# Prepared By-Siddharth Chauhan

Questions are answered along with the screenshots.

Special wallpaper is used which contains makers name. All screenshots contains date and time.

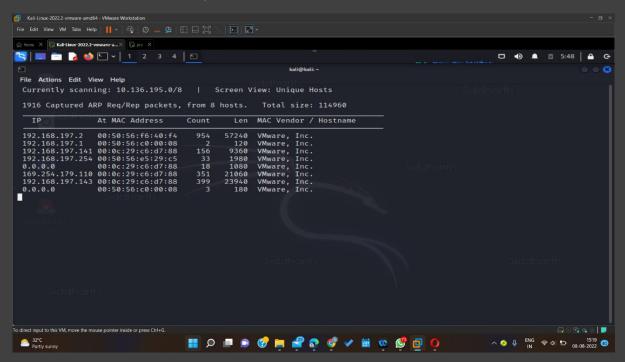
#### References -

- Guideline given by Sir in the sessions.
- Metasploit Fundamentals https://www.offensive-security.com/metasploit-unleashed/metasploit-fundamentals/
- Gtfobins- https://gtfobins.github.io/gtfobins/python/
- Blogs- hackwithvyshu.blogspot.com

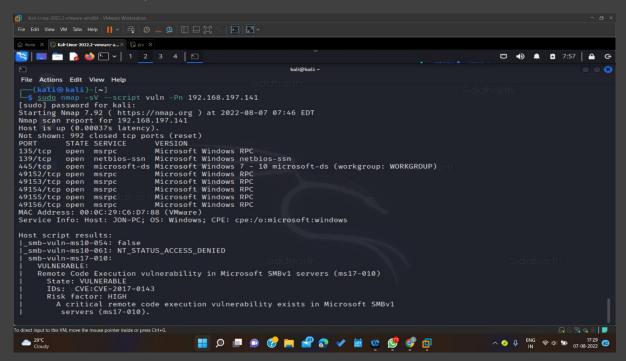
## **Windows Machine**

#### Task 1

Getting the IP Address of the machine to be attacked using netdiscover command after checking the wired network connections and NAT options of both our kali machine and windows machine.



Using nmap -A to get the information about the attacking machine. Again using the nmap to find out about the vulnerabilities in the windows machine. We can see that smb-vuln-ms17–010 gives use remote code execution vulnerability



Ques 1 How many ports are open with a port number under 1000?

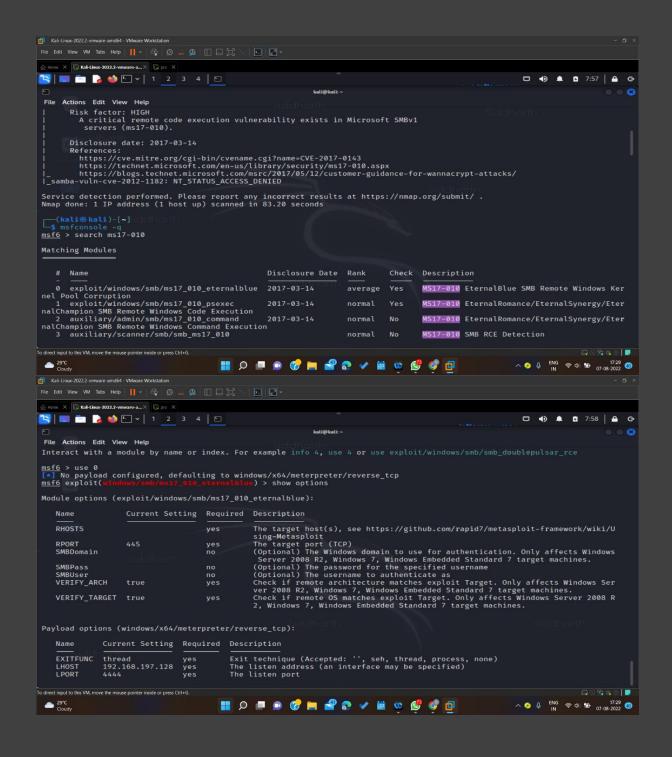
Ans 3 ports are below 1000- 135,139 and 445.

