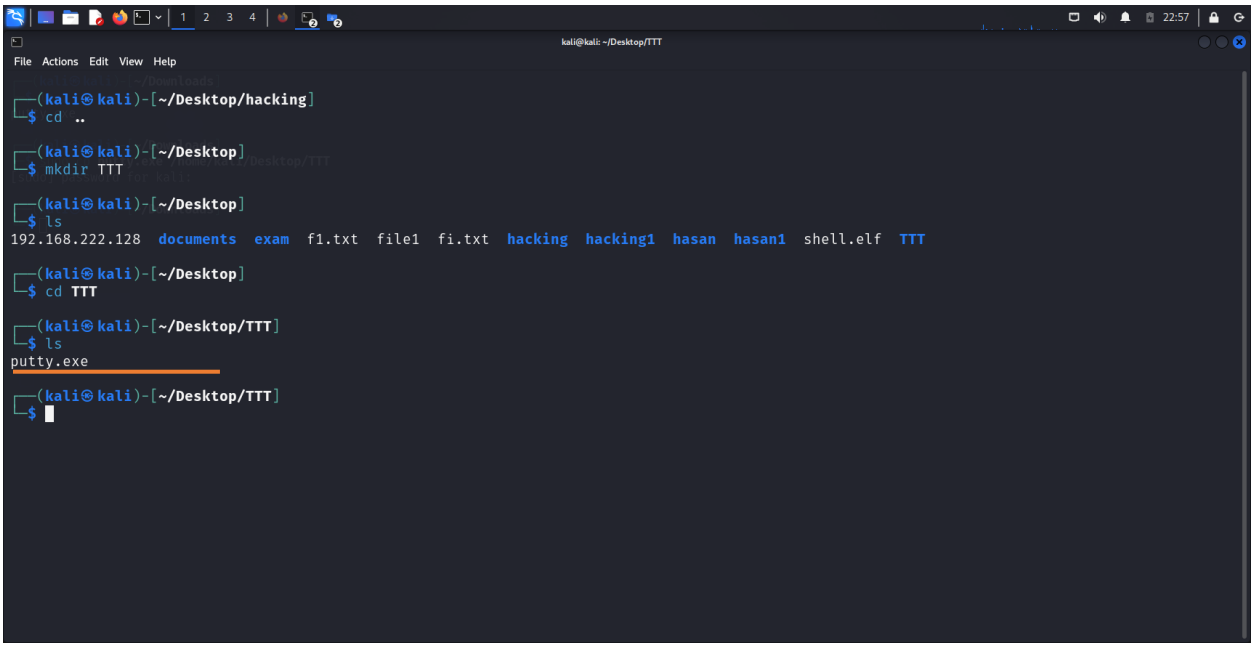
4. Checked the putty file in download directory.



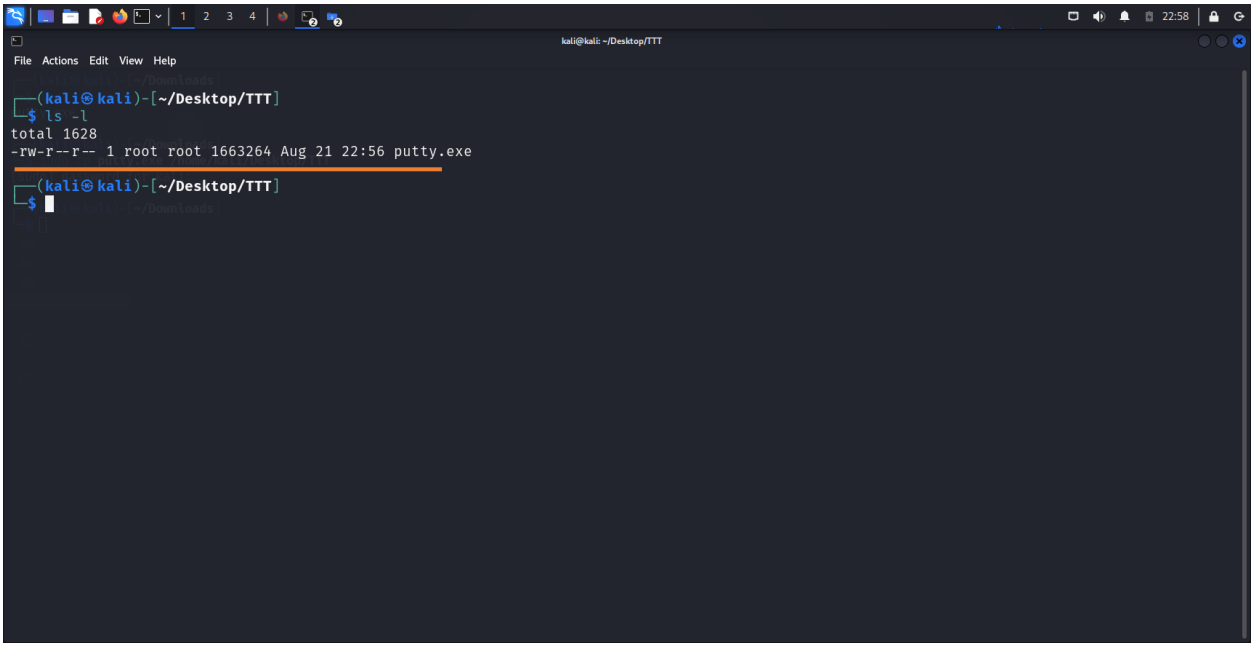
5. Then, copied the exe file from download directory to TTT.



