Startup_THM

Enumuration

Ftp anonymous session allowed

PORT STATE SERVICE VERSION

- # we see that a dir on webserver as /files which is basically the ftp server
- # so we put a web shell on it and get a reverse shell

Nmap

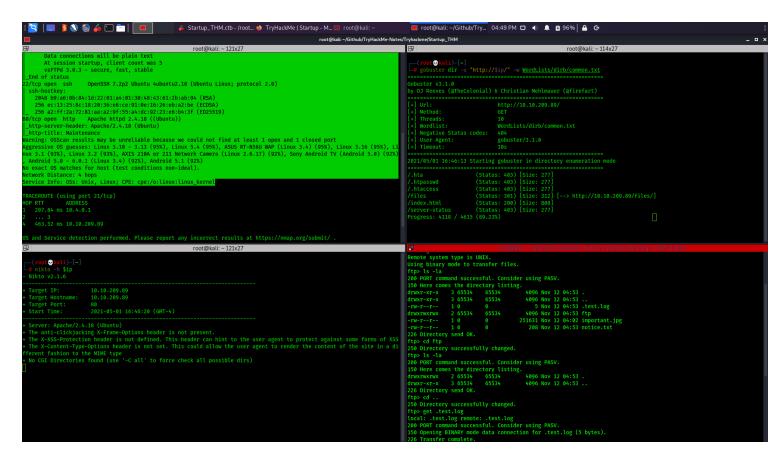
```
21/tcp open ftp vsftpd 3.0.3
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
4096 Nov 12 04:53 ftp [NSE: writeable]
                 0
| -rw-r--r-- 1 0
                            251631 Nov 12 04:02 important.jpg
                    0
                              208 Nov 12 04:53 notice.txt
| -rw-r--r--
           10
| ftp-syst:
  STAT:
 FTP server status:
    Connected to 10.4.30.255
    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 5
    vsFTPd 3.0.3 - secure, fast, stable
| End of status
22/tcp open ssh
                   OpenSSH 7.2p2 Ubuntu 4ubuntu2.10 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
2048 b9:a6:0b:84:1d:22:01:a4:01:30:48:43:61:2b:ab:94 (RSA)
256 ec:13:25:8c:18:20:36:e6:ce:91:0e:16:26:eb:a2:be (ECDSA)
__ 256 a2:ff:2a:72:81:aa:a2:9f:55:a4:dc:92:23:e6:b4:3f (ED25519)
80/tcp open http Apache httpd 2.4.18 ((Ubuntu))
|_http-server-header: Apache/2.4.18 (Ubuntu)
|_http-title: Maintenance
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Aggressive OS guesses: Linux 3.10 - 3.13 (95%), Linux 5.4 (95%), ASUS RT-N56U WAP (Linux 3.4) (95%), Linux 3.16 (95%), Linux 3.1
(93%), Linux 3.2 (93%), AXIS 210A or 211 Network Camera (Linux 2.6.17) (92%), Sony Android TV (Android 5.0) (92%), Android 5.0 -
6.0.1 (Linux 3.4) (92%), Android 5.1 (92%)
No exact OS matches for host (test conditions non-ideal).
```

FTP:21

- # Anonymous session allowed
- # Got a few files in ftp

Network Distance: 4 hops

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



#

SSH:22

HTTP:80

Gobuster

/.hta (Status: 403) [Size: 277] /.htpasswd (Status: 403) [Size: 277] /.htaccess (Status: 403) [Size: 277]

/files (Status: 301) [Size: 312] [--> http://10.10.209.89/files/]

/index.html (Status: 200) [Size: 808] /server-status (Status: 403) [Size: 277]

Exploitation

PostExploitation

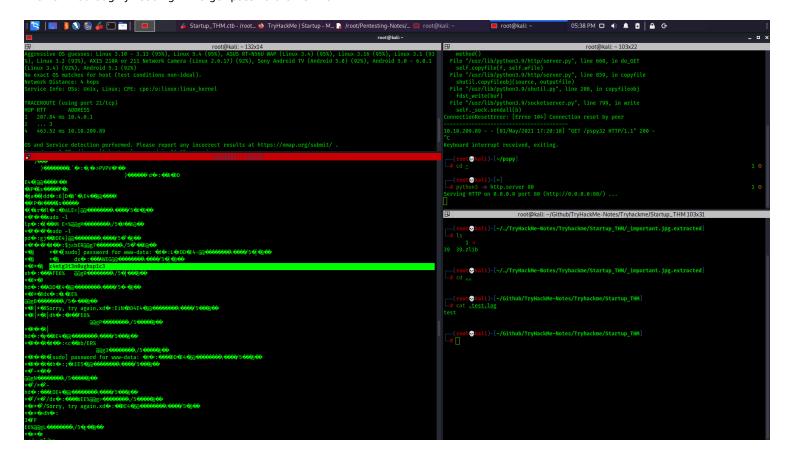
- # AFter logging we tried manual emuration but its of no use
- # THen i found a incident directory which is owned by www-data
- # In it we get a packetdump file and after thouroughly reading it we get lennies password c4ntg3t3n0ughsp1c3
- # WE saw a print.sh script earlier in /etc/directory which was owned by lennie user

- # In lennie script directory we have a planner script run by root and we have only execute permission
- # so we copied bash binary to a tmp binary and set suid to it and echoed it into print.sh script because its owned by us

#we then wait for the secret cronjob to run and then we simply run our binary as priveleged mode (-p) and got root

www-data to lennie

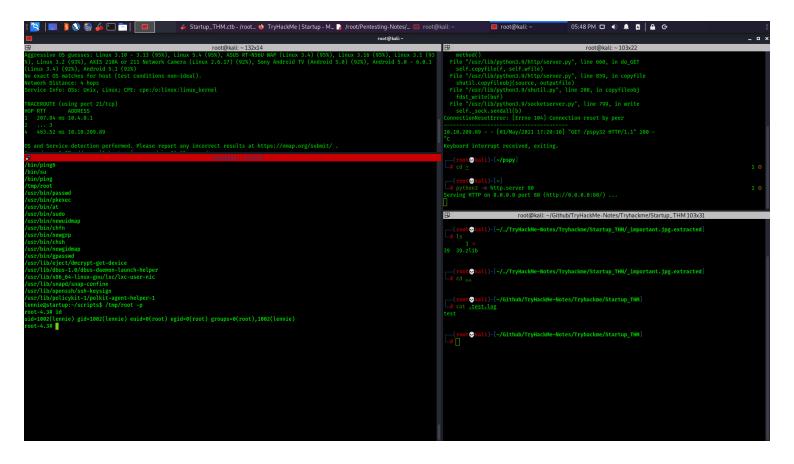
- # after logging in we see a directory named incidents and it has a wiresharfk packetdump file
- # after thouroughly reading it we get password of lennie



#

lennie to root

- # WE saw a print.sh script earlier in /etc/directory which was owned by lennie user
- # In lennie script directory we have a planner script run by root and we have only execute permission
- # so we copied bash binary to a tmp binary and set suid to it and echoed it into print.sh script because its owned by us
- #we then wait for the secret cronjob to run and then we simply run our binary as priveleged mode (-p) and got root



Loot

Credentials

lennie user password

c4ntg3t3n0ughsp1c3

#

Flags

USer flag

THM{03ce3d619b80ccbfb3b7fc81e46c0e79}

Root FLag

THM{f963aaa6a430f210222158ae15c3d76d}