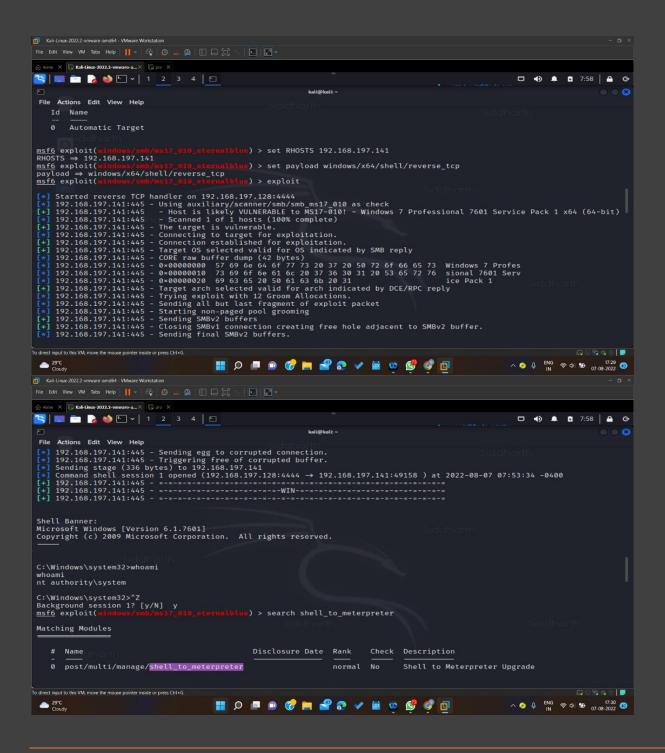
Oues 2 What is this machine vulnerable to? (Answer in the form of: ms??-???, ex: ms08-067)

Ans Vulnerable to ms17-010. Remote Code Execution in Microsoft SMBv1 servers (ms17-010)

#### Task 3

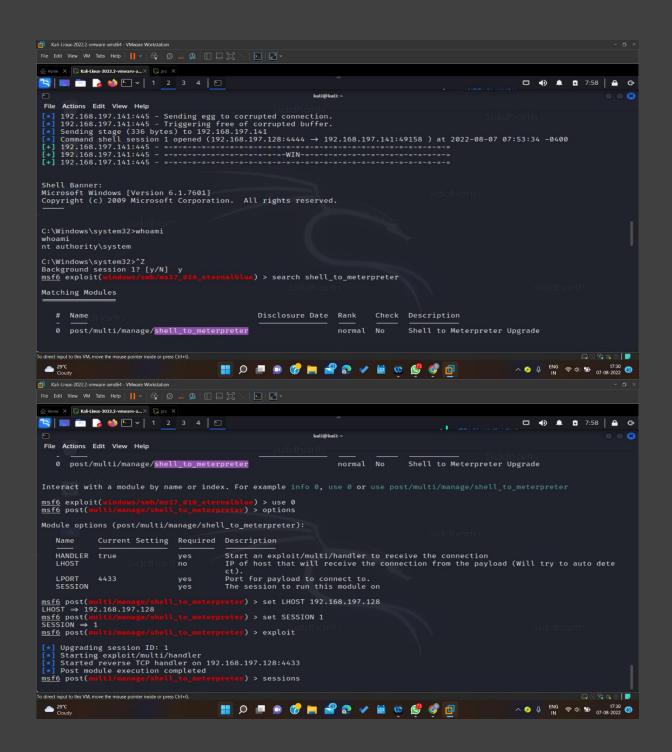
Starting msf console or Metasploit and searching the ms17-010 vulnerability in it .We find the EternalBlue SMB remote exploit. Then exploiting after setting the RHOSTS, LHOST and payload.