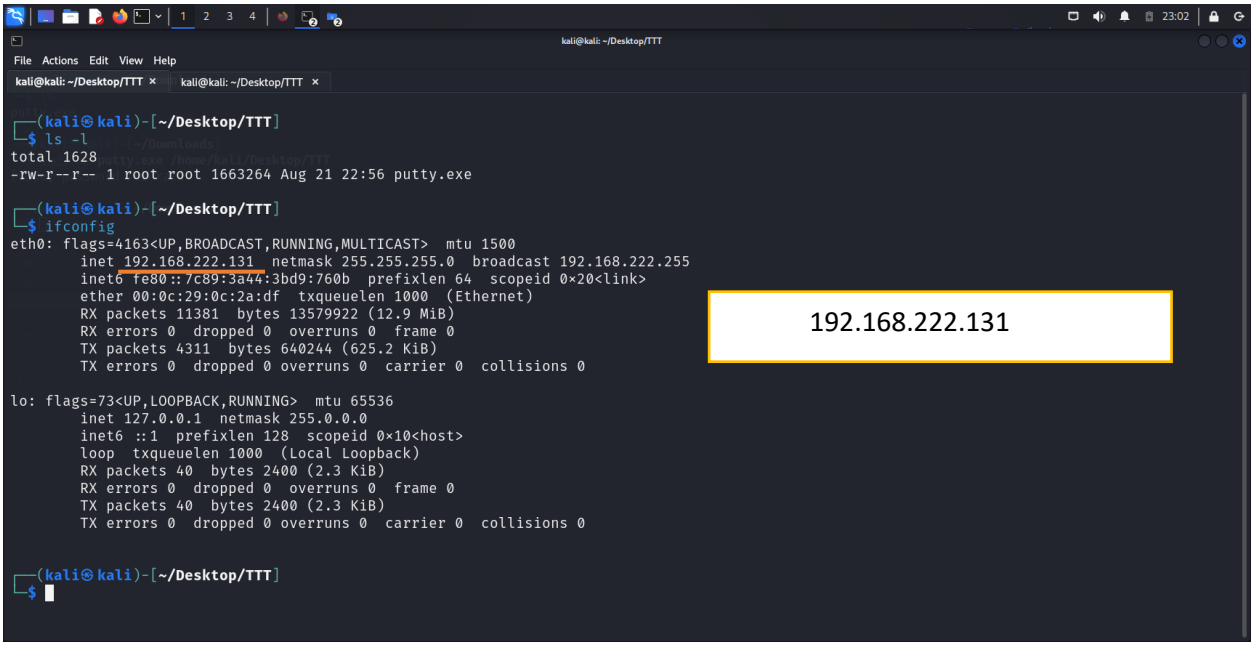
6. Checked putty.exe in TTT directory.



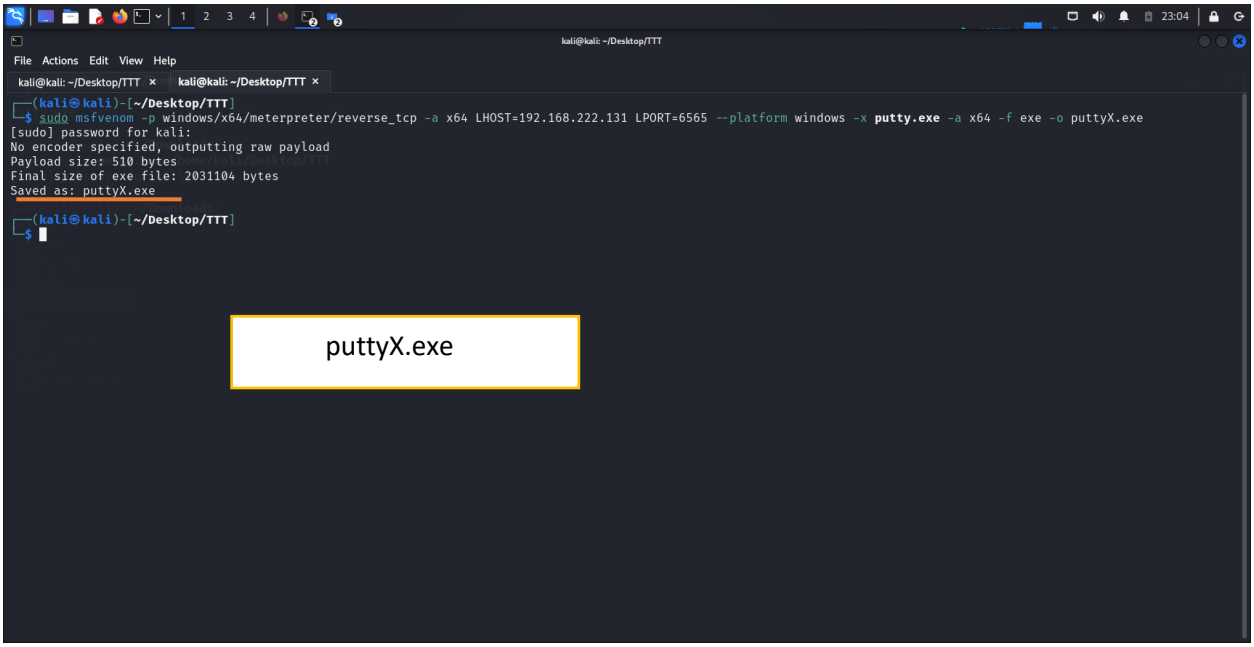
7. Then, checked the permission list.

