report

Offensive Security - Levram

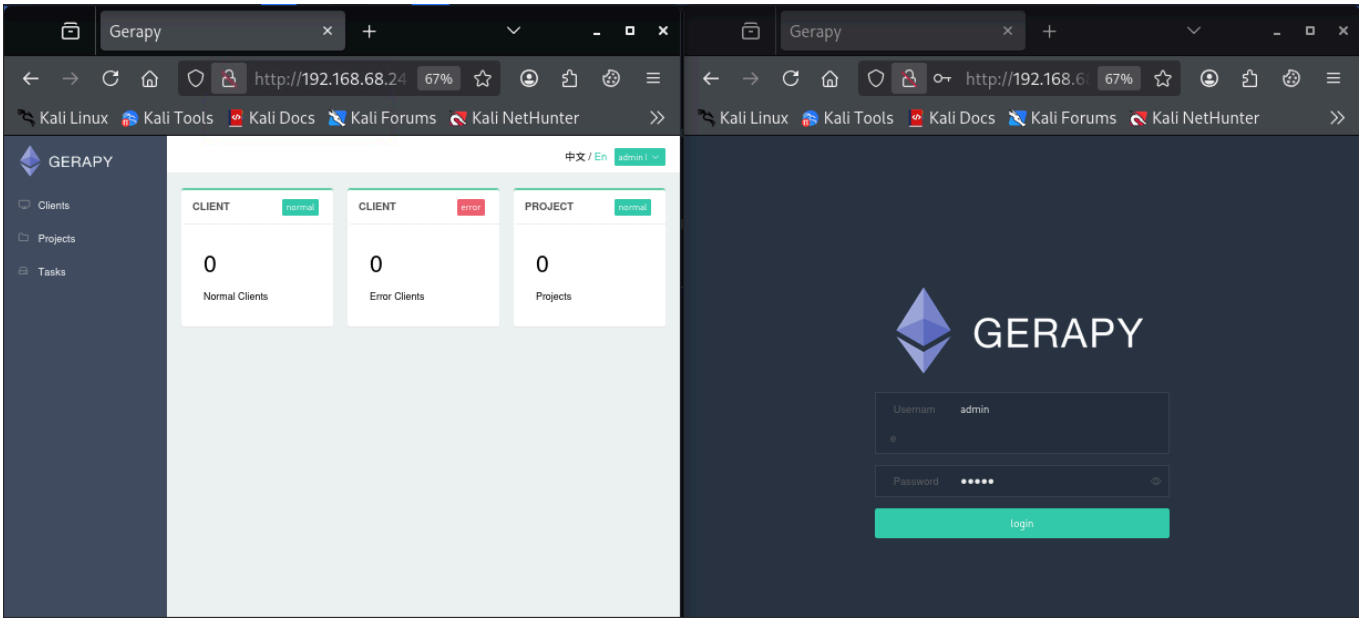
Henry Post

Recon

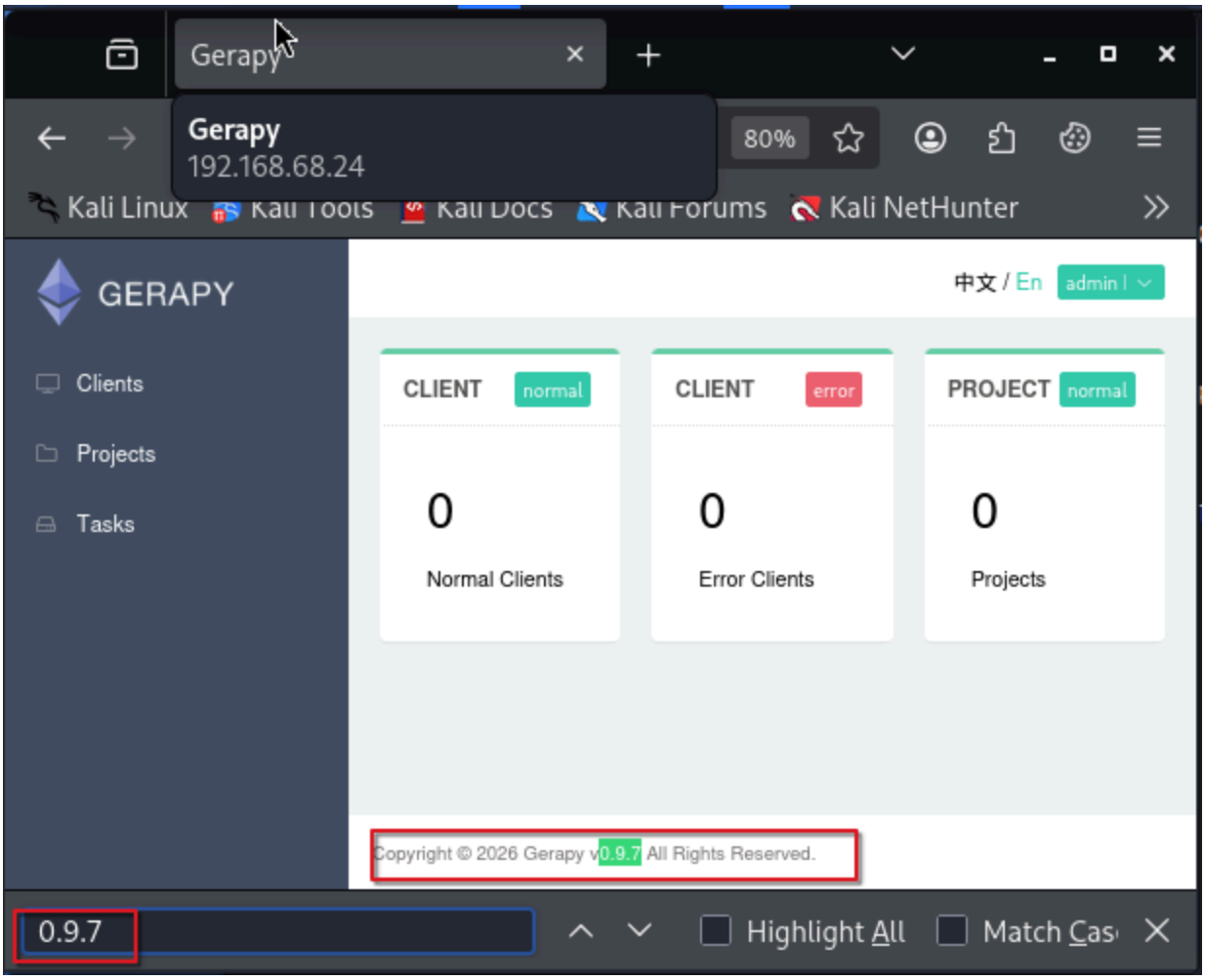
An `nmap` scan shows two ports open: 22 and 8000.

```
┌──(kali㉿kali)-[~]
└─$ nmap -sS -sV $TARGET
Starting Nmap 7.98 ( https://nmap.org ) at 2026-03-04 15:50 +0000
Nmap scan report for 192.168.68.24
Host is up (0.00044s latency).
Not shown: 998 closed tcp ports (reset)
PORT     STATE SERVICE VERSION
22/tcp   open  ssh     OpenSSH 8.9p1 Ubuntu 3 (Ubuntu Linux; protocol 2.0)
8000/tcp open  http    WSGIServer 0.2 (Python 3.10.6)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 6.92 seconds

┌──(kali㉿kali)-[~]
└─$ date
Wed Mar  4 03:51:03 PM UTC 2026
```

