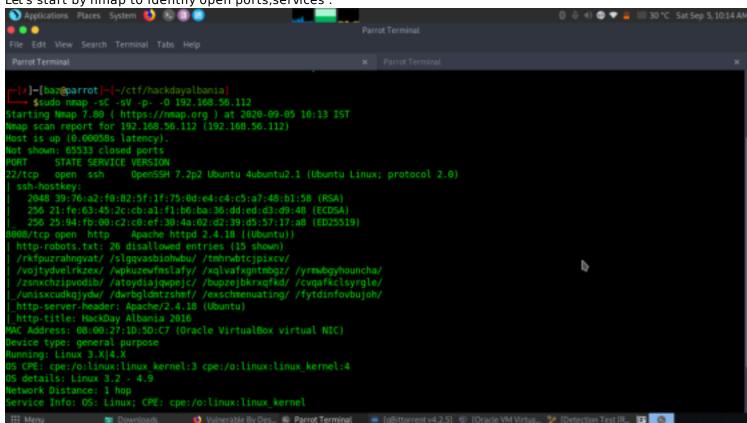
Hackday-Albania

IP- 192.168.56.112 Walkthrough by Basil Wattlecorp Cybersecurity Labs

Methadologies

Let's start by nmap to identify open ports, services.

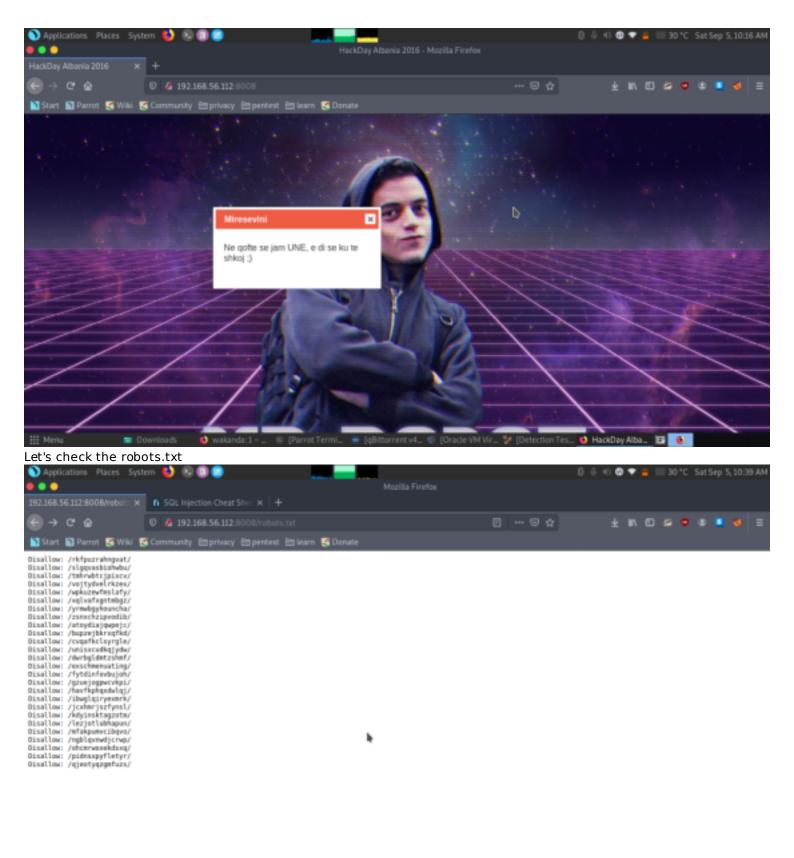


From nmap results two open ports were identified.

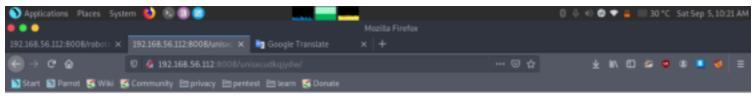
22(ssh), 8008(http)

http ports had robots.txt directory enabled and lots of subdirectories present.

