

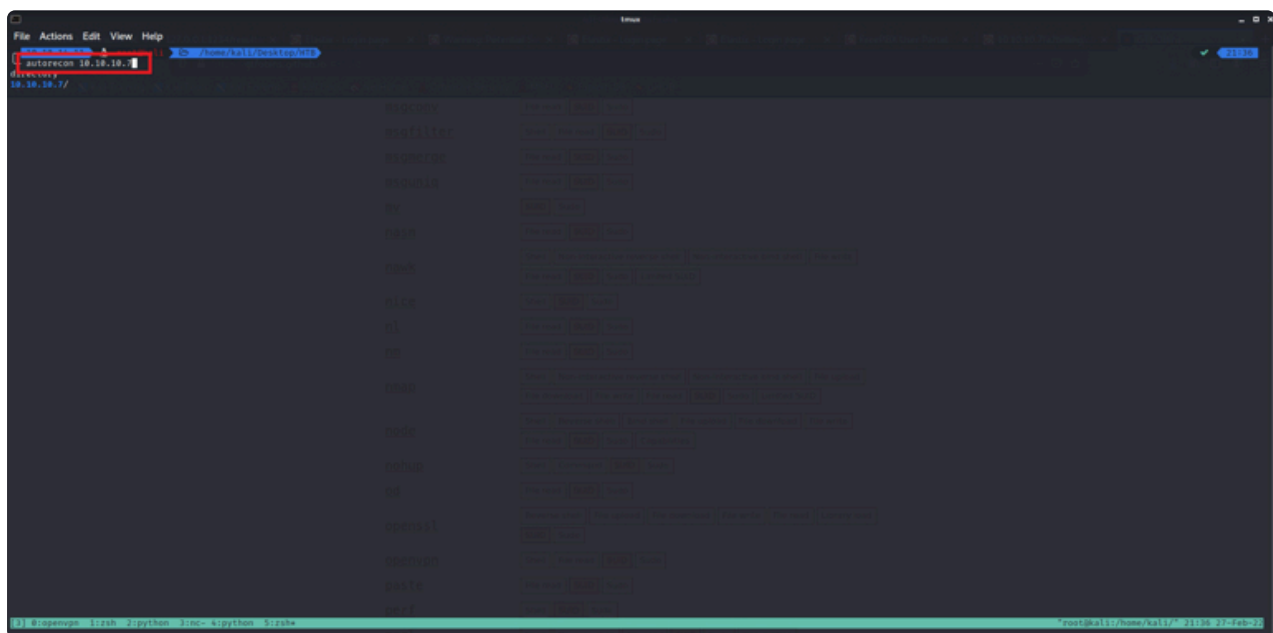
HTB Beep

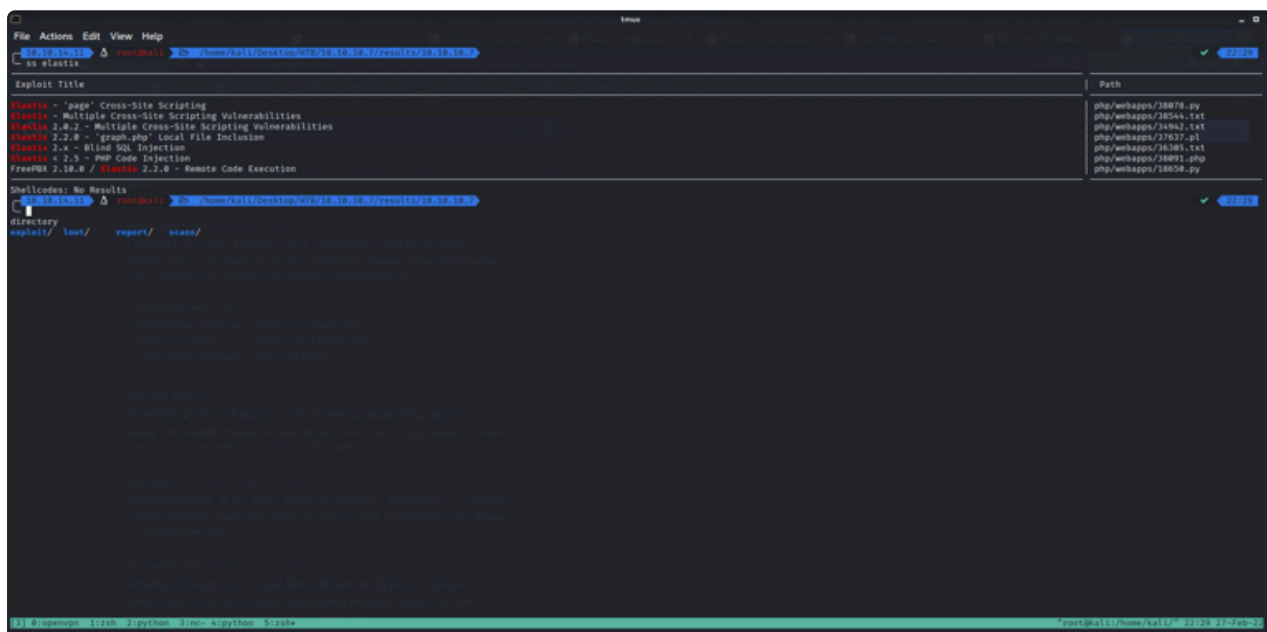
