Name	Directory Enumeration with Dirbuster
URL	https://attackdefense.com/challengedetails?cid=1883
Туре	Webapp Pentesting Basics

Important Note: This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic. Also, note that the IP addresses and domain names might be different in your lab.

Objective: Perform directory enumeration with Dirbuster

Solution:

Step 1: Start a terminal and check the IP address of the host.

Command: ip addr

```
root@attackdefense:~# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
24861: eth0@if24862: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:0a:01:01:05 brd ff:ff:ff:ff:ff link-netnsid 0
    inet 10.1.1.5/24 brd 10.1.1.255 scope global eth0
        valid_lft forever preferred_lft forever
24864: eth1@if24865: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:c0:9c:cf:02 brd ff:ff:ff:ff:ff link-netnsid 0
    inet 192.156.207.2/24 brd 192.156.207.255 scope global eth1
        valid_lft forever preferred_lft forever
root@attackdefense:~#
```

Step 2: Run Nmap scan on the target IP to find open ports.

Note: The target IP will be 192.156.207.3

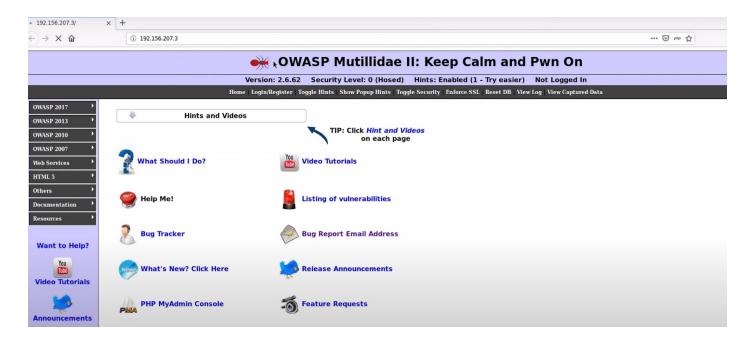
Command: nmap 192.156.207.3

```
root@attackdefense:~# nmap 192.156.207.3
Starting Nmap 7.70 ( https://nmap.org ) at 2020-05-19 18:57 IST
Nmap scan report for target-1 (192.156.207.3)
Host is up (0.000013s latency).
Not shown: 998 closed ports
PORT STATE SERVICE
80/tcp open http
3306/tcp open mysql
MAC Address: 02:42:C0:9C:CF:03 (Unknown)

Nmap done: 1 IP address (1 host up) scanned in 0.21 seconds
root@attackdefense:~#
```

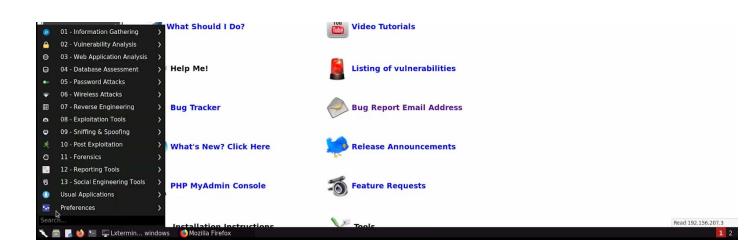
Port 80 and Port 3306 are open

Step 3: Start firefox and navigate to the target IP.

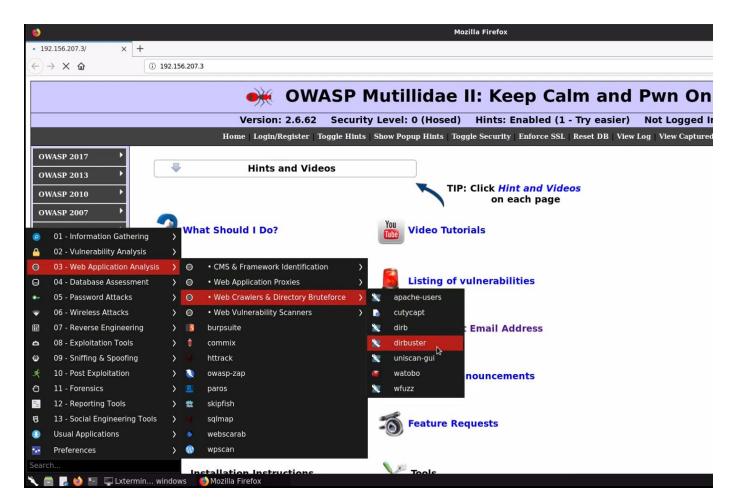


An instance of Mutillidae is running at port 80 of the target.

