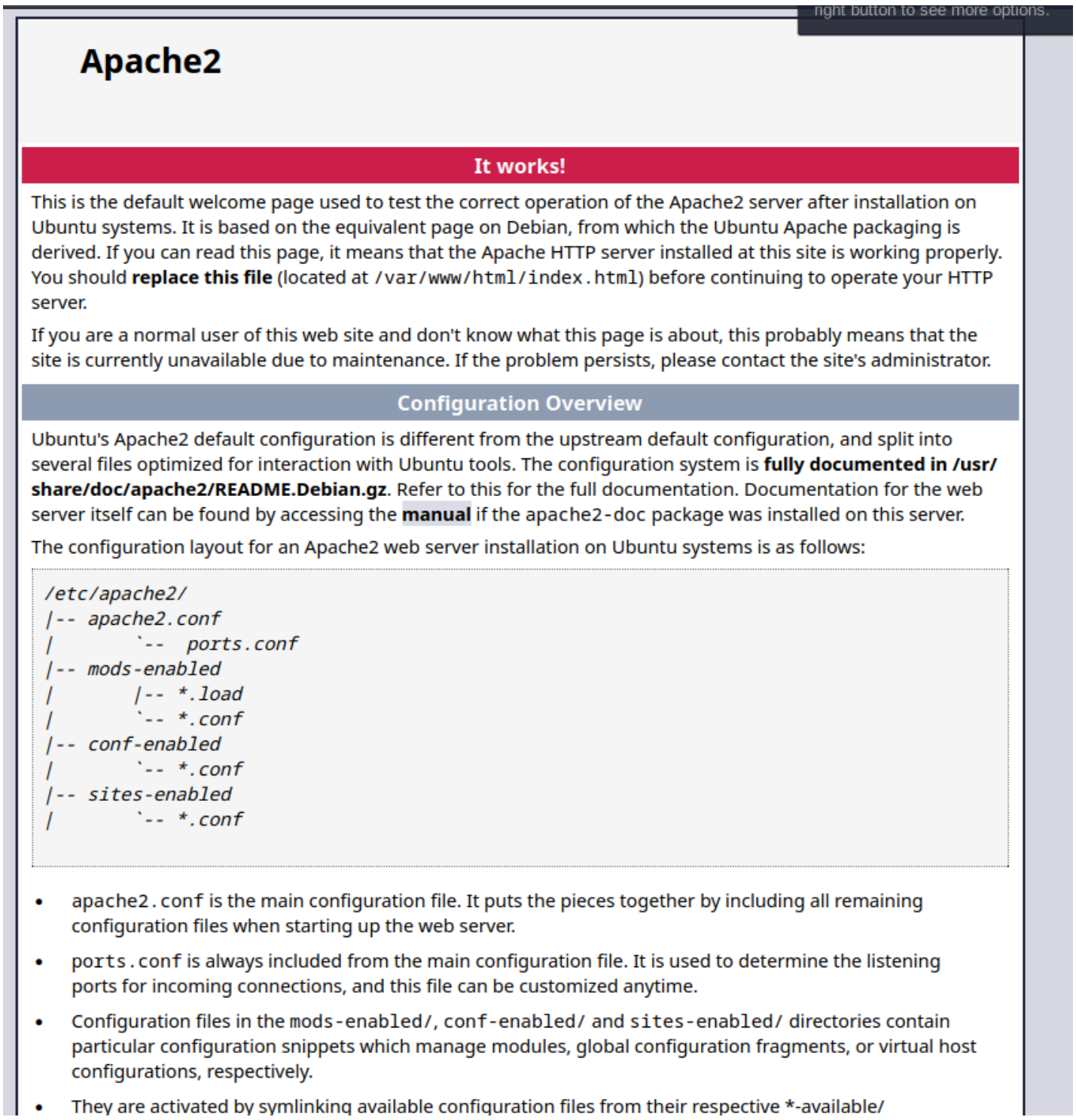
Pokemon THM

Port scanning

```
PORT   STATE SERVICE VERSION
22/tcp open  ssh     OpenSSH 7.2p2 Ubuntu 4ubuntu2.8 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 58:14:75:69:1e:a9:59:5f:b2:3a:69:1c:6c:78:5c:27 (RSA)
|   256 23:f5:fb:e7:57:c2:a5:3e:c2:26:29:0e:74:db:37:c2 (ECDSA)
|_  256 f1:9b:b5:8a:b9:29:aa:b6:aa:a2:52:4a:6e:65:95:c5 (ED25519)
80/tcp open  http    Apache httpd 2.4.18 ((Ubuntu))
|_http-title: Can You Find Them All?
|_http-server-header: Apache/2.4.18 (Ubuntu)
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 8.71 seconds
```

Checking port 80 content



Something doesn’t seem right, after trying some VHOST enumeration and content discovery i curled the page and saw this

```
 <pokemon>:<hack_the_pokemon>
        <!--(Check console for extra surprise!)-->
</div>
```

Because of the format (username:password) i tried to login as pokemon as it worked

```
pokemon@root:~$ whoami
pokemon
```