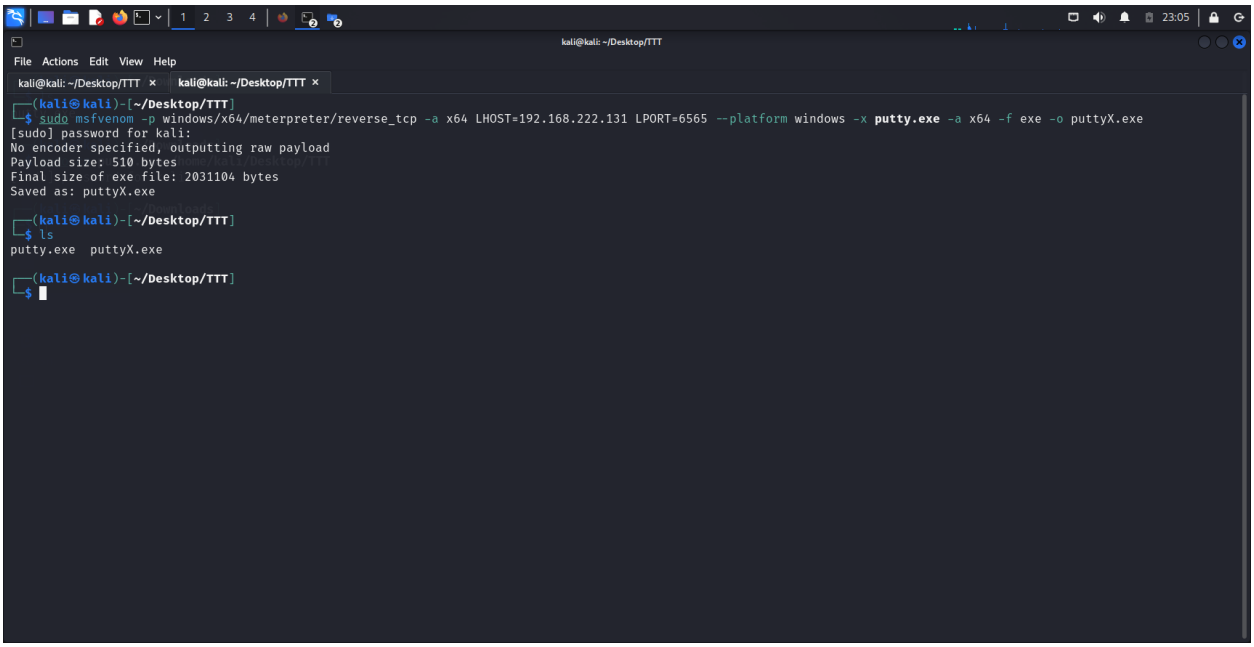


8. Find out the host machines ip address.

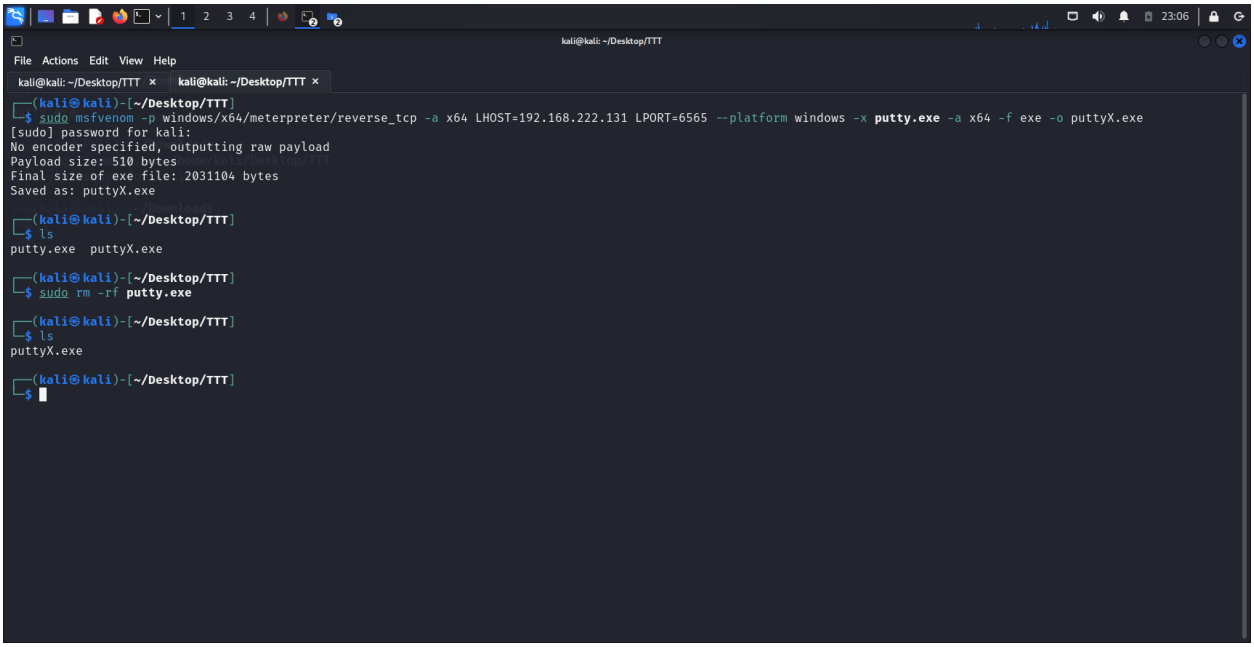


9. Then, made the payload named puttyX.exe.

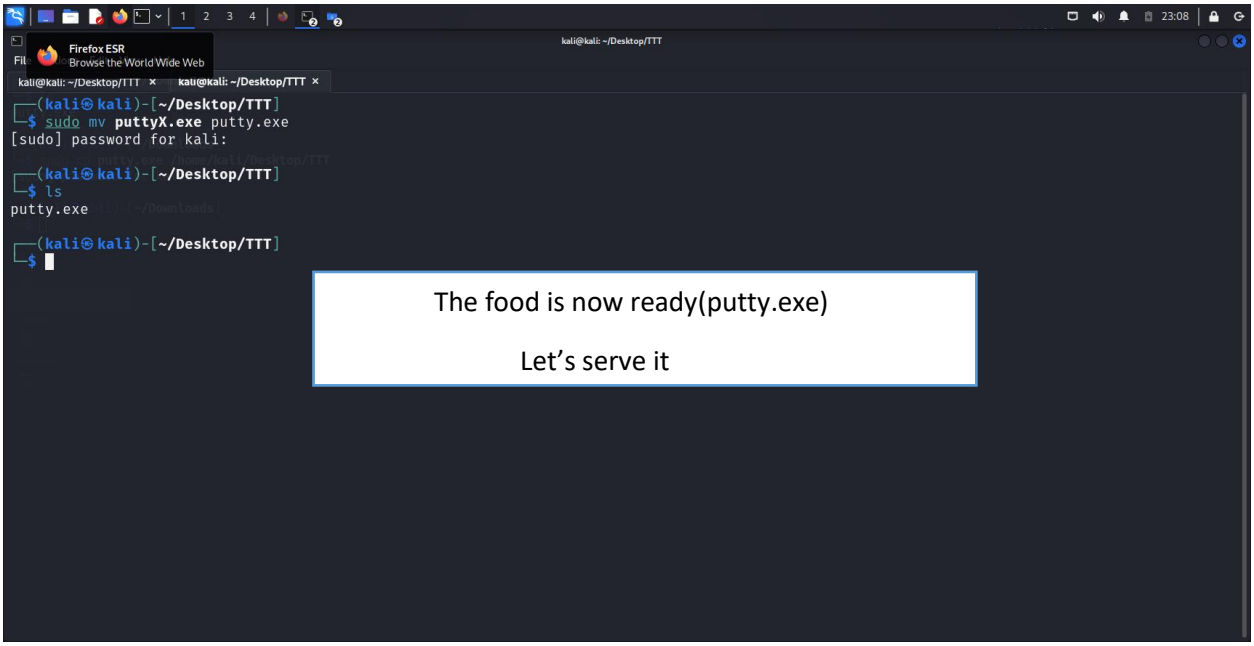




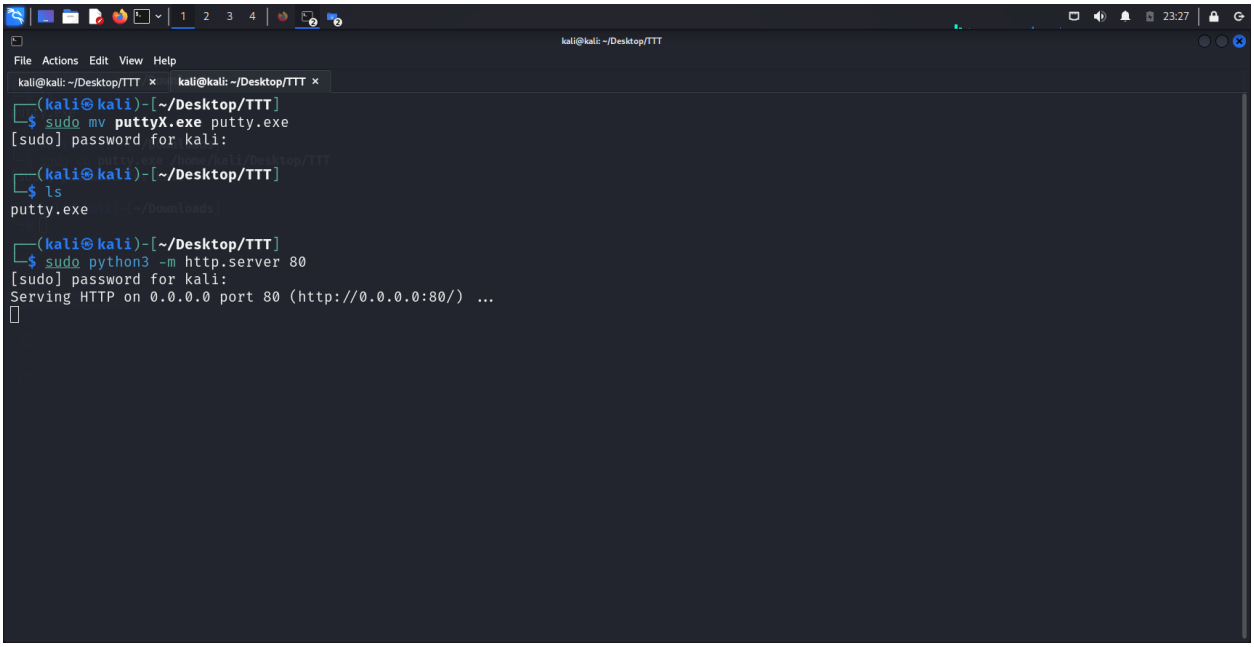