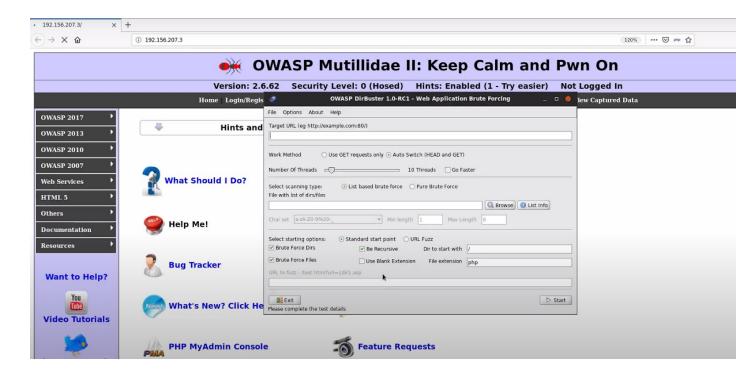
Step 4: Click on the menu (start) button.



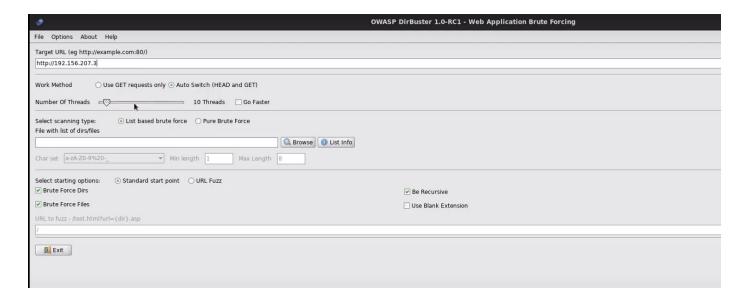
Navigate to Web application Analysis then Web Crawlers & Directory Bruteforce



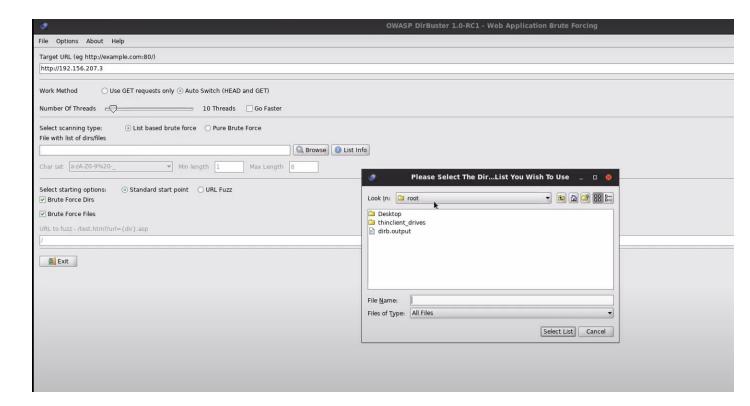
Click on "dirbuster".



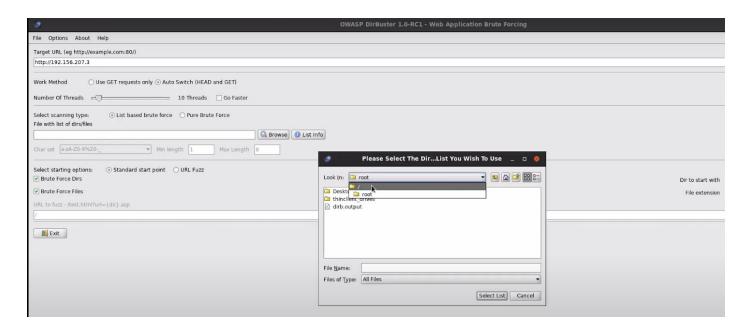
Step 5: Enter the target URL and select "Auto Switch" in Work Method



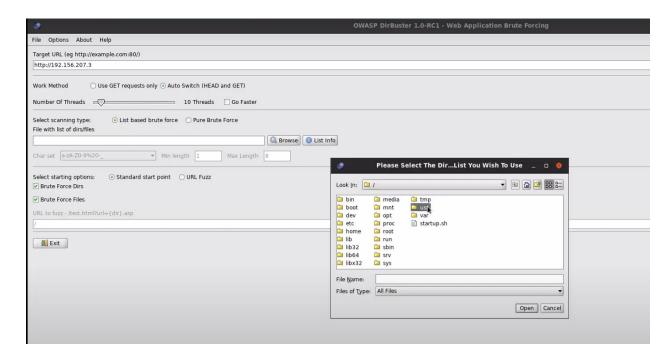
Click on the "Browse" button to select the wordlist.