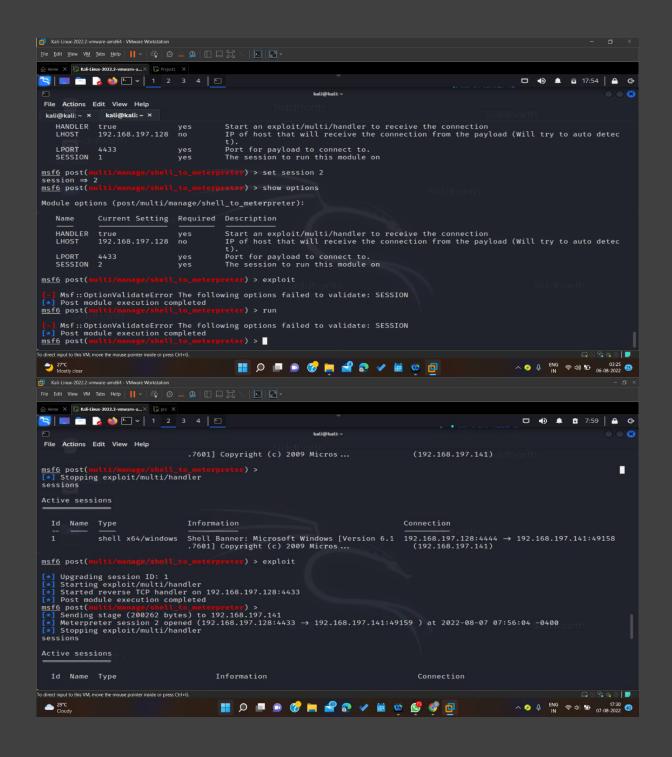


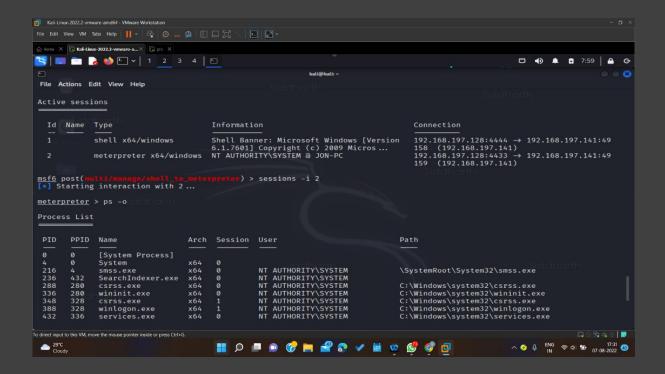


#### Task 4

After getting a session background the shell and change the normal shell to a meterpreter shell in metasploit.

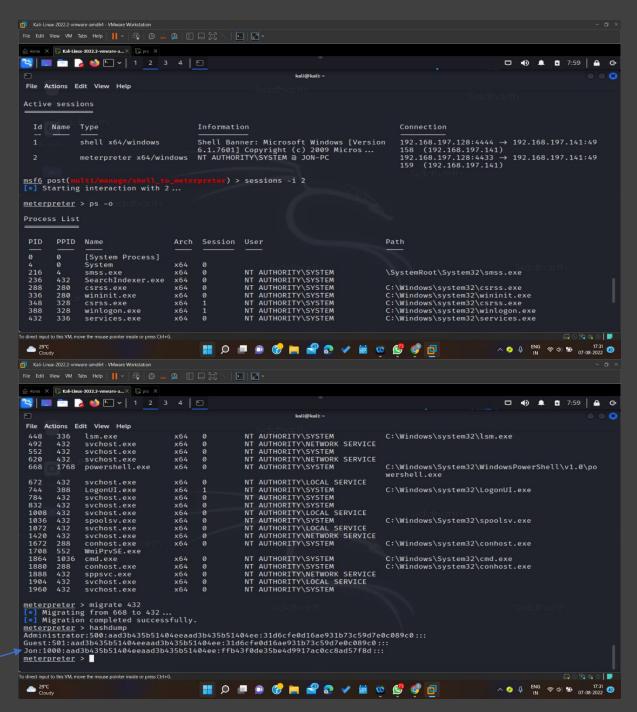






#### Task 5

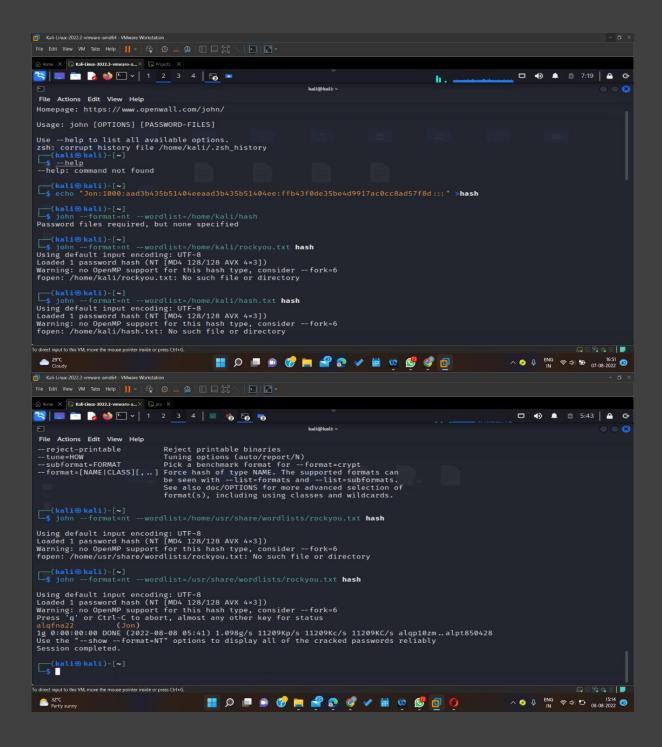
Migrate the services.exe which has PID 432. Then using the hashdump to get hashes of the passwords stored in the machine



Ques 3. What is the name of the non-default user?

### Ans <mark>Jon</mark>

We copy this hash and crack it using John The Ripper while using rockyou.txt wordlist.John bydefault uses LM format so we have to specify command as NT.



We get the password for the user Jon.

Ques 4 What is the cracked password?

Ans algfna22