10. Removed putty.exe file from TTT.



11. Then, changed the puttyX.exe to putty.exe



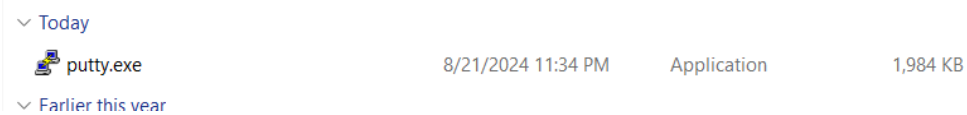
12. Opened a server.



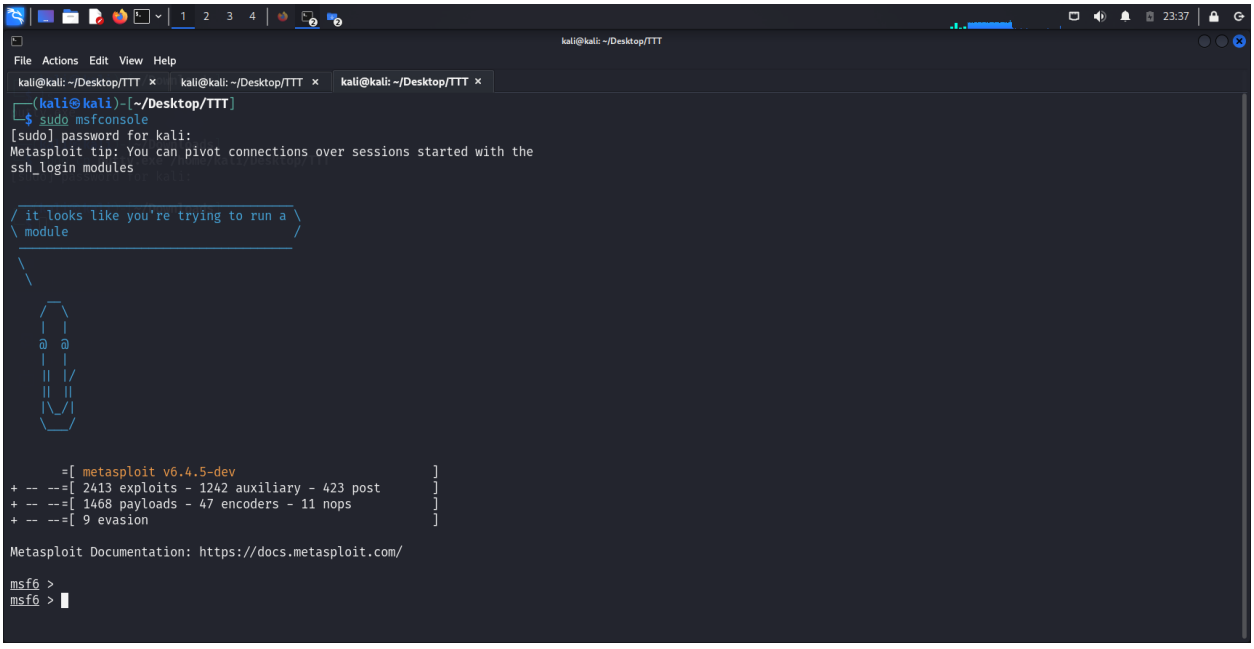
Let’s what was happening when victim downloaded and executed the file.