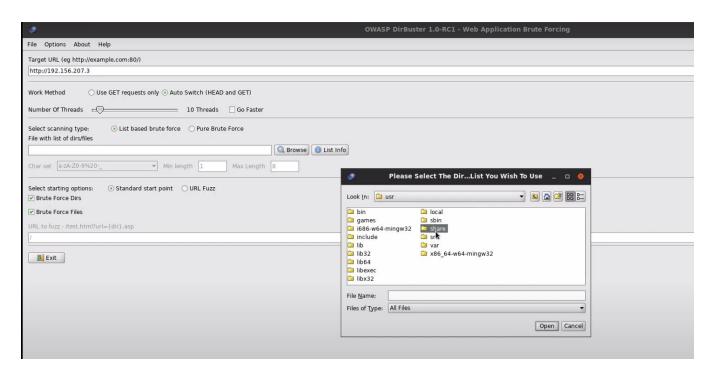
Click on the drop-down menu and choose the root directory (/)



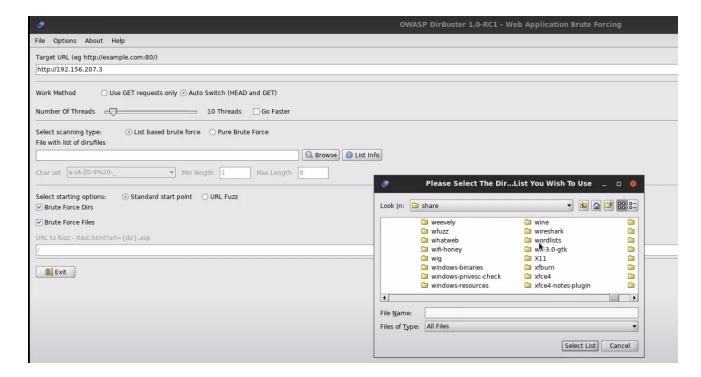
Choose the "usr" directory.



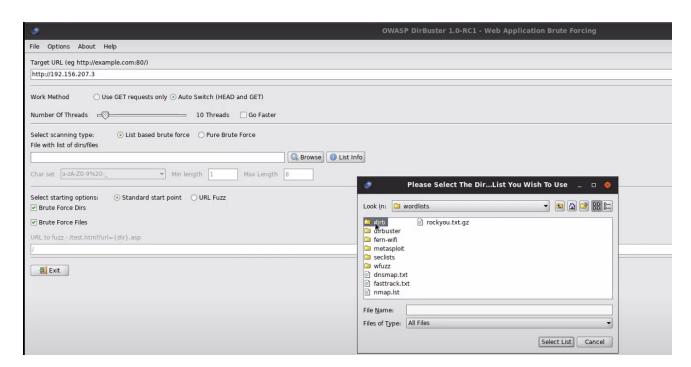
Click on the "share" directory.



Click on "Wordlists" directory.

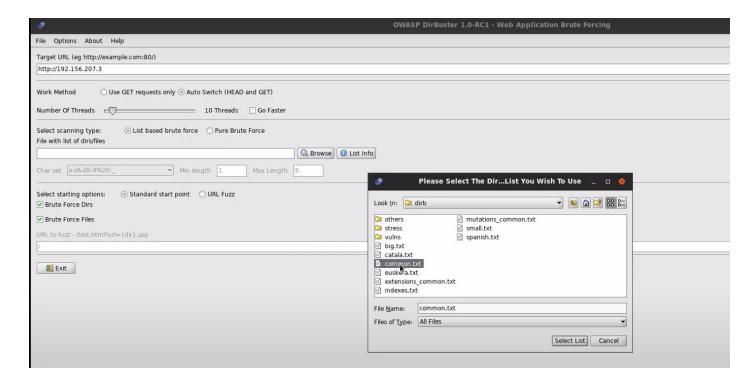


Choose "dirb" directory.