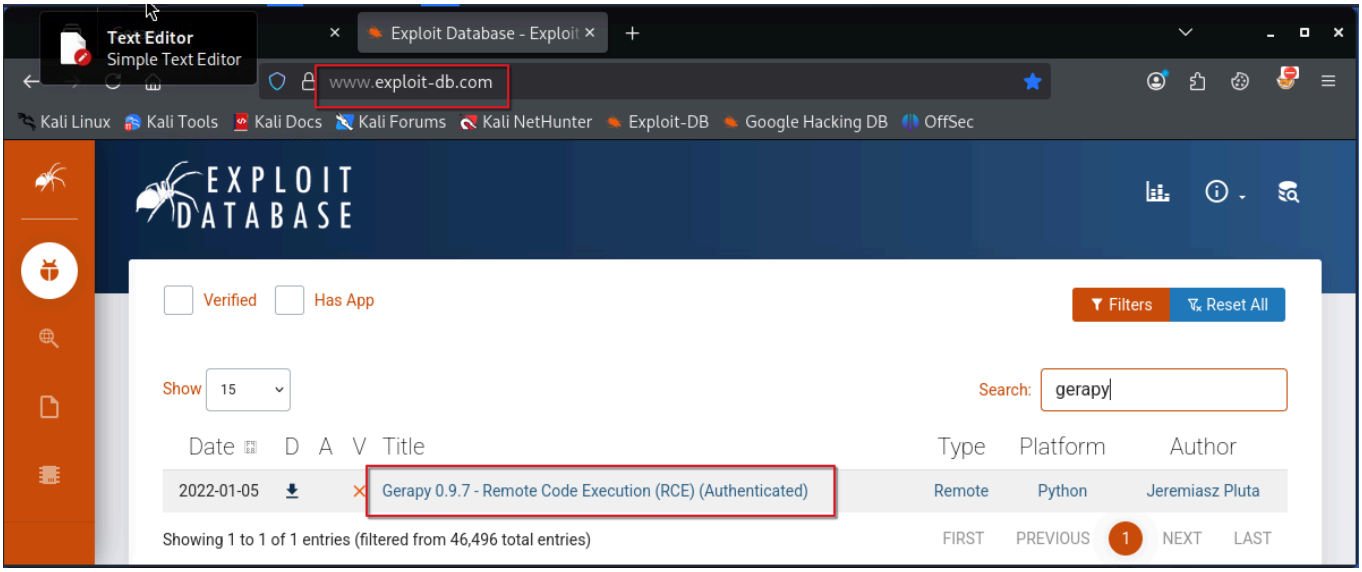
Port 8000 is running a server that I can log in with the `admin:admin` credential.



I notice that `gerapy 0.9.7` is a version of this web portal.