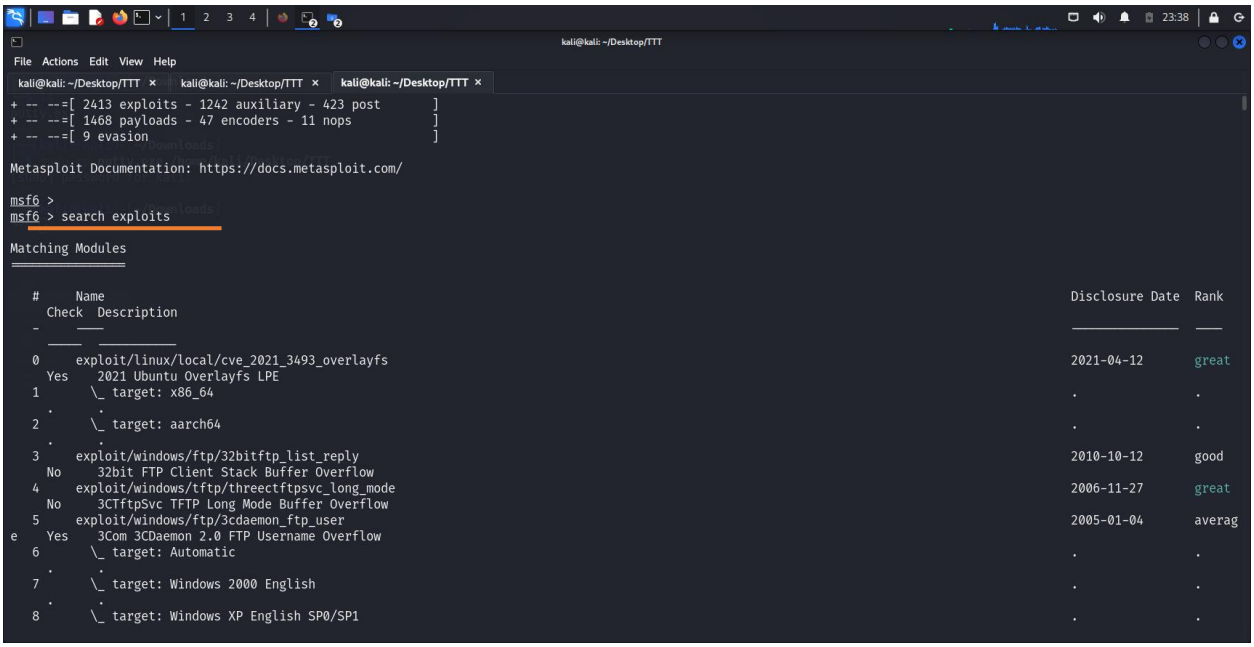
13. downloaded the file.

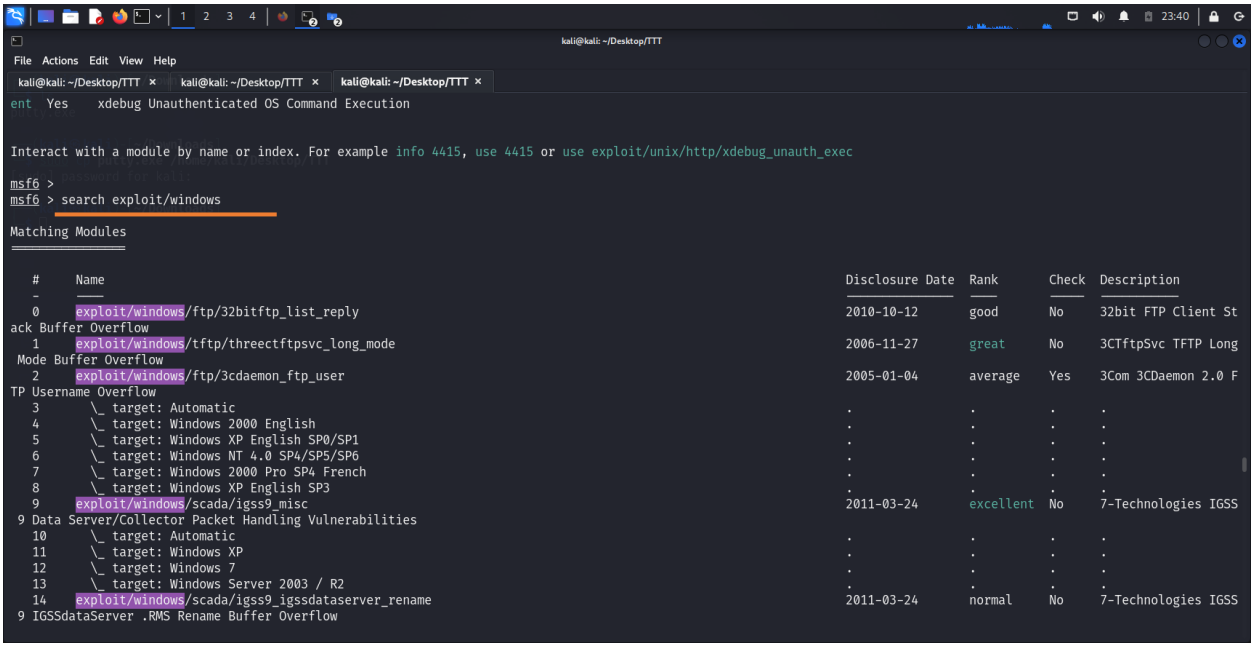
14. Downloaded and executed in the victim machine.