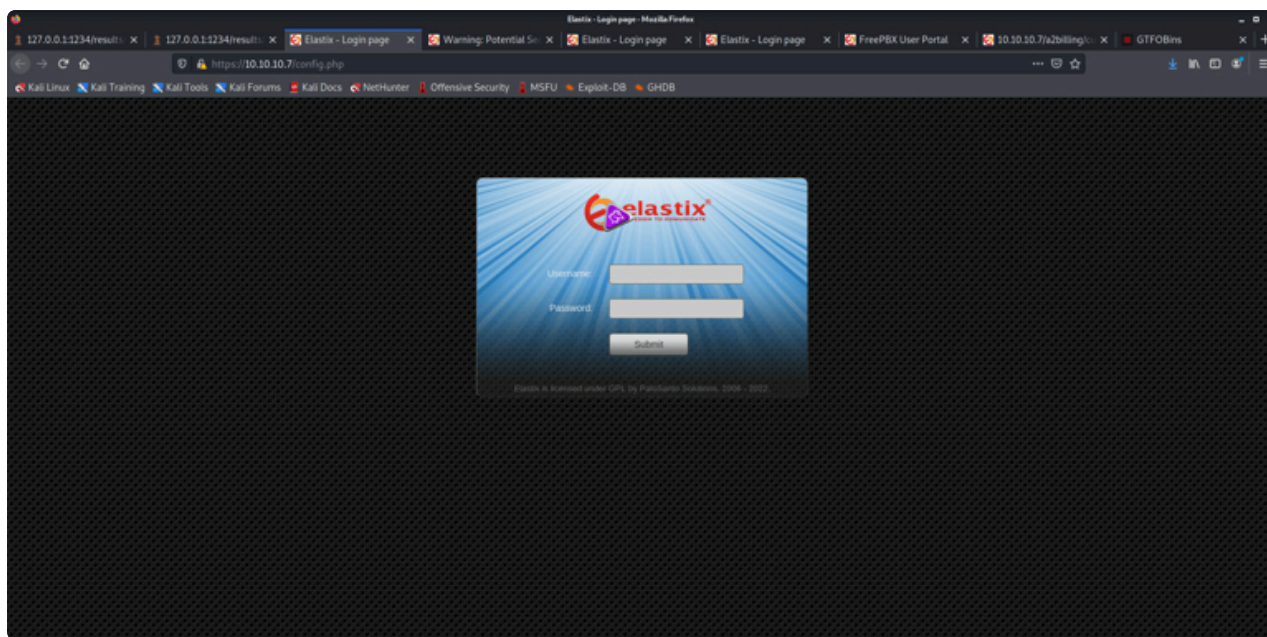
The following is walkthrough of the HTB machine beep.

