Cyber Security and Digital Forensics Internship

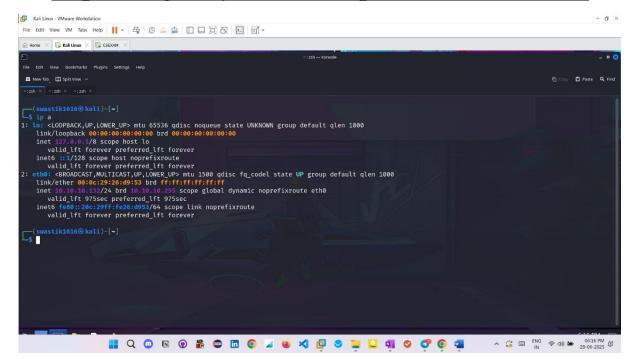
PRACTICAL EXAM
REPORT

SWASTIK GONDHI DOON UNIVERSITY

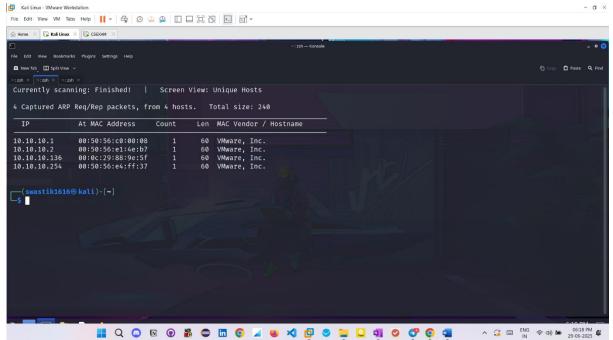
Drive Link -

https://drive.google.com/drive/folders/1WCK00ki1F3l FPTo7y5tdSmeKcrDeWjvs?usp=sharing

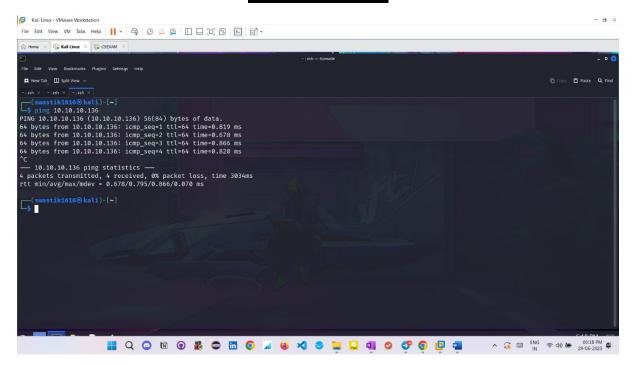
<u>Step 1 – I got my kali linux ip(Attacker machine)</u>



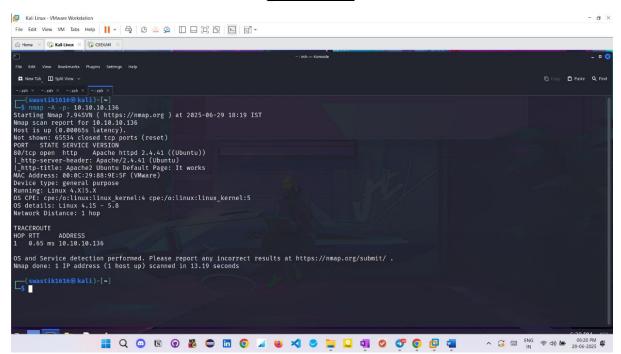
Step 2 – I did network scan in particular range of my ip but didn't get any result, then switched off the target and changed the network to NAT from Bridged. And then again ran the network discovery command, and I got the target ip.



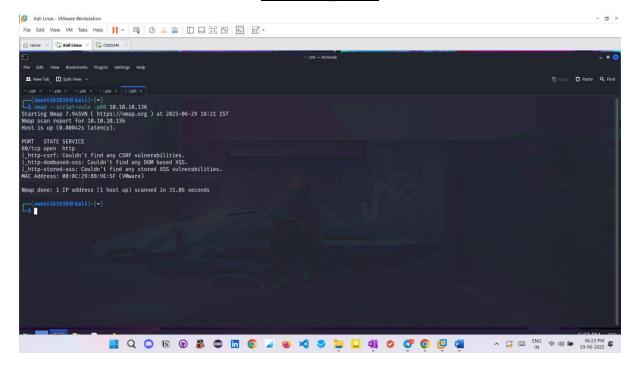
Step 3 – I ran ping command on target ip to confirm that its alive.



