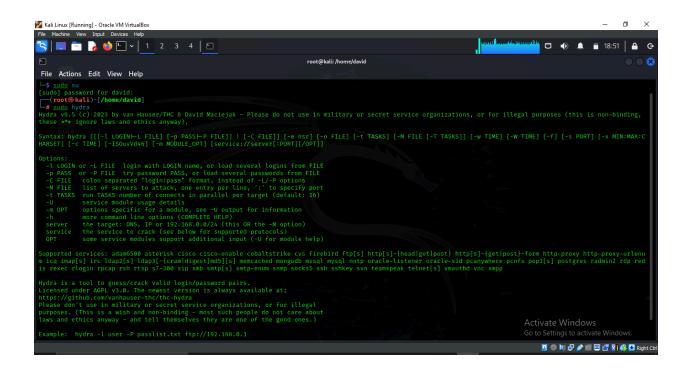
## **LAB 4:**

## CONDUCTING A DICTIONARY ATTACK TO CRACK PASSWORDS ONLINE, USING HYDRA.

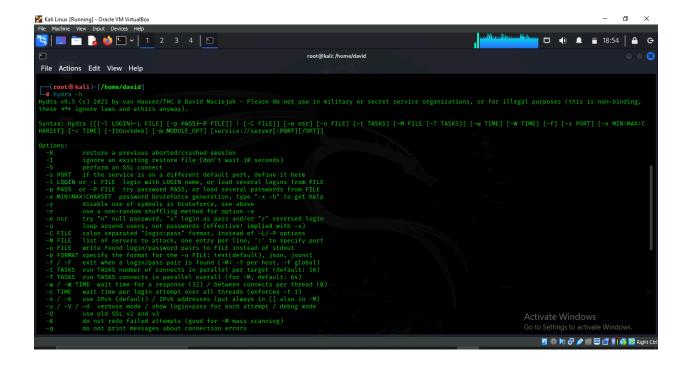
TOOL: KALI LINUX

TARGET SITE: http://testasp.vulnweb.com/Login.asp?RetURL=/Default.asp?

STEP 1: open the Hydra help menu with the following command as "root" user: sudo hydra

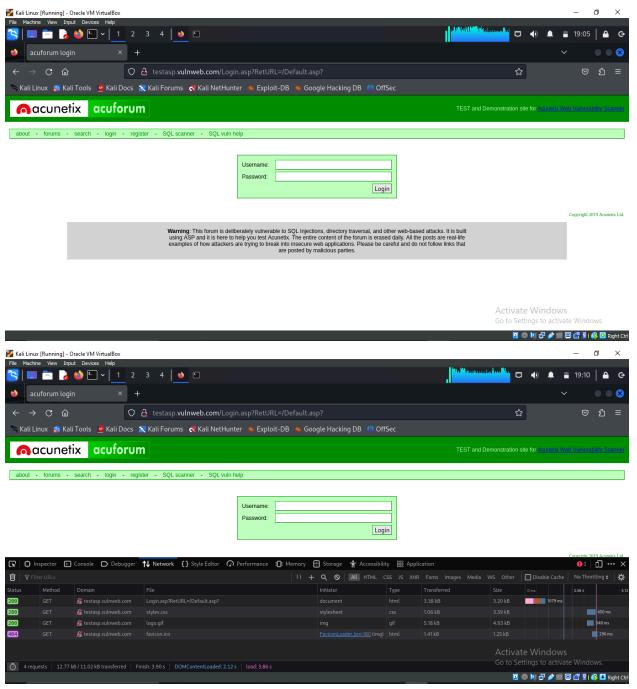


## STEP 2:Type "hydra -h" to get the help menu and see what kind of attacks we can run using Hydra

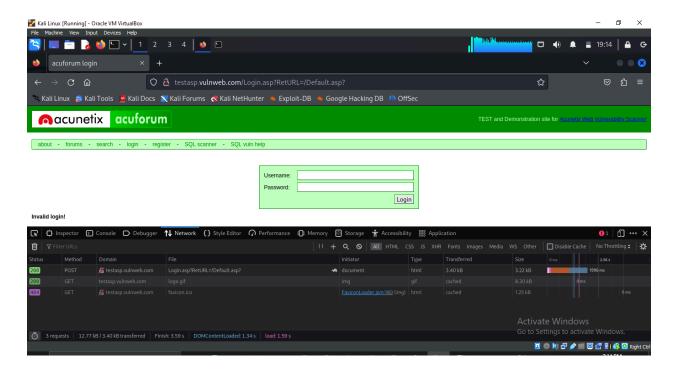


STEP 3:Open target site with web browser in Kali. Then, press ctrl + shift + I to open the browser developer tools panel.