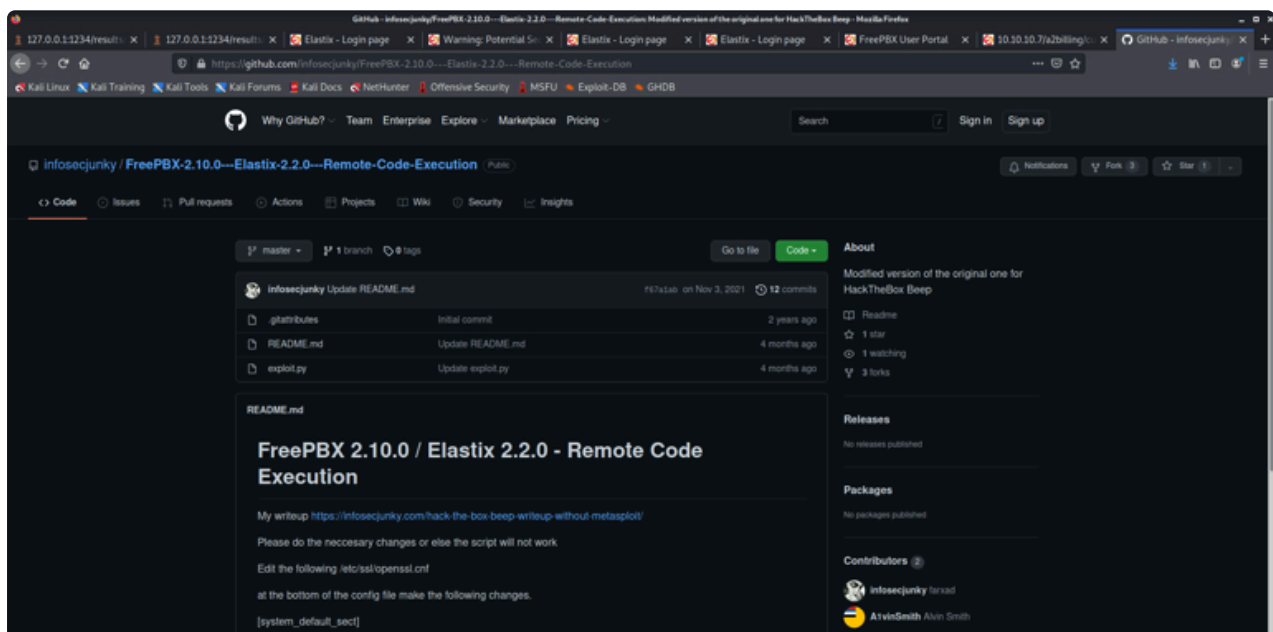
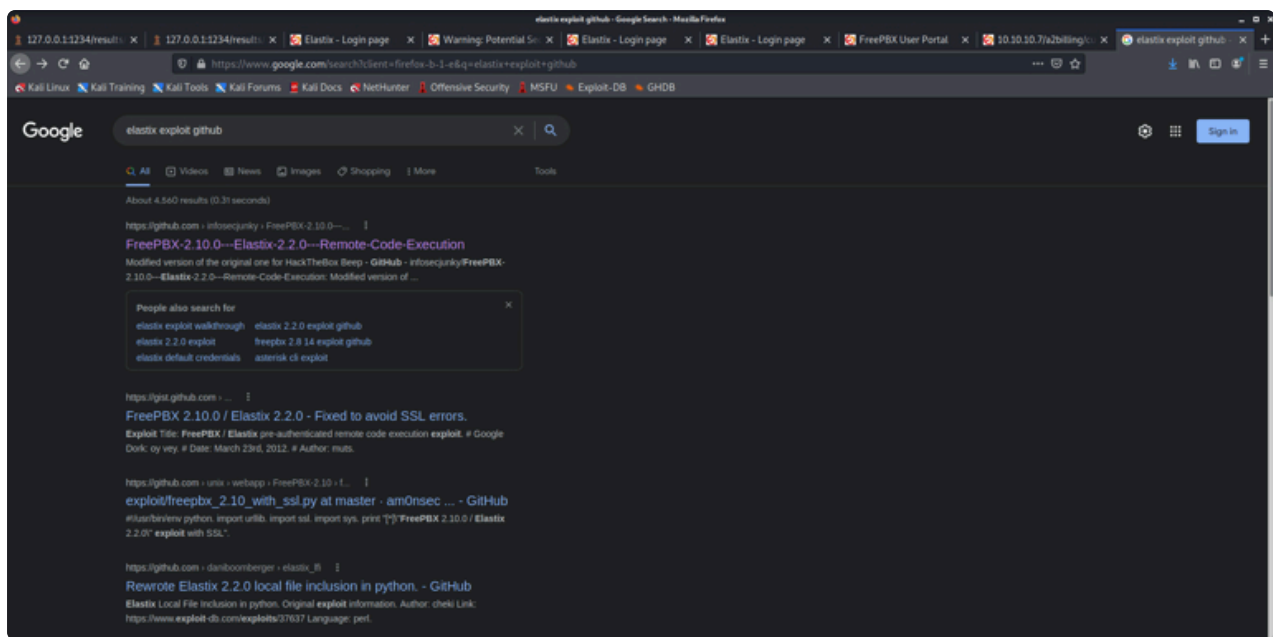
Walkthrough