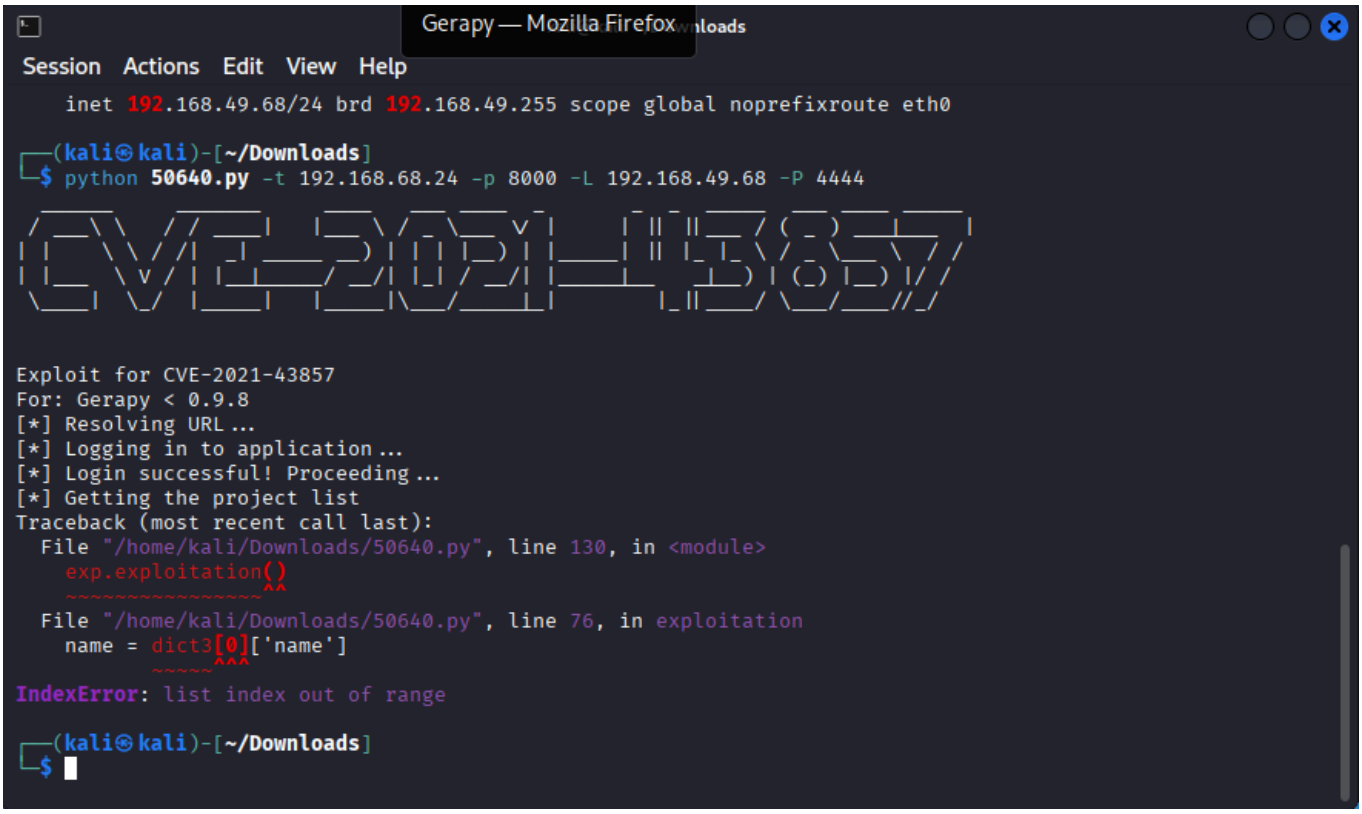


So I searched for it in `exploit-db.com` and found an exploit.

