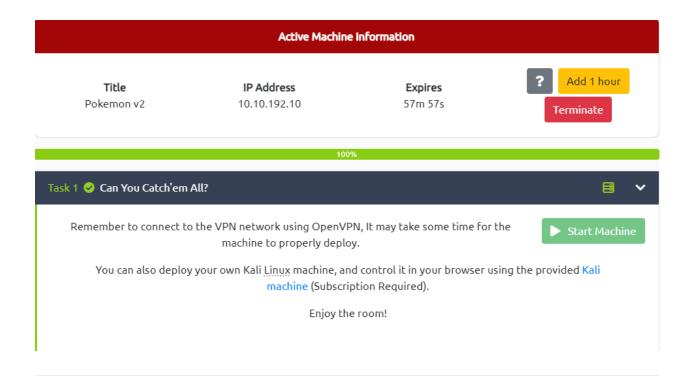


Pokemon V2



Enumeration

Exploit

Port 80 (http)

At the end of the source page, you will find something looks like a credential format

```
<div class="section_header">
         <div id="bugs"></div>
                Reporting Problems
       </div>
        <div class="content_section_text">
          <g>>
                Please use the <tt>ubuntu-bug</tt> tool to report bugs in the
                Apache2 package with Ubuntu. However, check <a
                href="https://bugs.launchpad.net/ubuntu/+source/apache2">existing
                bug reports</a> before reporting a new bug.
         </div>
        <pokemon>:<hack_the_pokemon>
                <!--(Check console for extra surprise!)-->
      </div>
   </div>
   <div class="validator">
 </body>
</html>
```

```
bug reports</a> before reporting a new bug.

// or space of the polymer of the po
```

Port 22 (SSH)

```
Last login: Sat Jun 17 03:04:00 2023 from 10.8.97.213 pokemon@root:~$
```

```
(kali kali) - [~]
$ ssh pokemon@10.10.192.10
pokemon@10.10.192.10's password:
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.15.0-112-generic x86_64)

* Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage

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

Last login: Sat Jun 17 03:04:00 2023 from 10.8.97.213
pokemon@root:~$
```

First flag

```
pokemon@root:~$ ls -l *
-rw-r--r-- 1 pokemon pokemon 8980 Jun 22 2020 examples.desktop
Desktop:
total 4
-rw-rw-r-- 1 pokemon pokemon 383 Jun 22 2020 P0kEmOn.zip
Documents:
total 0
Downloads:
total 0
Music:
total 0
Pictures:
total 0
Public:
total 0
Templates:
total 0
Videos:
total 4
drwxrwxr-x 3 pokemon pokemon 4096 Jun 22 2020 Gotta
```

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

Decode the hexa-decimal string → flag **grass-type**

Root's pokemon

```
ash@root:/home$ ls -l
total 12
drwx----- 6 root root 4096 Jun 24 2020 ash
drwxr-xr-x 19 pokemon pokemon 4096 Jun 17 02:58 pokemon
-rwx----- 1 ash root 8 Jun 22 2020 roots-pokemon.txt
ash@root:/home$ cat roots-pokemon.txt
Pikachu!
```

Privilege Escalation → ash → root

Move to directory Videos/

```
pokemon@root:~$ cd Videos/
pokemon@root:~/Videos$ ls -la
total 12
drwxr-xr-x 3 pokemon pokemon 4096 Jun 22 2020 .
drwxr-xr-x 19 pokemon pokemon 4096 Jun 17 02:58 ..
drwxrwxr-x 3 pokemon pokemon 4096 Jun 22 2020 Gotta
pokemon@root:~/Videos$ cd Gotta/
pokemon@root:~/Videos$ cd Gotta/
pokemon@root:~/Videos/Gotta$ cd Catch/
pokemon@root:~/Videos/Gotta/Catch/Them/
pokemon@root:~/Videos/Gotta/Catch/Them$ cd ALL\!/
pokemon@root:~/Videos/Gotta/Catch/Them/ALL!$ ls -l
total 4
-rw-r--r-- 1 pokemon root 78 Jun 22 2020 Could_this_be_what_Im_looking_for?.cplusplus
```

Could_this_be_what_Im_looking_for?.cplusplus:

```
# include <iostream>
int main() {
     std::cout << "ash : pikapika"
     return 0;
}</pre>
```

At the line std::out, there is a cred of an user $ash \rightarrow su$ ash

```
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!$
```

```
ash@root:/home$ sudo -l
[sudo] password for ash:
Matching Defaults entries for ash on root:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/snap/b
in
User ash may run the following commands on root:
    (ALL : ALL) ALL
```

Use ash could run **ALL** the commands on root \rightarrow **ash** could become root as long as you know his password (which is pikapika)

```
ash@root:/home$ sudo -i
root@root:~# id
uid=0(root) gid=0(root) groups=0(root)
```

I looked around for while but it was not easy to find out the files which contain flags. So I used this command based on the file name which contains the first flag (grass-type.txt)

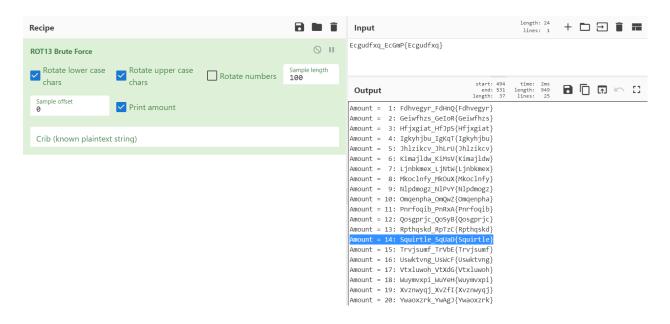
```
root@root:~# find / -name "*type.txt" 2>/dev/null
/var/www/html/water-type.txt
/etc/why_am_i_here?/fire-type.txt
/home/pokemon/Desktop/P0kEmOn/grass-type.txt
```

Great! The 2 flags of water and fire pokemon was identified → Get them all

Water-Type

```
root@root:~# cat /var/www/html/water-type.txt
Ecgudfxq_EcGmP{Ecgudfxq}
```

Use ROT13 brute-force to decrypt the string



Fire-Type

```
root@root:~# cat /etc/why_am_i_here\?/fire-type.txt
UDBrM20wbntDaGFybWFuZGVyfQ==
```

Use base64 decode to get the flag in plain text