Beep has an IP of 10.10.10.7

First thing we do is connect with our VPN pack from HTB and then run our Nmap scans. Furthermore, from there we can host the scan results on an HTTP server using Updog and enumerate further.





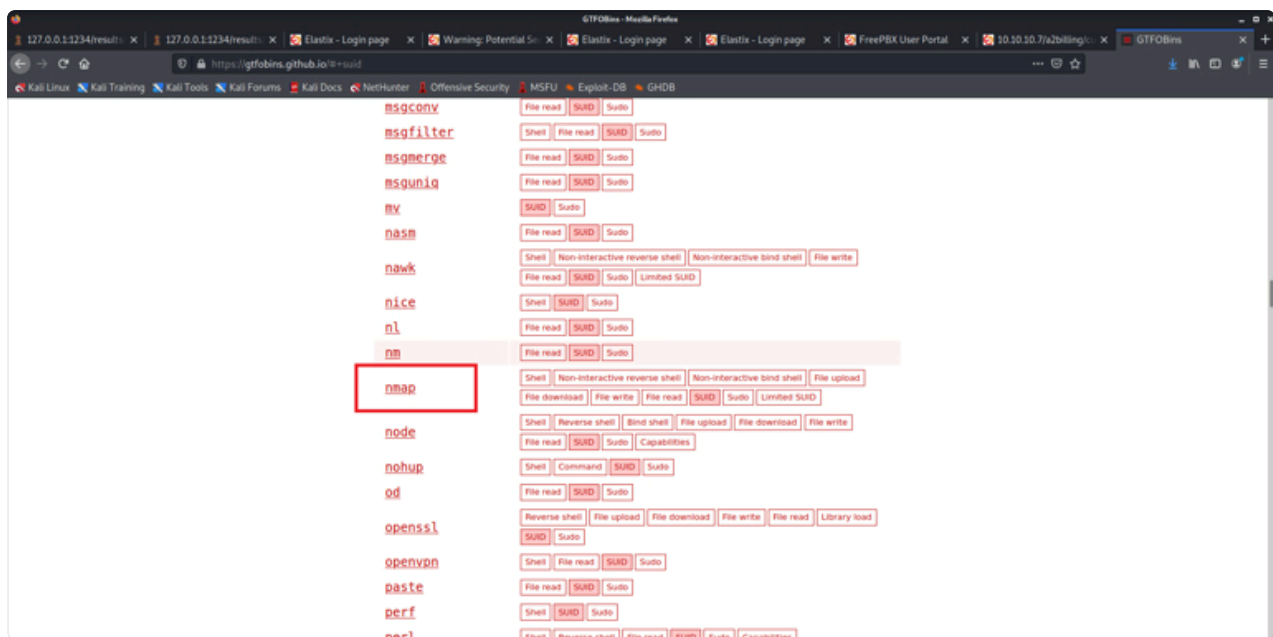


The following is how we download the git repository with the Elastix exploit and run a netcat reverse shell with a listener on port 4444 and edit the python exploit file to point at the vulnerable HTB machine. Additionally, we have to edit the openssl.conf file in order for this exploit to work according to the README file in the Elastix exploit repo and then we can run the python exploit and receive our reverse shell.