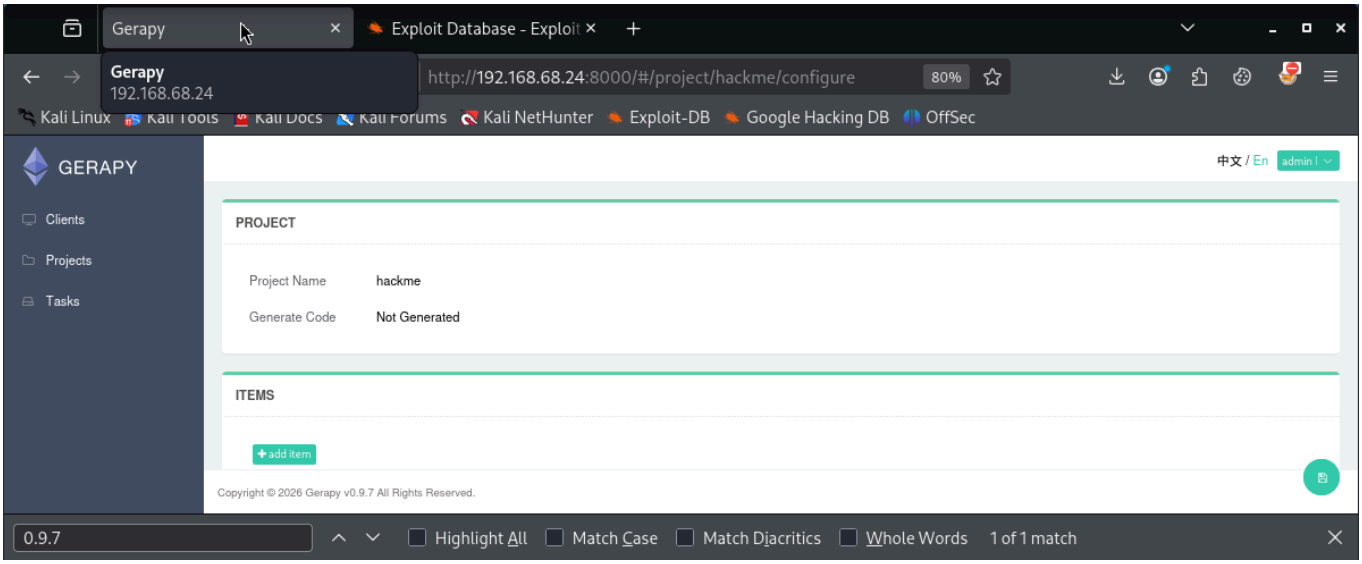


Exploit

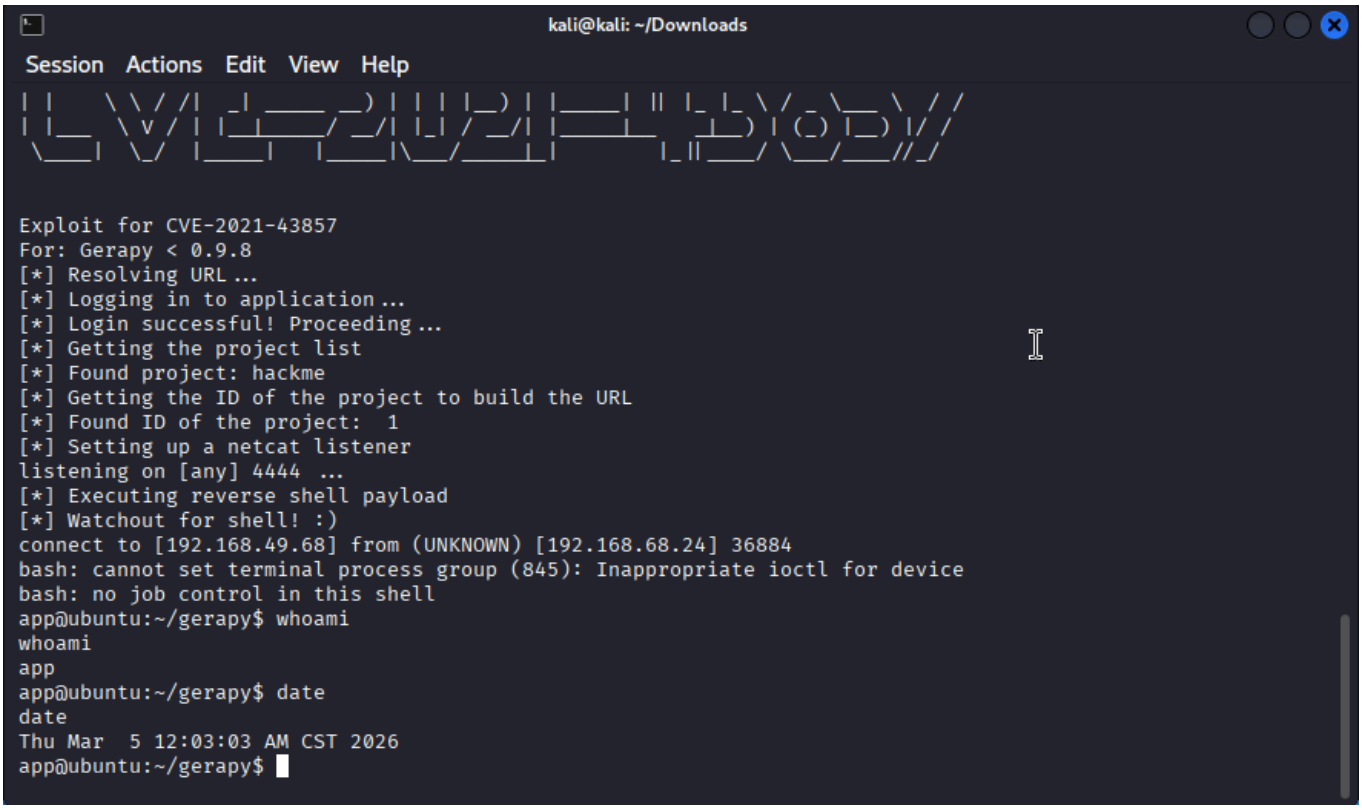
Running the exploit initially fails. I am guessing due to an empty Projects list.