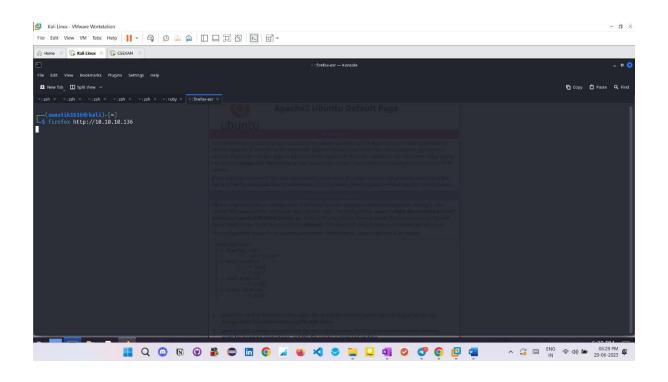
Step 4 – I did port scanning using nmap and got open port 80.

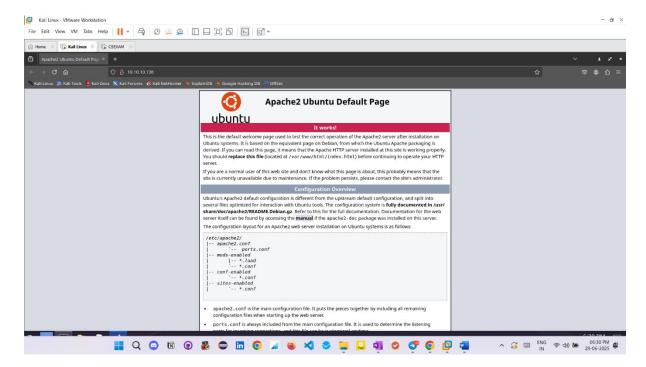


Step 5 – I used nmap to do vulnerability assessment on port 80 of the target ip, but couldn't find any vulnerability which can be exploited directly. So I decided to go for its web exploitation because http port 80 is open.



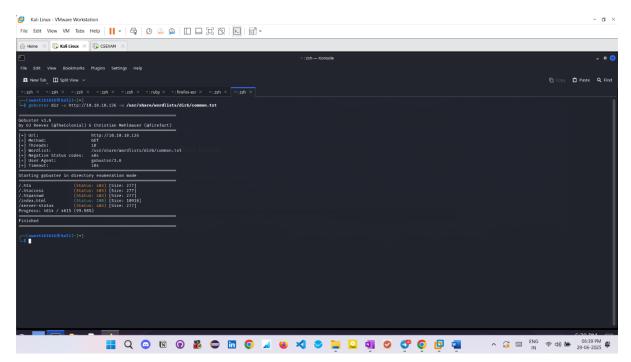
Step 6 – I opened the target ip in my browser and landed on a apache2 default homepage, which can now be used to proceed further



