RESEARCH ON DICTIONARY ATTACK TO CRACK ONLINE PASSWORDS USING HYDRA

Project Objective: Learn how to conduct a dictionary attack to crack passwords using Hydra. This involves vulnerability assessment.

Hydra is a tool that is used to perform brute force attacks. It is an advanced password cracker, which can be used to crack passwords for online pages.

A dictionary attack is a type of password attack which uses a combination of words from a word list and attempted all of them in association with a username to login as a user.

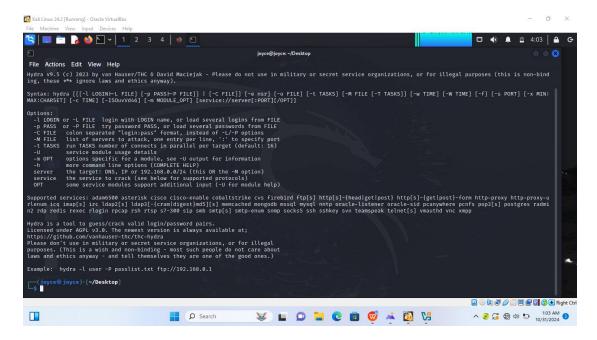
Project Tool: Kali linux(Hydra,wordlists)

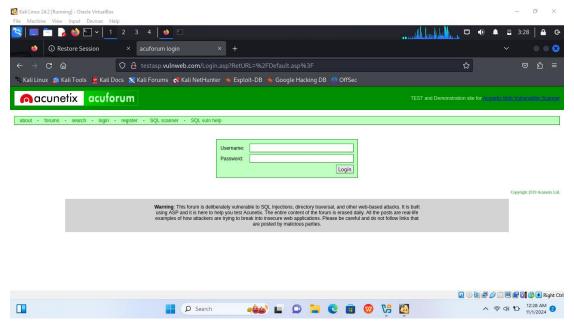
Sudo hydra



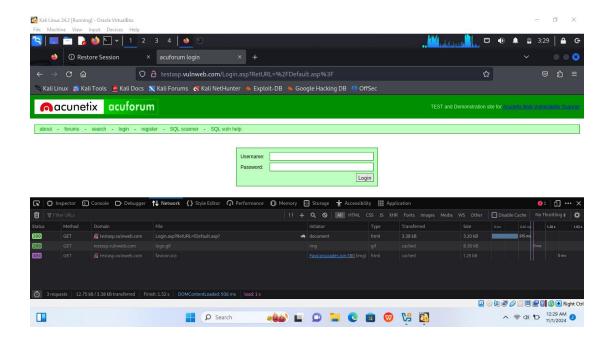
http://testasp.vulnweb.com/Login.asp? RetURL=/Default.asp?

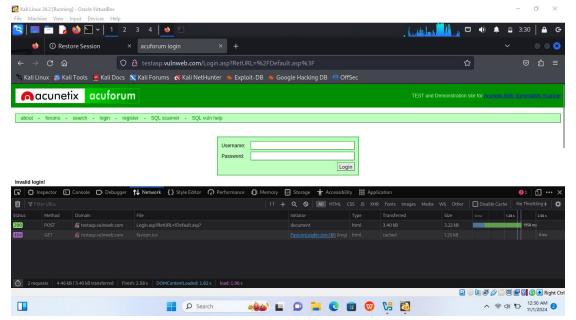
To use Hydra against an online target such as this site, it is required to capture the postform parameters.





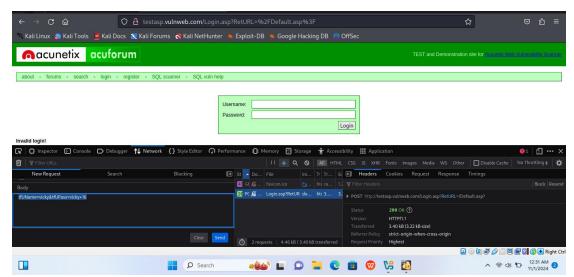
Hydra will use these parameters to send its various requests to the correct target.



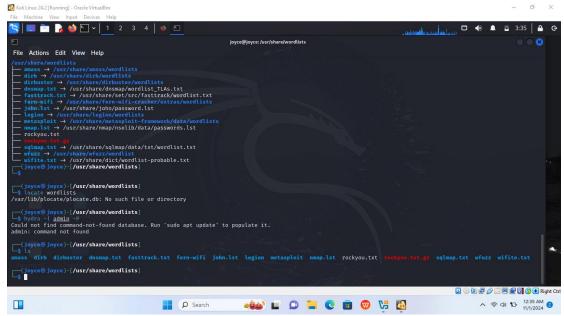


The tab called "Network", displays several (HTTP Method) GET requests. This machine is requesting data from the server.

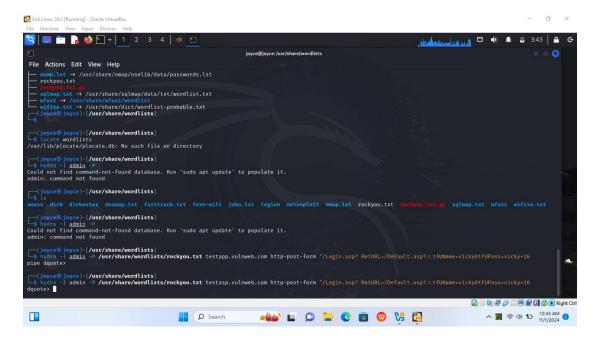
Entering a random username and login. There is a new POST request in the Network Tab. This request contains the parameters needed to brute force.



tfUName=vicky&tfUPass=vicky+16 - This was the login details



A word list is a collection of words or phrases, used for password cracking. In attempting to login as admin. A word list will be used to guess passwords to login as this account. Using rockyou.txt.gz



This is a research and example on Hydra attempting on a dictionary attack for a POST request.