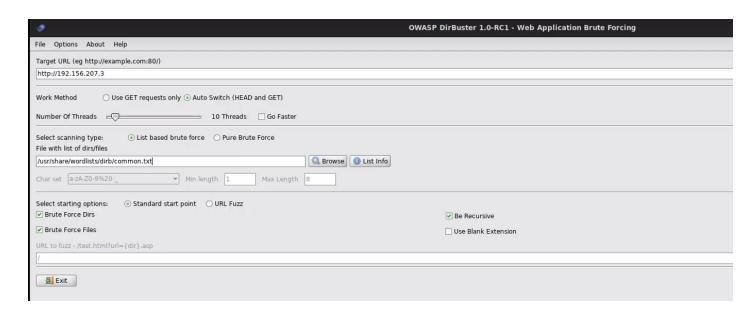


OZT OST OVT

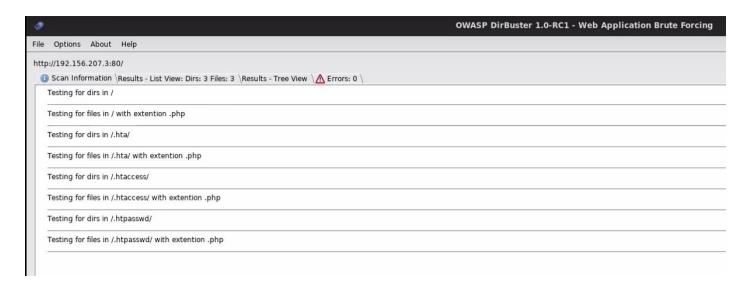
Select "common.txt" as the wordlist.



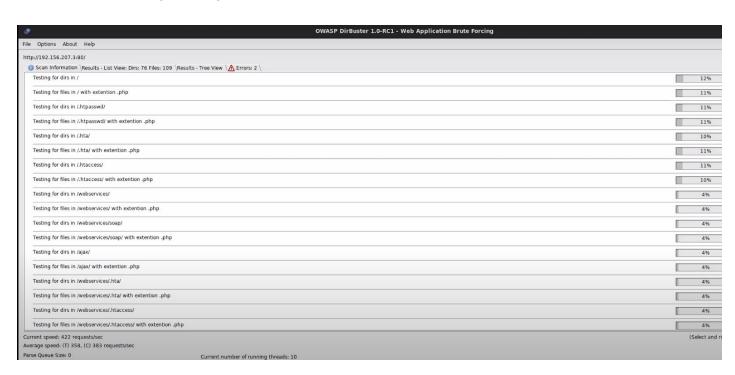
The wordlist is selected.



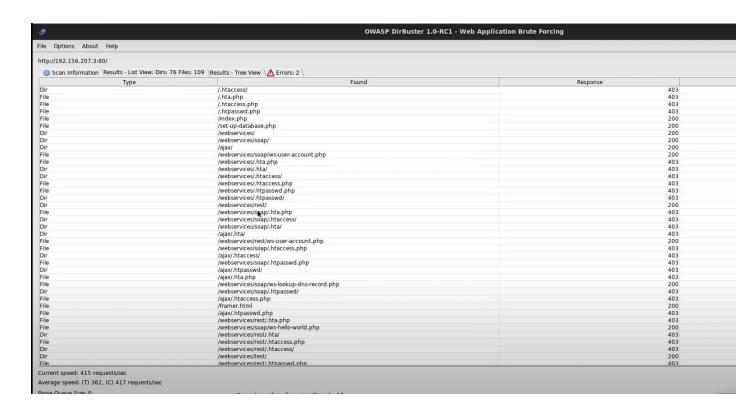
Step 6: Click on the Start button.



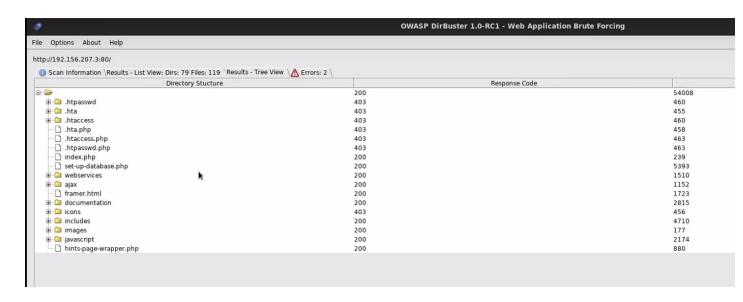
Wait for some time to get enough results.