Found the first flag at Desktop folder, after unzip the file in there

```
pokemon@root:~/Desktop$ ls
P0kEmOn.zip
pokemon@root:~/Desktop$ unzip P0kEmOn.zip
Archive:  P0kEmOn.zip
   creating: P0kEmOn/
  inflating: P0kEmOn/grass-type.txt
pokemon@root:~/Desktop$ ls
P0kEmOn  P0kEmOn.zip
pokemon@root:~/Desktop$ cd P0kEmOn/
pokemon@root:~/Desktop/P0kEmOn$ ls
grass-type.txt
pokemon@root:~/Desktop/P0kEmOn$ cat grass-type.txt
50 6f 4b 65 4d 6f 4e 7b 42 75 6c 62 61 73 61 75 72 7d
```

It’s cleary in hex format, after decrypt it i got the flag in plain text

Hex To Text

50 6f 4b 65 4d 6f 4e 7b 42 75 6c 62 61 73 61 75 72 7d

PoKeMoN{Bulbasaur}

Finding more pokemon flags

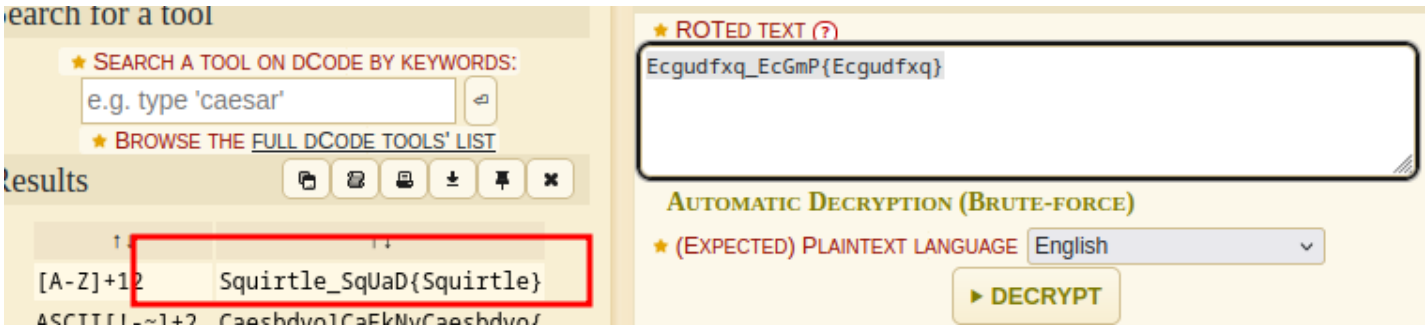
```
pokemon@root:~$ find / -type f -name "*-type.txt" 2>/dev/null
/var/www/html/water-type.txt
/etc/why_am_i_here?/fire-type.txt
/home/pokemon/Desktop/P0kEmOn/grass-type.txt
```

Fire pokemon flag is cleary in base64

```
pokemon@root:/etc/why_am_i_here?$ ls
fire-type.txt
pokemon@root:/etc/why_am_i_here?$ cat fire-type.txt
UDBrM20wbntDaGFybWFuZGVyfQ==pokemon@root:/etc/why_am_i_here?$
```

Water pokemon flag looks like a ROT cipher, so let's try it out

```
pokemon@root:/$ cd /var/www/html/
pokemon@root:/var/www/html$ ls
ndex.html  water-type.txt
pokemon@root:/var/www/html$ cat water-type.txt
cgudfxq_EcGmP{Ecgudfxq}pokemon@root:/var/www/html$
```



After searching for a while i found a cpp file with interesting information

```
pokemon@root:~/Videos/Gotta/Catch/Them/ALL!$ ls
Could_this_be_what_Im_looking_for?.cplusplus
pokemon@root:~/Videos/Gotta/Catch/Them/ALL!$ _
```

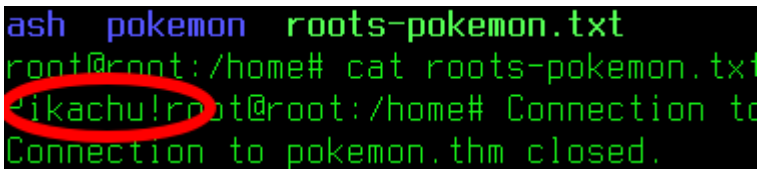
```
# include <iostream>

int main() {
        std::cout << "ash : pikapika"
        return 0;
```

Changing user to ash and then to root and obtaining the root's pokemon flag

```
}pokemon@root:~/Videos/Gotta/Catch/Them/ALL!$ su ash
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

bash: /home/ash/.bashrc: Permission denied
ash@root:/home/pokemon/Videos/Gotta/Catch/Them/ALL!$ sudo su
root@root:/home/pokemon/Videos/Gotta/Catch/Them/ALL!#
```


ash pokemon roots-pokemon.txt
root@root:/home# cat roots-pokemon.txt
Pikachu!root@root:/home# Connection to
Connection to pokemon.thm closed.