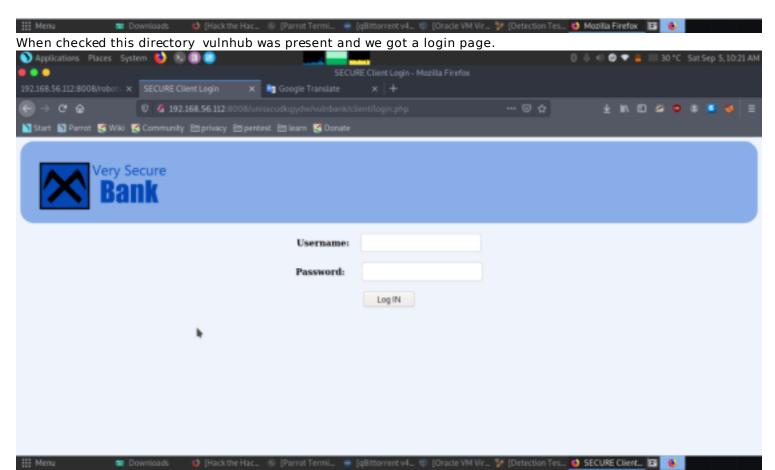
http://192.168.56.112:8008



Lots of directories when checked each one by one we found one specific directory mentioning of another directory.



IS there any /vulnbank/ in there ???



When tried some sql injection it worked.

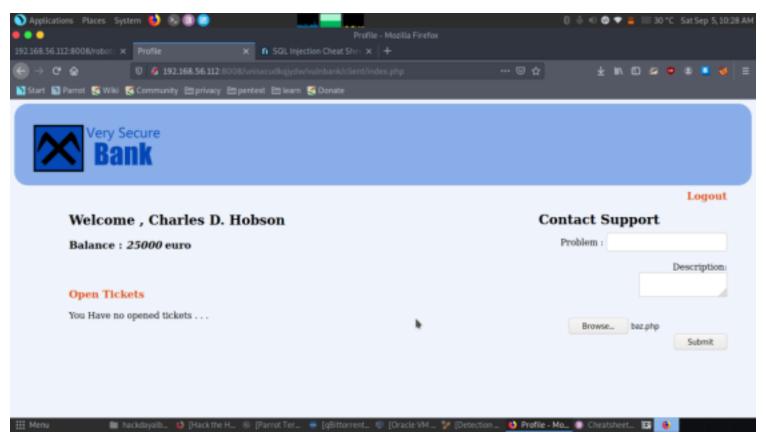
user- admin' --

pass-#

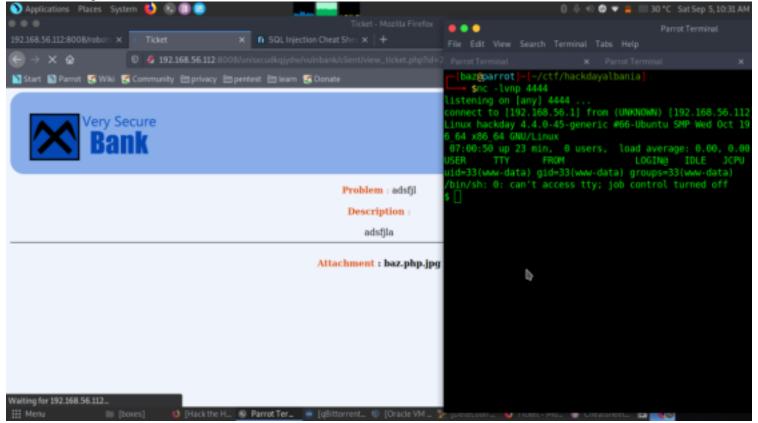
And it opened up like a beautiful treasure! As you can see, according to this web page "contact Support" here we can attach our file and can discuss our problem.

So, here is what we did.

Great we were able to login using sqlinjection and found a module to upload files.