So I create a "project" in gerapy.



Then, I run it again, and it works! We have non-root shell.

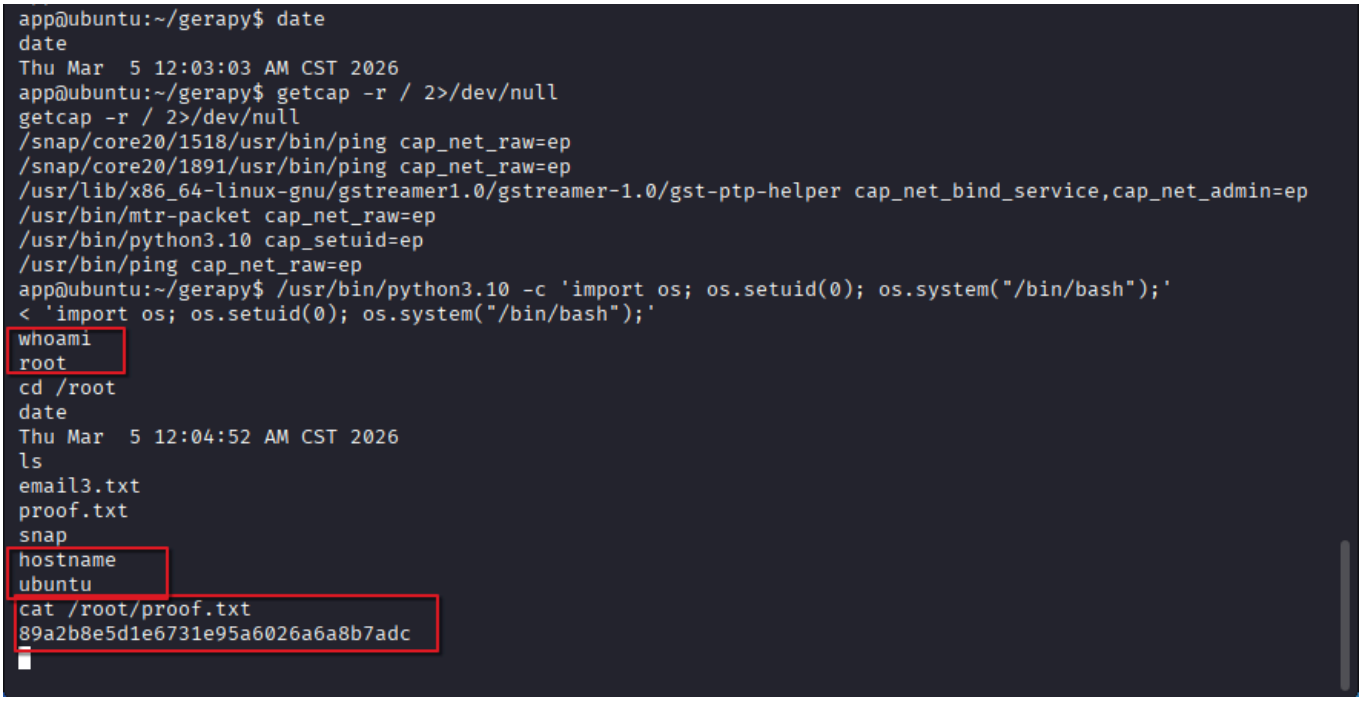


I searched for `setuid` permissions by using `getcap -r / 2>/dev/null`.

In Linux, `setuid` means that an executable file can be run as the owner, so if the user called `root` owns a binary, we can run it as that user.

I then run `/usr/bin/python3.10 -c 'import os; os.setuid(0); os.system("/bin/bash")'` to get a shell as root.

And we can steal the root flag.



Recommendations

Upgrade gerapy immediately to the latest version.

Do not use default credentials.