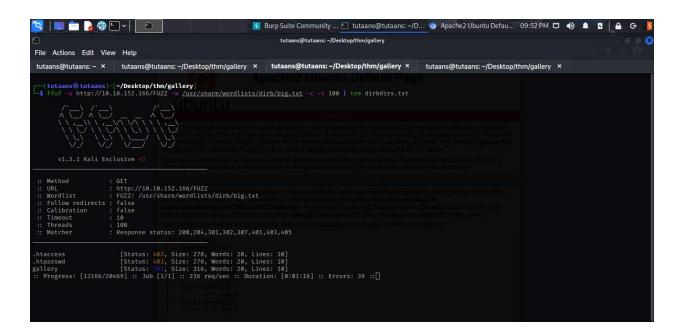
TryHackMe Gallery

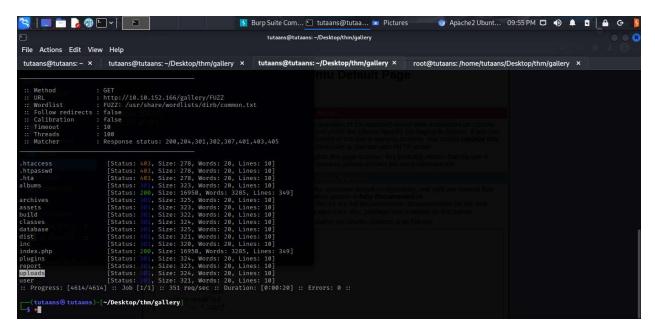
Reconnaissance

- First, I started this machine with nmap scan
- After finding out all the open ports and service they are running.
- I move on to website.
- I started fuzzing the directory. While fuzzing the directory I checked for any available scripts for the CMS and found some too.

But let's do some directory fuzzing first.



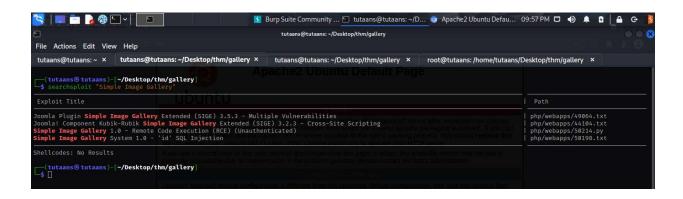
It was a weird directory name, so I fuzz the sub directories too and the results are:



At this point I feel like I had done enough of recon, and I wanted to engage with the target so manual exploration now.

While going to the gallery directory it redirects to login page.

Before I check the CMS for available exploit through searchsploit, and they are shown in below.



Exploitiation

I saw some unauthenticated RCE exploit from searchsploit output. Reading those exploit gave me some ideas. So I first tried sql injection with payload in username:

And it worked lol.

To get the admin password hash run the sqlmap or manually try it. Which I couldn't do it, so I ran sqlmap for it. I first intercepted the request in burp and save the file.

And then run the command: sqlmap -r req.txt -batch -dump

It was too slow, and I already got the database and table info and I only dump the users table.

Sqlmap -r req.txt -D database_name -tables table_name

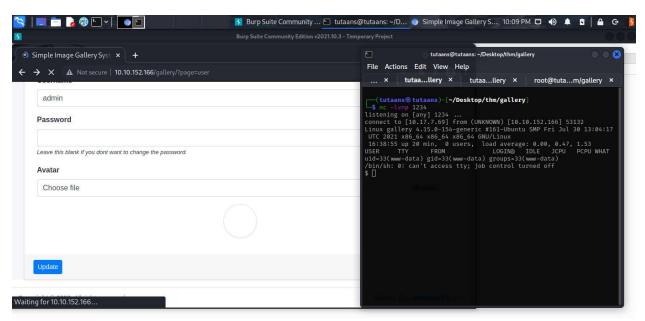
Getting a shell

While fuzzing I remembered there was uploads directory, so I got the idea to test file uploads. So going on to profile I just randomly updated a ".sh" file and it was uploaded. So, I uploaded a "php-reverse-shell.php" file and set up listener and got a reverse shell.

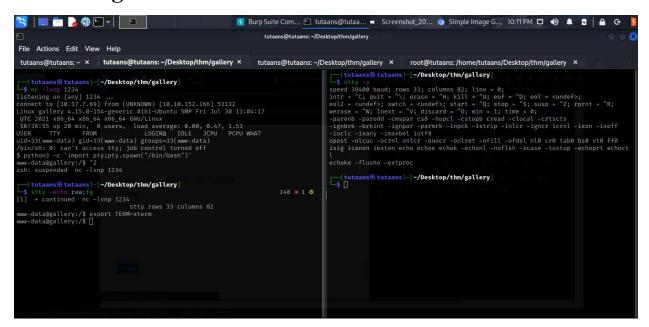
The file is available in kali.

Use locate php-reverse-shell.php command to search for it.

If u don't setup listener while uploading the file u can go to uploads directory and click on ur file.



Stabilizing the shell



Steps:

- First get a reverse shell and CTRL+Z to suspend the process
- Then check the rows and columns number of the terminal by "stty -a " command
- Urs rows and columns count will be different because to show it I split the terminal
- Enter stty rows rows_number columns columns_number from the output of above command.
- Then export the terminal: **export TERM=xterm** (check ur terminal in terminal settings. If it didn't worked.)

Congrats u now have stable shell.

Privilege Escalation.

I run the linpeas script and saw the machine vulnerable to pwnkit. So I check for gcc to compile the C code but it wasn't there so I looked for python poc and found one at "https://github.com/joeammond/CVE-2021-4034/blob/main/CVE-2021-4034.py" and got privilege escalation directly to root

Hence completed. Search for the flags now xD.