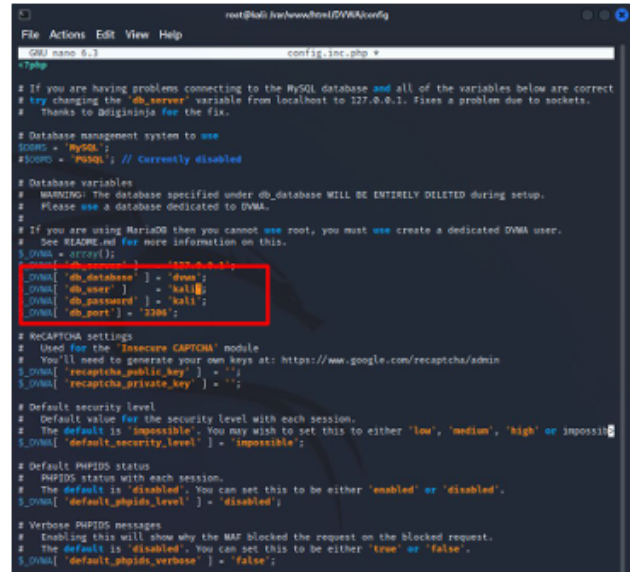


Apriete un terminale su Kali, utilizzate l'utenza di root, eseguendo il comando «sudo su» e poi eseguite i comandi seguenti:

- `cd /var/www/html`
- `git clone https://github.com/digininja/DVWA`
- `chmod -R 777 DVWA/`
- `cd DVWA/config`
- `cp config.inc.php.dist config.inc.php`
- `nano config.inc.php`

All'interno del file `config.inc.php` cambiamo **utente** e **password** di default come da figura a lato (inserendo, user:kali, password:kali. Salvate con la solita sequenza di tasti «ctrl+x» poi «y».



```

File Actions Edit View Help
GNU nano 2.9.3 config.inc.php
<?php
# If you are having problem connecting to the MySQL database and all of the variables below are correct
# try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes a problem due to sockets.
# Thanks to Digininja for the fix.

# Database management system to use
$DBMS = 'MySQL'; // Currently disabled

# Database variables
# WARNING! The database specified under db_database WILL BE ENTIRELY DELETED during setup.
# Please use a database dedicated to DVWA.
#
# If you are using MariaDB then you cannot use root, you must use create a dedicated DVWA user.
# See README.md for more information on this.
$DBNA = array();
$dbna['db_server'] = '127.0.0.1';
$dbna['db_database'] = 'dvwa';
$dbna['db_user'] = 'kali';
$dbna['db_password'] = 'kali';
$dbna['db_port'] = '3306';

# ReCAPTCHA settings
# Used for the 'Insecure CAPTCHA' module
# You'll need to generate your own keys at: https://www.google.com/recaptcha/admin
$dbna['recaptcha_public_key'] = '';
$dbna['recaptcha_private_key'] = '';

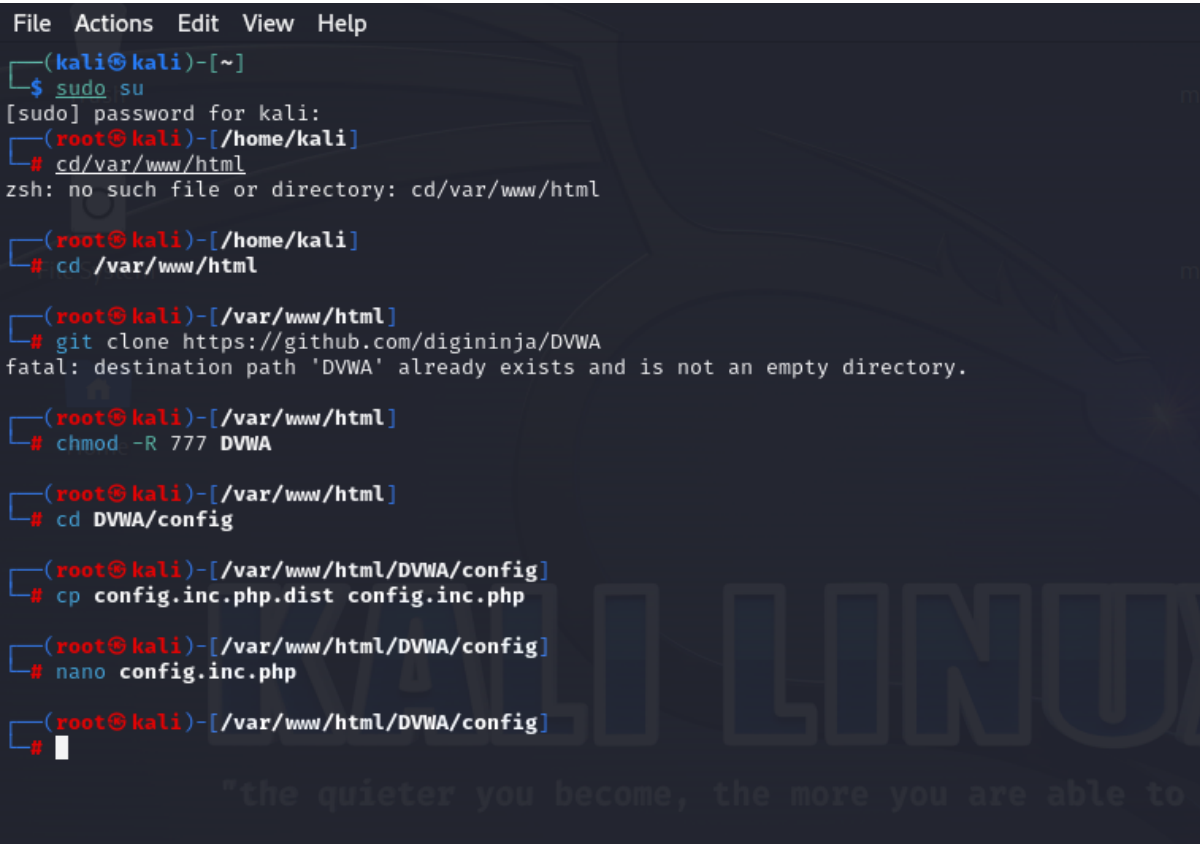
# Default security level
# The default is 'impossible'. You may wish to set this to either 'low', 'medium', 'high' or 'impossible'
$dbna['default_security_level'] = 'impossible';

# Default PHPIDS status
# PHPIDS status with each session.
# The default is 'disabled'. You can set this to be either 'enabled' or 'disabled'.
$dbna['default_phpids_level'] = 'disabled';

# Verbose PHPIDS messages
# Enabling this will show why the WAF blocked the request on the blocked request.
# The default is 'disabled'. You can set this to be either 'true' or 'false'.
$dbna['default_phpids_verbose'] = 'false';