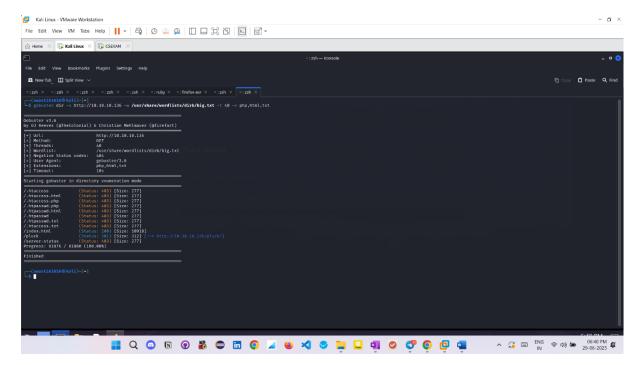


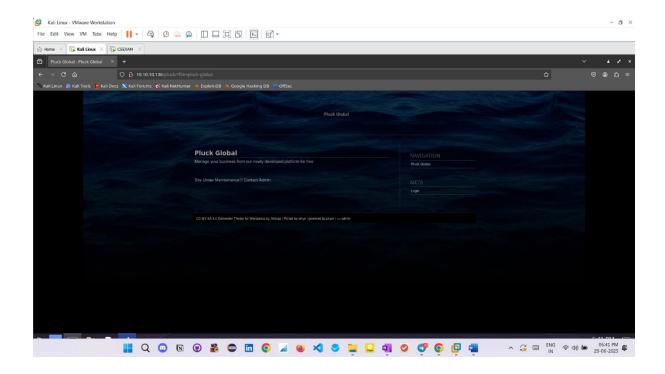
Step 7 – I decided to do directory fuzzing to find any hidden directories which could help

A) <u>I first used common wordlist, but couldn't</u> <u>get any directory except index.html</u>

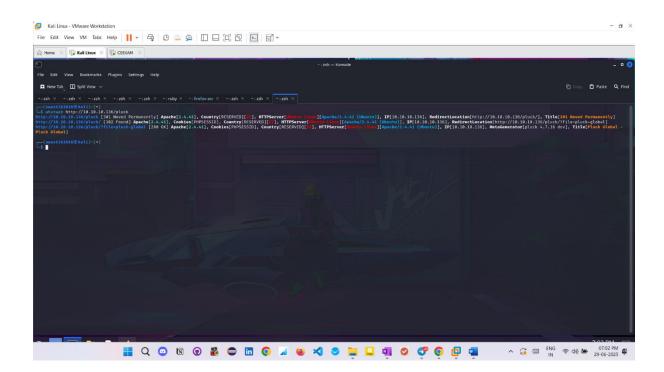


B) Then I used big wordlist and got/pluck directory which opened a login page

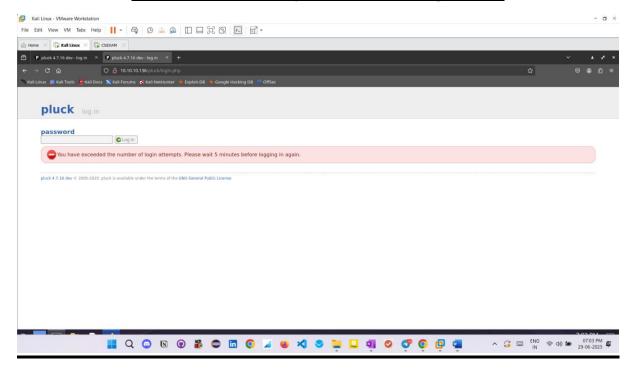




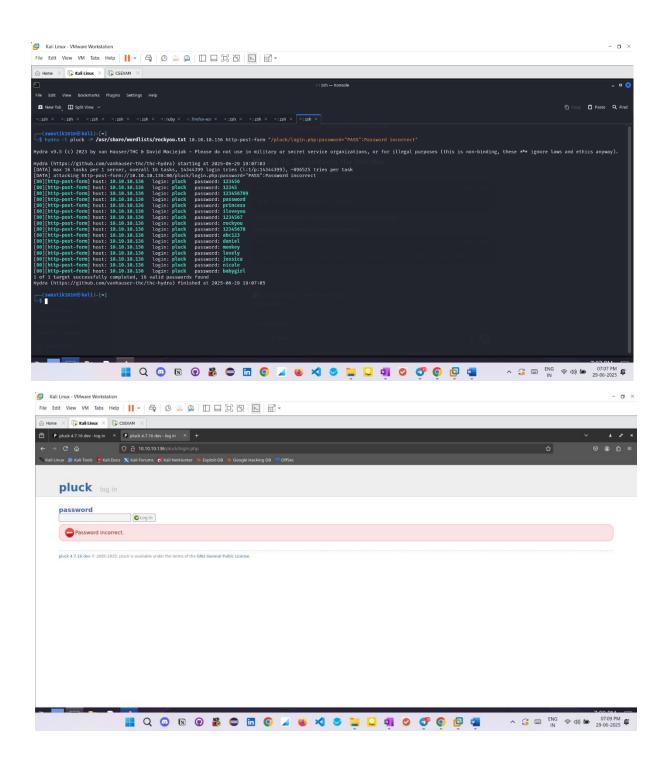
Step 8 - Then I tried whatweb to get some extra info