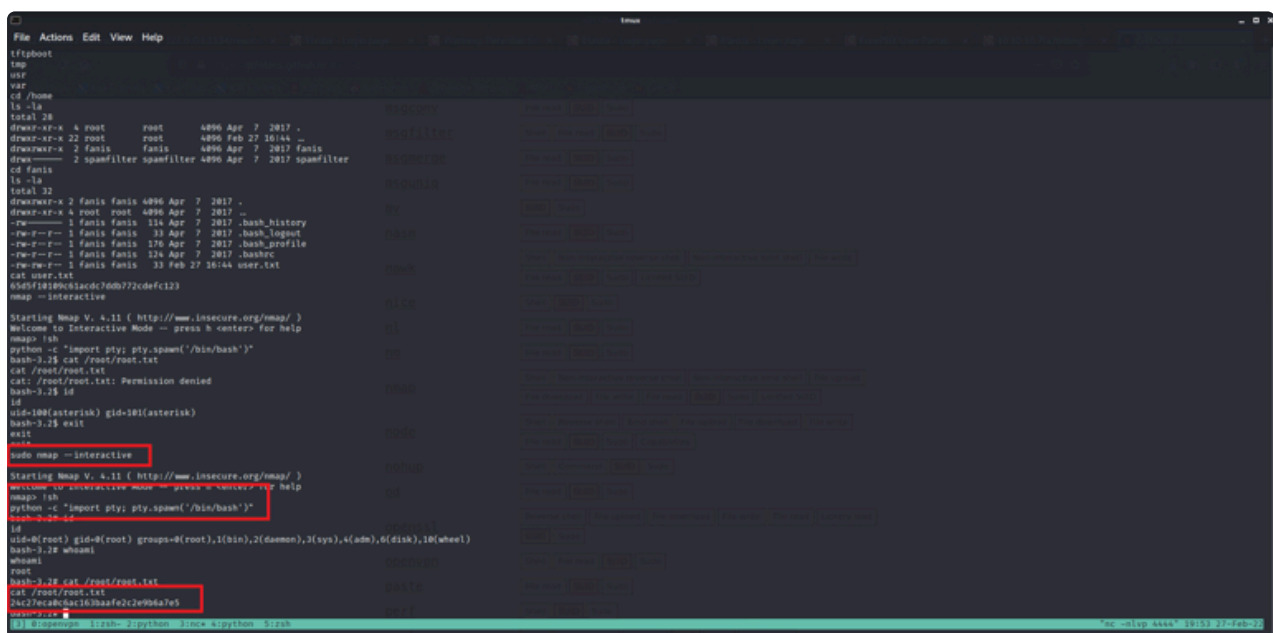

```
root@kali: ~  
nc -lvp 4444  
accepting connection...  
Google
```

```
root@kali: ~  
nc -lvp 4444  
accepting connection...  
connect to [10.10.10.11] from (UNKNOWN) [10.10.10.7] 59613  
Google
```

First, it is important to get the user flag when receiving a reverse shell on a HTB machine. Then, we can enumerate the HTB Linux machine using common privilege escalation techniques such as looking at network connections or the commands that we are allowed to run with sudo privileges.



Through enumeration, we are able to find that nmap is allowed to be run with sudo privileges is on GTFOBins and can help us achieve privilege escalation to gain admin rights to Beep. Moreover, by using the command `sudo nmap --interactive` as listed in GTFOBins we can gain a shell with admin rights within Beep and gain the root flag.



Lessons Learned

Exploit Used:

Exploit: <https://github.com/infosecjunky/FreePBX-2.10.0---Elastix-2.2.0--->
FreePBX 2.10.0 / Elastix 2.2.0 - Remote Code Execution

Things to note:

Try different methods for breaking out of restricted shells and dont always depend on lse for Linux privilege escalation