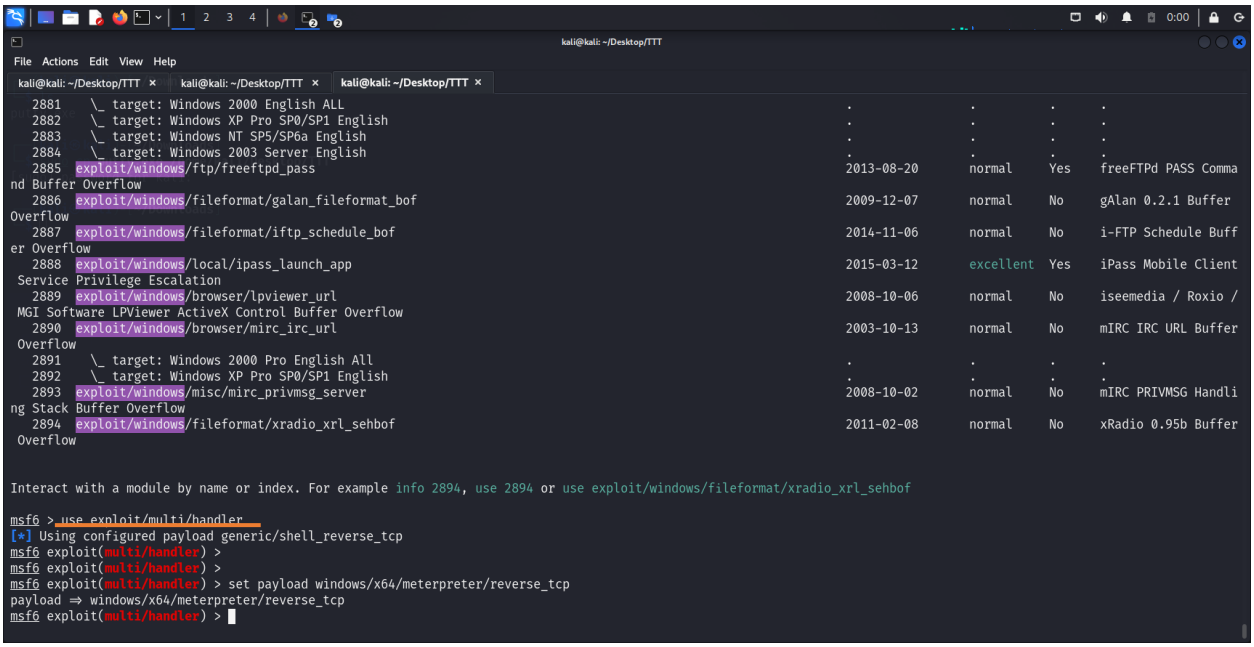


15. Now, opened the msfconsole in linux .

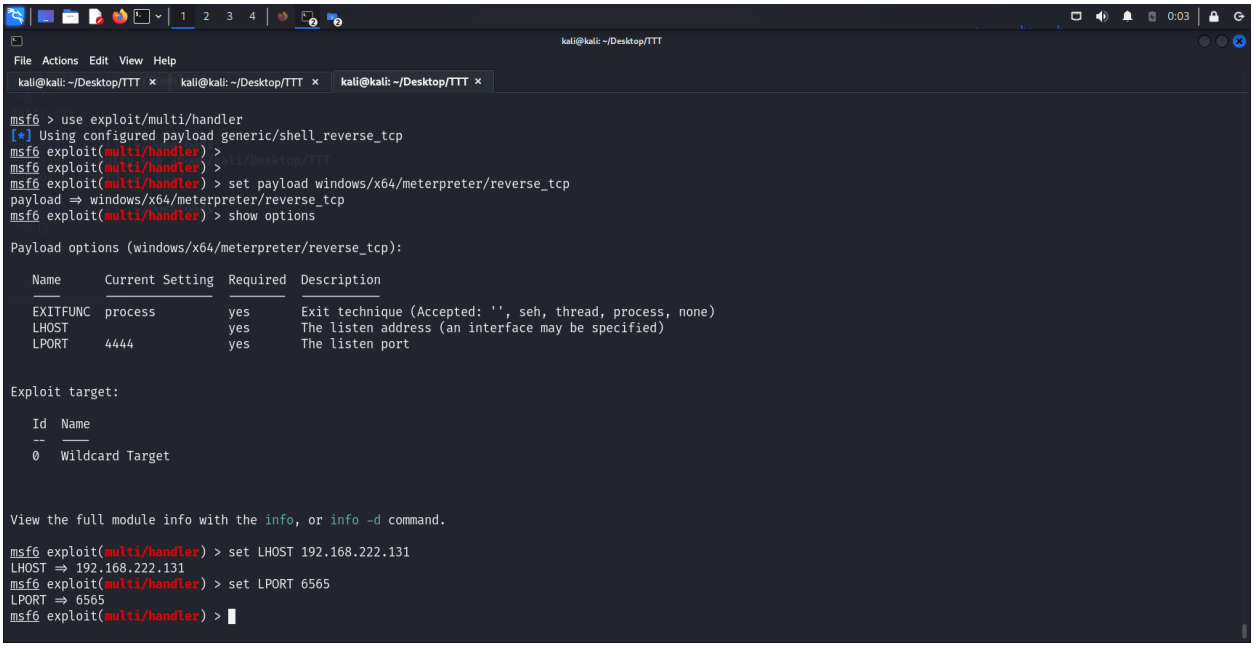


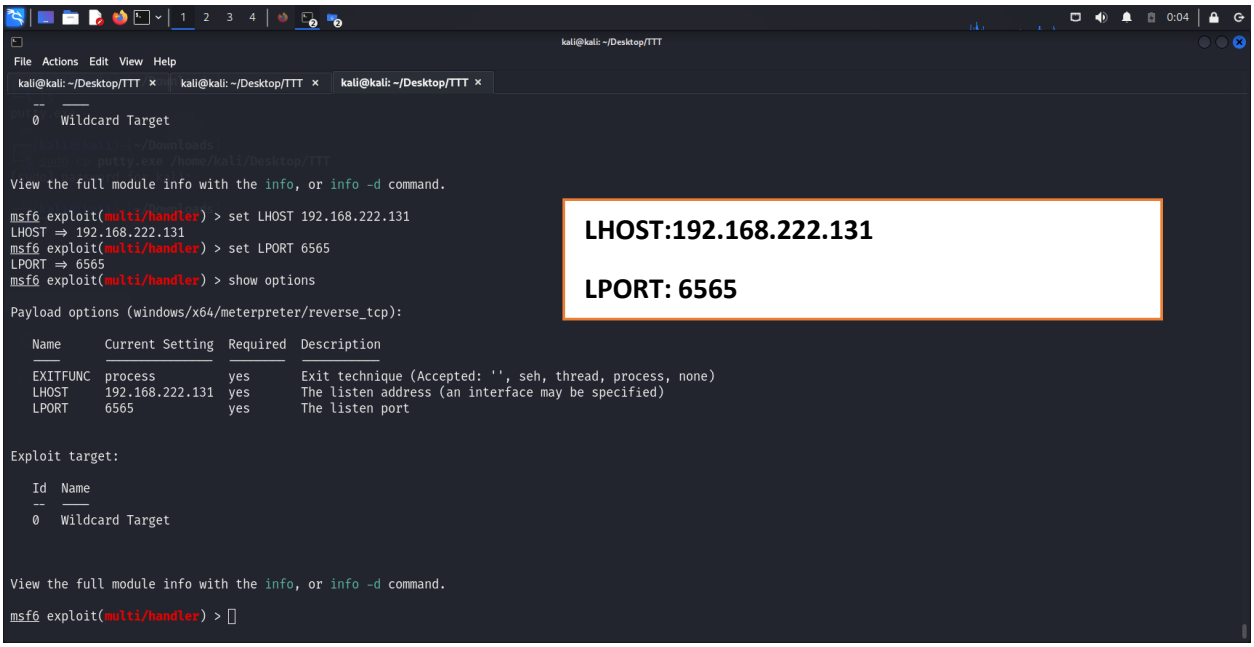

kali@kali: ~/Desktop/TTT
File Actions Edit View Help
kali@kali: ~/Desktop/TTT
kali@kali: ~/Desktop/TTT
kali@kali: ~/Desktop/TTT
+ -- --=[2413 exploits - 1242 auxiliary - 423 post]
+ -- --=[1468 payloads - 47 encoders - 11 nops]
+ -- --=[9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
msf6 >
msf6 > search exploits
Matching Modules
Name Disclosure Date Rank
Check Description
0 exploit/linux/local/cve_2021_3493_overlayfs 2021-04-12 great
Yes 2021 Ubuntu Overlayfs LPE
1 _ target: x86_64 . .
2 _ target: aarch64 . .
3 exploit/windows/ftp/32bitftp_list_reply 2010-10-12 good
No 32bit FTP Client Stack Buffer Overflow
4 exploit/windows/tftp/threectftpsvc_long_mode 2006-11-27 great
No 3CTftpSvc TFTP Long Mode Buffer Overflow
5 exploit/windows/ftp/3cdaemon_ftp_user 2005-01-04 averag
e Yes 3Com 3CDaemon 2.0 FTP Username Overflow
6 _ target: Automatic . .
7 _ target: Windows 2000 English . .
8 _ target: Windows XP English SP0/SP1 . .


kali@kali: ~/Desktop/TTT
File Actions Edit View Help
kali@kali: ~/Desktop/TTT
kali@kali: ~/Desktop/TTT
kali@kali: ~/Desktop/TTT