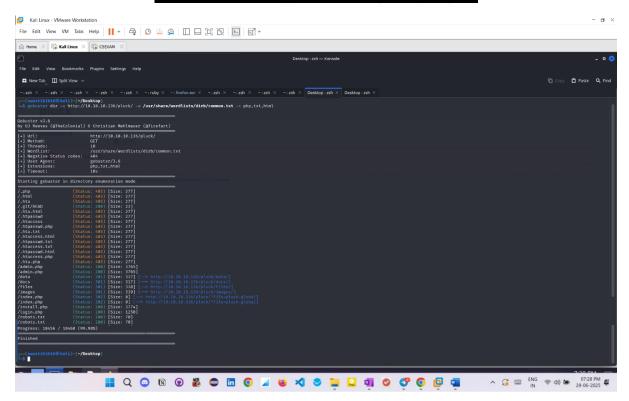
Step 9 – I went to the login page and tried common passwords like admin, password and 123456 which all gave the same message "Password Incorrect", and when I did multiple wrong attempts, it asked me to wait 5 minutes for exceeding limit



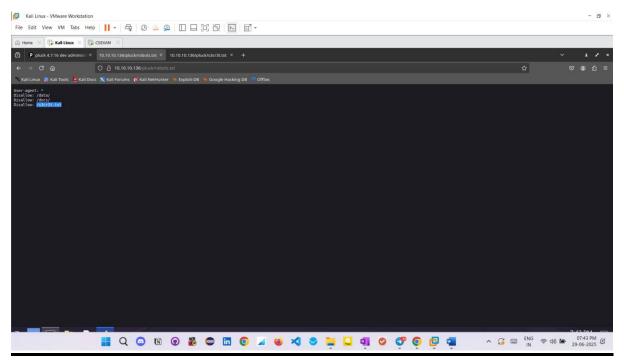
Step 10 – Then I decided to brute force the password using hydra, by also specifying the error messages that it gives.



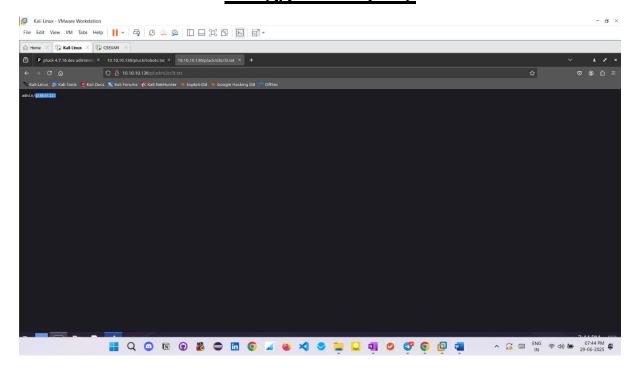
Step 11 – I tried all passwords but they were all wrong, so now I decided to do directory fuzzing again, but now on this pluck login page.

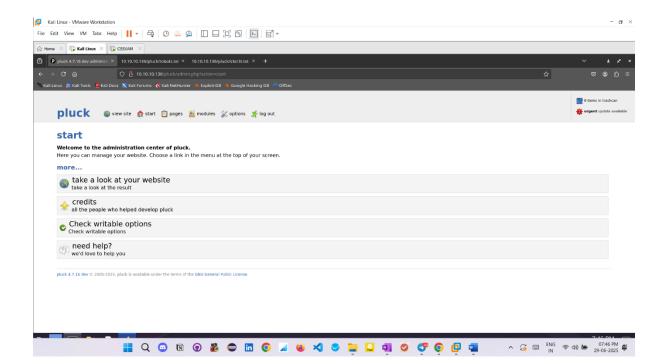


Step 12 – I opened all links of this result and finally in /robot.txt I found this secret directory:



Step 12 – I went to this directory and found the admin password (FINALLYYYY After 1hr 44 minute struggle and fun)





I tried opening all links available on the admin page, but couldn't figure out how to get pluck's password, still a lot to learn..still I am happy that I did it till here.

Really grateful to Cyber Secured India for this amazing internship.

