## **VULNERABILITY ASSESSMENT AND**

## PENETRATION TESTING REPORT

18/03/2024

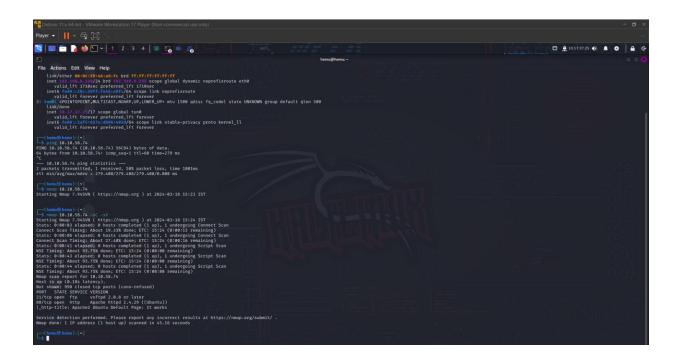
NAME: HEMACHANDAR

**DEPT: AI&DS** 

## **PROCESS:**

Following the previous lab exercise, I got the username is jenny.

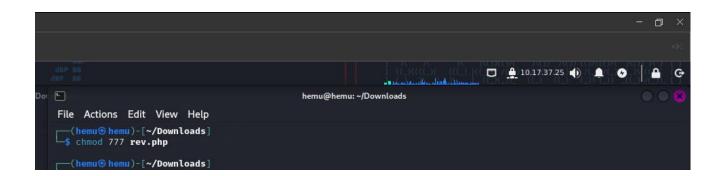
First thing i did was i scan the target with nmap -sC -sV on the target ip and give us 2 open ports.

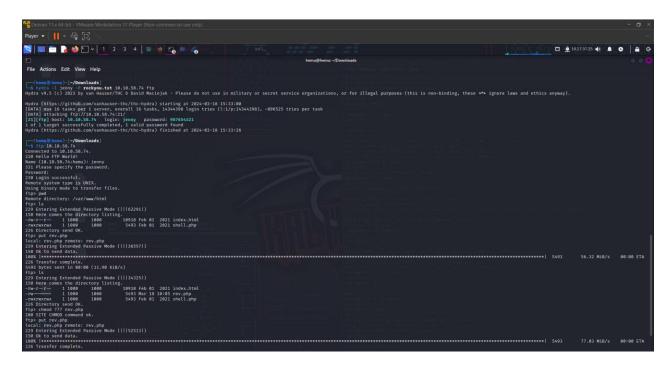


Since, ftp port is open, I tried to login with username as "jenny", but I don't know the password. So, I used "hydra" to crack the password using the password file text that i used was rockyou.txt as wordlist since it has the most common password that had. Afterwhile we got the password.



Next, I planned to upload a reverse shell to the target. So, I gave my ip address in the reverse shell and changed its permission and uploaded it.

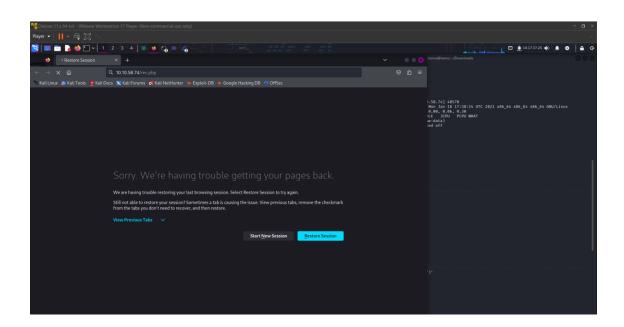


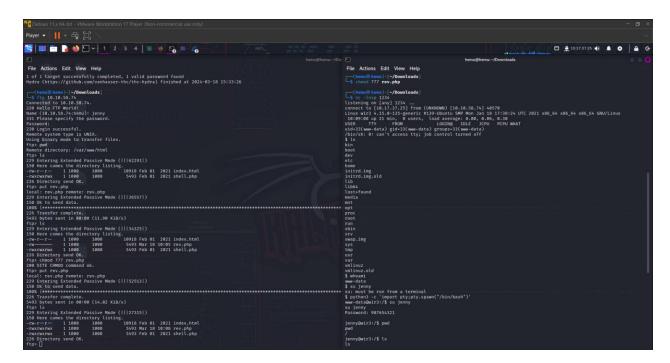


Now, I have uploaded the reverse shell.

Next I started to listen on the port number I have provided.

Next thing we do is we go to the website and access our reverse shell by http://ipAddress/rev.php





Now I got a reverse connection, now and after wards I tried to switch the user to jenny but we need to be in a terminal.

So, I used the following command:

python3 -c 'import pty;pty.spawn("/bin/bash")'

Now I can run sudo command.

Using "sudo su" I became as root, and while exploring the files, I found a directory named "Reptile"

Inside Reptile, there is the flag.txt file.

So the flag file consists of:

ebcefd66ca4b559d17b440b6e67fdofd

## **RESULT:**

The pentest of the company revealed that their system can be exploited in the following way. The outcome revealed that an attacker can become the domain controller, leading to full system compromise.