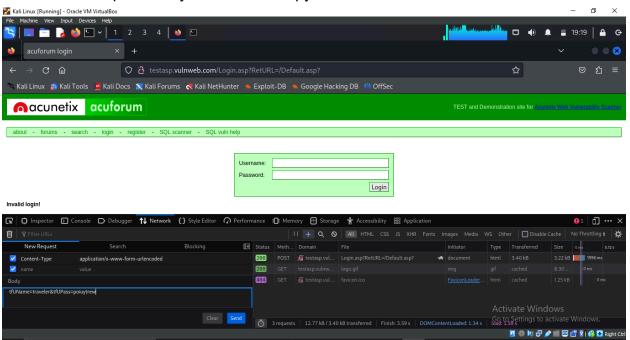
Navigate to the tab called "Network". When you are there, reload the page by pressing ctrl + F5.



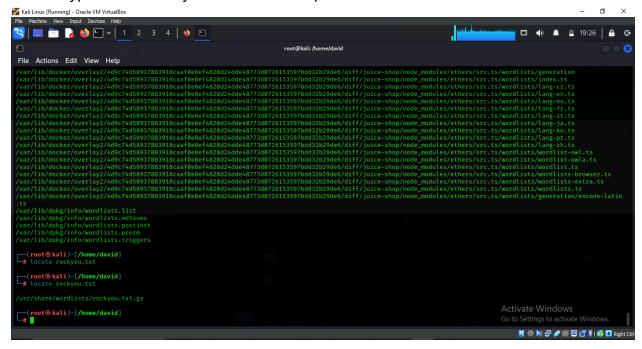
STEP 4:Enter a random username and password into the login page and click login. You should see a new POST request pop up in the Network tab.



STEP 5: Right click on the POST request and select "Edit and Resend". A page will open to the right of the Network header, with information regarding the POST request. Scroll down to the Request Body section and copy the tfUName and tfUPass Parameters.



STEP 6: We will attempt to login as admin. We will need to choose a wordlist to guess passwords to login as this account. Open the terminal and type: "locate wordlists" to see all the different wordlists Kali has installed. We will use the rockyou.txt wordlist for this attack. Type "locate rockyou.txt" to see the path to this wordlist.



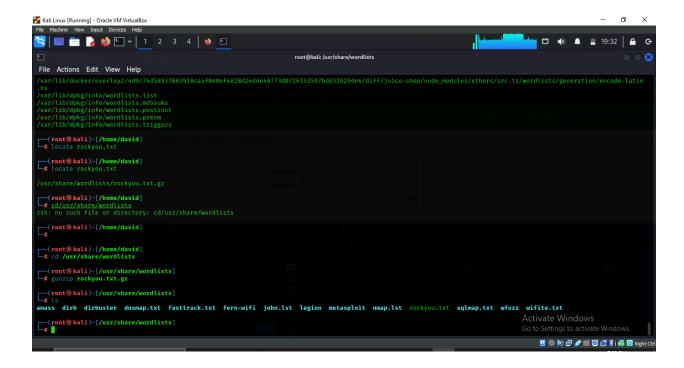
STEP 7: If the rockyou.txt wordlist file has a .gz extension on it, we will first need to extract the file. To do this, change directory to the wordlist directory using the following command:

cd /usr/share/wordlists

Then use the following command to extract the file:

gunzip rockyou.txt.gz

Type Is into the terminal after this and you will see that the rockyou.txt file is now available.



STEP 8: Attack by submitting the following command to hydra: hydra -l admin -P /usr/share/wordlists/rockyou.txt testasp.vulnweb.com http-post-form "/Login.asp?RetURL=/Default.asp?:tfUName=^USER^&tfUPass=^PASS^:S=logout" -vV -f