ent Yes xdebug Unauthenticated OS Command Execution
Interact with a module by name or index. For example info 4415, use 4415 or use exploit/unix/http/xdebug_unauth_exec
msf6 >
msf6 > search exploit/windows
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/windows/ftp/32bitftp_list_reply 2010-10-12 good No 32bit FTP Client St
ack Buffer Overflow
1 exploit/windows/tftp/threectftpsvc_long_mode 2006-11-27 great No 3CTftpSvc TFTP Long
Mode Buffer Overflow
2 exploit/windows/ftp/3cdaemon_ftp_user 2005-01-04 average Yes 3Com 3CDaemon 2.0 F
TP Username Overflow
3 _ target: Automatic . . . .
4 _ target: Windows 2000 English . . . .
5 _ target: Windows XP English SP0/SP1 . . . .
6 _ target: Windows NT 4.0 SP4/SP5/SP6 . . . .
7 _ target: Windows 2000 Pro SP4 French . . . .
8 _ target: Windows XP English SP3 . . . .
9 exploit/windows/scada/igss9_misc 2011-03-24 excellent No 7-Technologies IGSS
9 Data Server/Collector Packet Handling Vulnerabilities
10 _ target: Automatic . . . .
11 _ target: Windows XP . . . .
12 _ target: Windows 7 . . . .
13 _ target: Windows Server 2003 / R2 . . . .
14 exploit/windows/scada/igss9_igssdataserver_rename 2011-03-24 normal No 7-Technologies IGSS
9 IGSSdataServer .RMS Rename Buffer Overflow