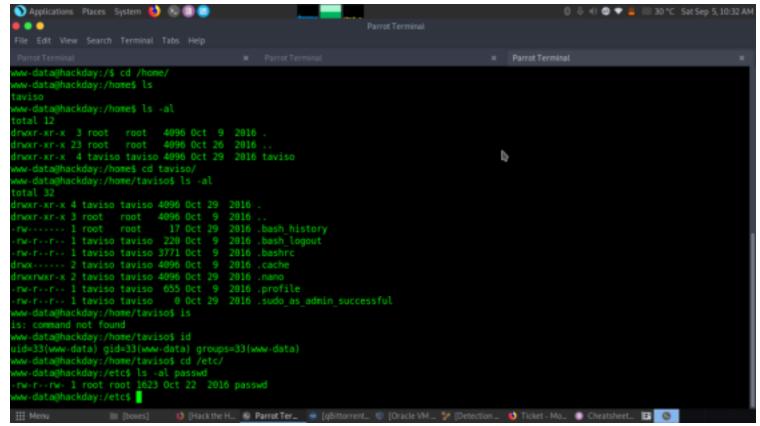
We uploaded our reverse shell in jpg format. And submitted the page and in the dashboard our shell was present when clicked got reverse shell



From given below image you can observe netcat session. But the task is not finished yet, still, we need to penetrate more for privilege escalation. Then to access proper TTY shell we had import python one line script by typing following:

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

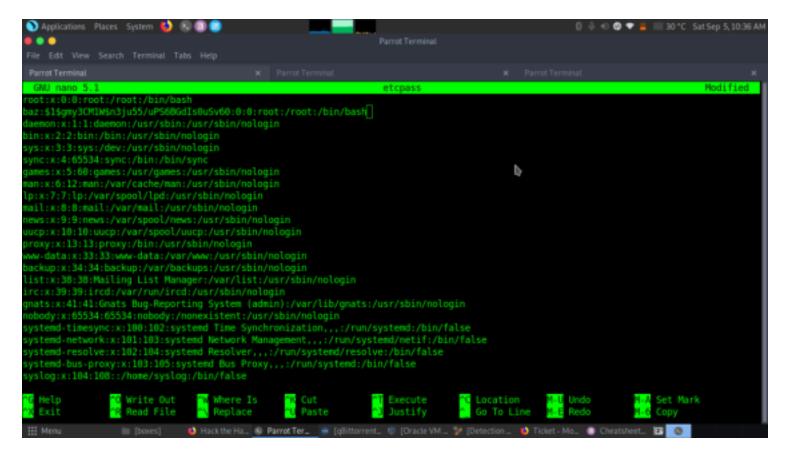
Then I check permission for passwd file and found that the file is writable. Is -al etc/passwd



We copied contents of /etc/passwd to our directory and then created our user and pass using openssl openssh passwd -1 asdf

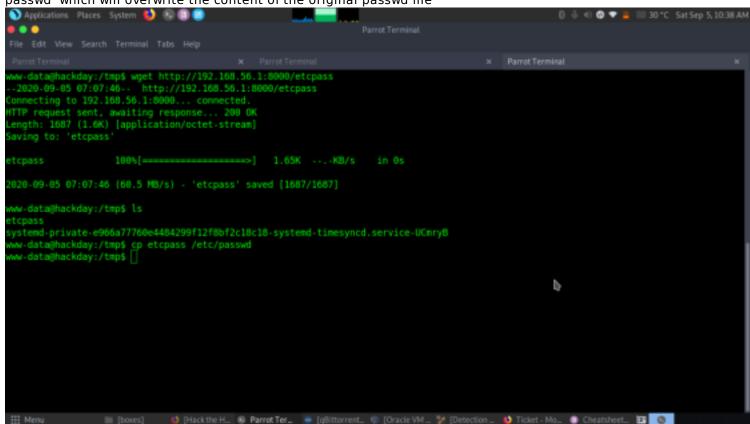
now let's copy this user to the passwd file we just copied

Then we create a new entry for user "raj" and past above salt password. Also set UID and GID 0:0 for him to add him into root group member and save the file as passwd on the desktop. Now we have to transfer this file into victim's machine so that we can replace it from original passwd file. Now run the web server on our position.



python -m SimpleHTTPServer

Now download the newly modify passwd file inside /tmp directory and then copy the downloaded file into /etc/-passwd which will overwrite the content of the original passwd file



Now after all these steps we are ready to login using our user and finally able to gain root access su baz pass- asdf id cd /root cat flag.txt