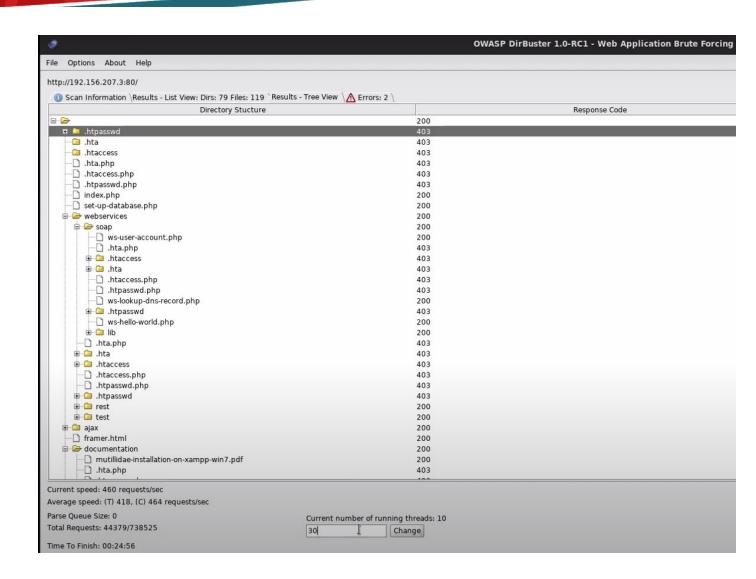
Step 7: Click on the "Results - List Views" button in order to see the results.



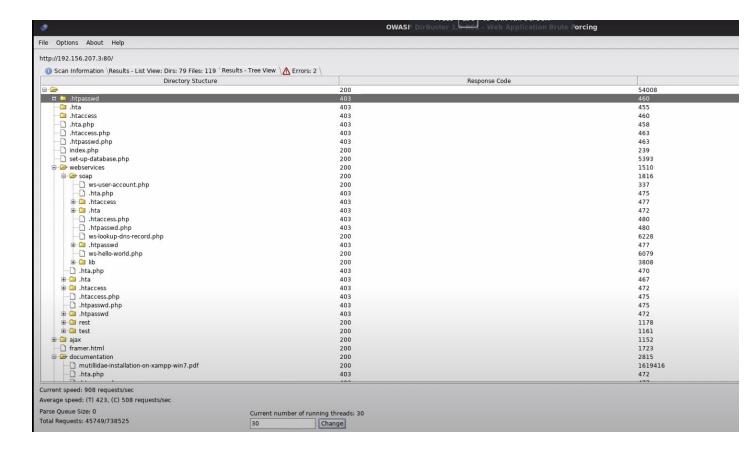
Click on the "Results - Tree View" to get the results in tree format.



Step 8: Increase the threads up to 30 to get results faster. Enter 30 in the "Current number of threads".



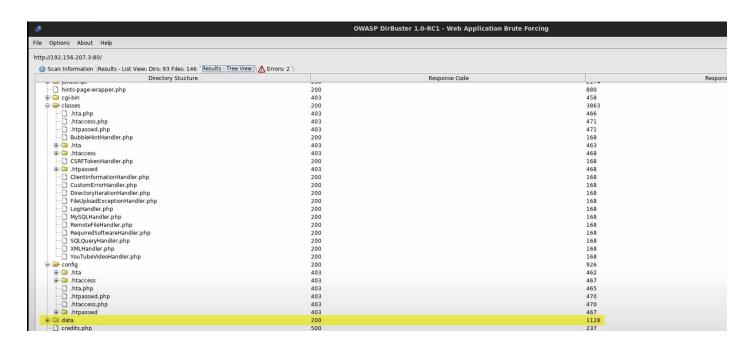
Click on the Change button.



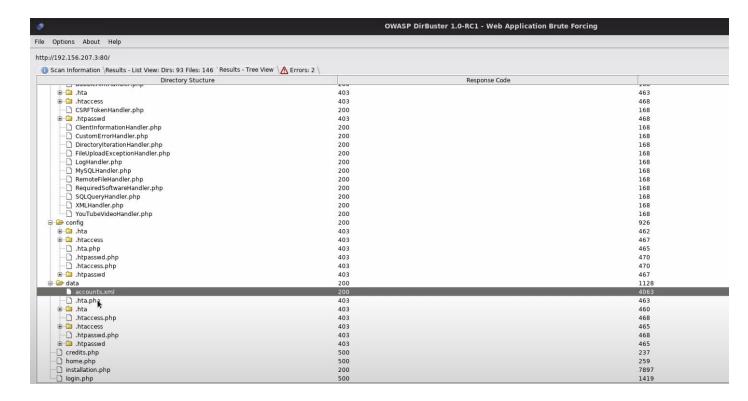
The threads are modified from 10 to 30.

Step 9: Find the data directory in the Results - Tree View.

Note: If the data directory is not available, Wait for a while or increase the number of threads.



Step 10: Click on the dropdown button to get the contents inside the data directory.



Account.xml is found inside the data directory.

References:

- 1. Dirbuster (https://sourceforge.net/projects/dirbuster/)
- 2. Mutillidae (https://sourceforge.net/projects/mutillidae/)