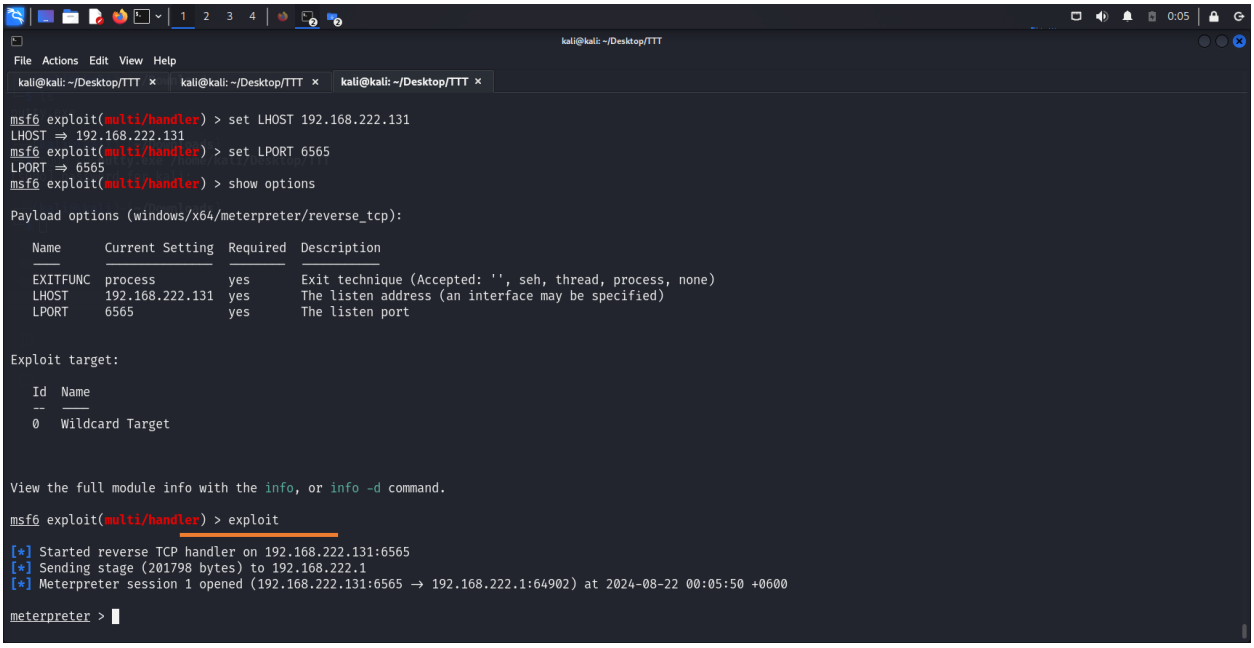


16. Set LHOST and LPORT.

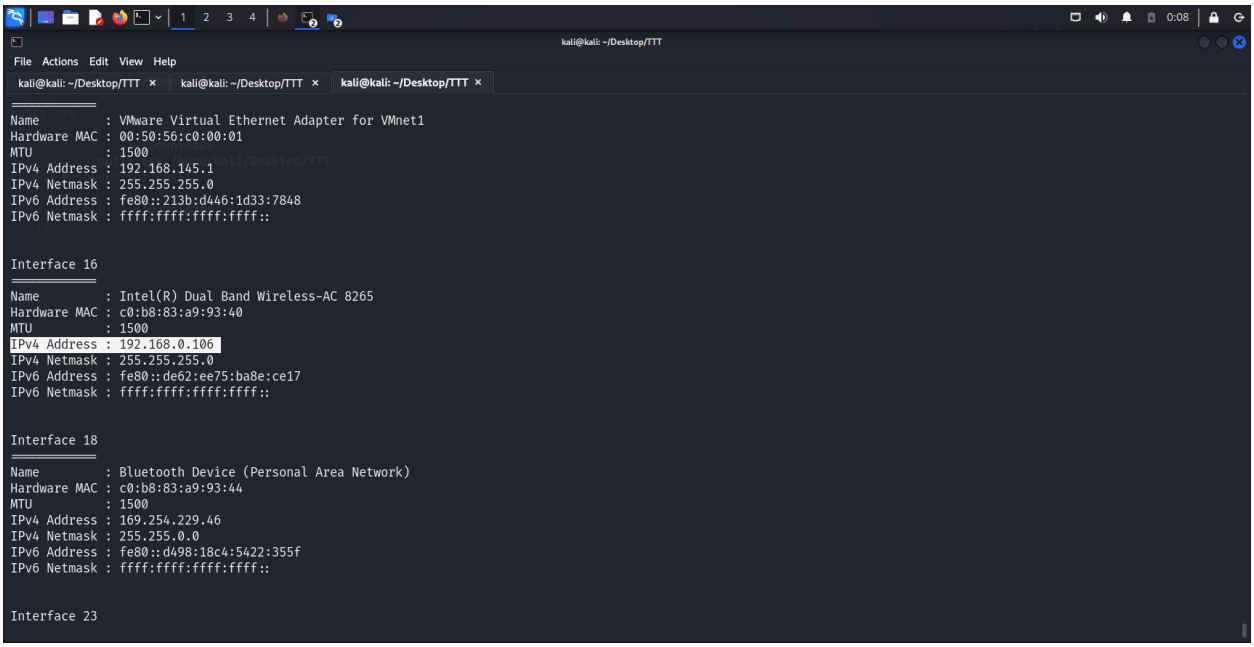


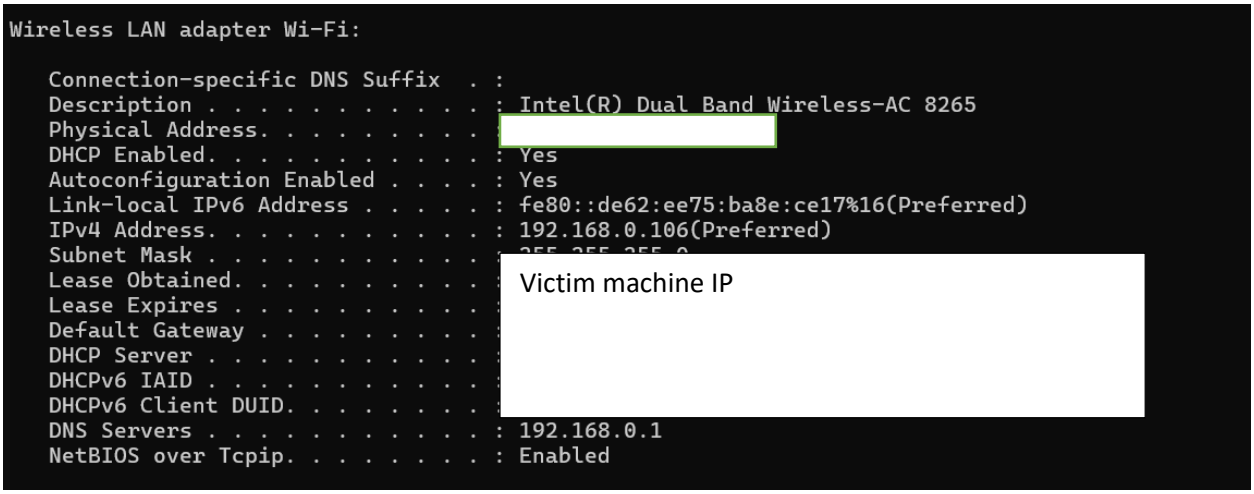


17. Finally, started exploitation.

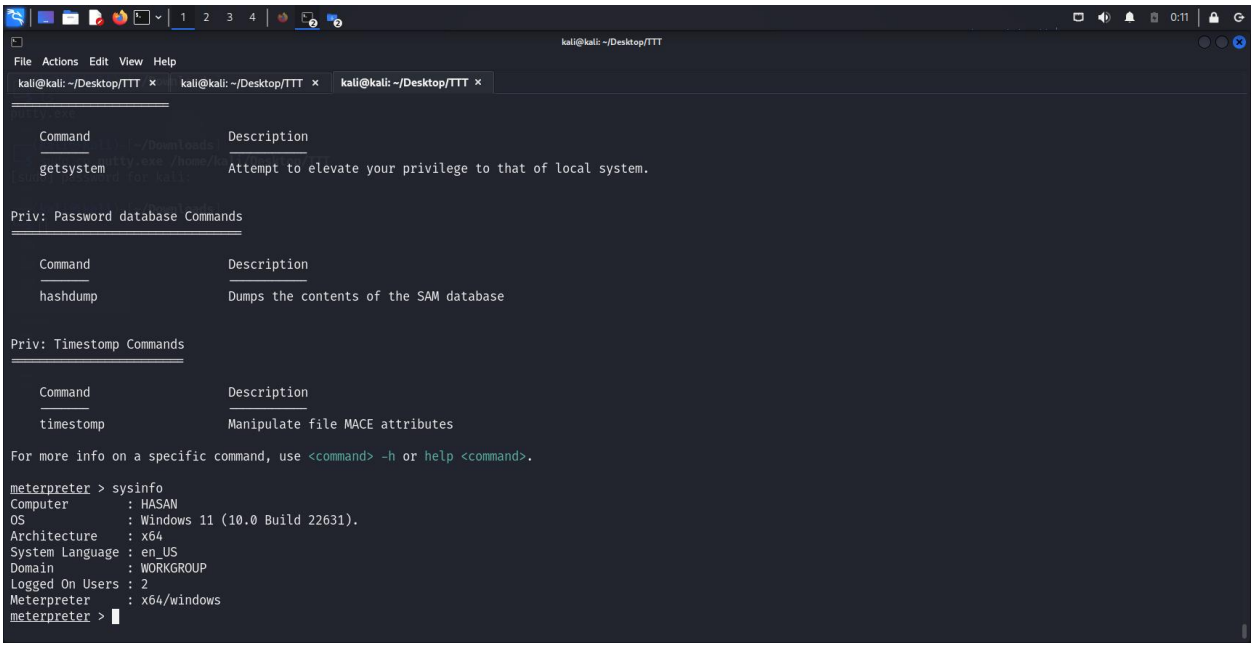


18. Find out victims ip address.





19. Now checked the system info



Finally, It’s done.