```

Svolgimento;



```

File Actions Edit View Help
(kali@kali)-[~]
$ sudo su
[sudo] password for kali:
(root@kali)-[/home/kali]
# cd /var/www/html
zsh: no such file or directory: cd:/var/www/html

(root@kali)-[/home/kali]
# cd /var/www/html

(root@kali)-[/var/www/html]
# git clone https://github.com/digininja/DVWA
fatal: destination path 'DVWA' already exists and is not an empty directory.

(root@kali)-[/var/www/html]
# chmod -R 777 DVWA

(root@kali)-[/var/www/html]
# cd DVWA/config

(root@kali)-[/var/www/html/DVWA/config]
# cp config.inc.php.dist config.inc.php

(root@kali)-[/var/www/html/DVWA/config]
# nano config.inc.php

(root@kali)-[/var/www/html/DVWA/config]
#

```

Nel terminale del mio Kali Linux ho inserito tutti i codici per iniziare il settaggio delle configurazioni.

```
GNU nano 7.2 config.inc.php *
<?php
# If you are having problems connecting to the MySQL database and all of the variables below
# try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes a problem due to
# Thanks to @digininja for the fix.

# Database management system to use
$DBMS = 'MySQL';
#$DBMS = 'PGSQL'; // Currently disabled

# Database variables
# WARNING: The database specified under db_database WILL BE ENTIRELY DELETED during setup.
# Please use a database dedicated to DVWA.

# If you are using MariaDB then you cannot use root, you must use create a dedicated DVWA user
# See README.md for more information on this.
$_DVWA = array();
$_DVWA[ 'db_server' ] = getenv( 'DB_SERVER' ) ? '127.0.0.1';
$_DVWA[ 'db_database' ] = 'dvwa';
$_DVWA[ 'db_user' ] = 'kali';
$_DVWA[ 'db_password' ] = 'kali';
$_DVWA[ 'db_port' ] = '3306';

# ReCAPTCHA settings
# Used for the 'Insecure CAPTCHA' module
# You'll need to generate your own keys at: https://www.google.com/recaptcha/admin
$_DVWA[ 'recaptcha_public_key' ] = '';
```

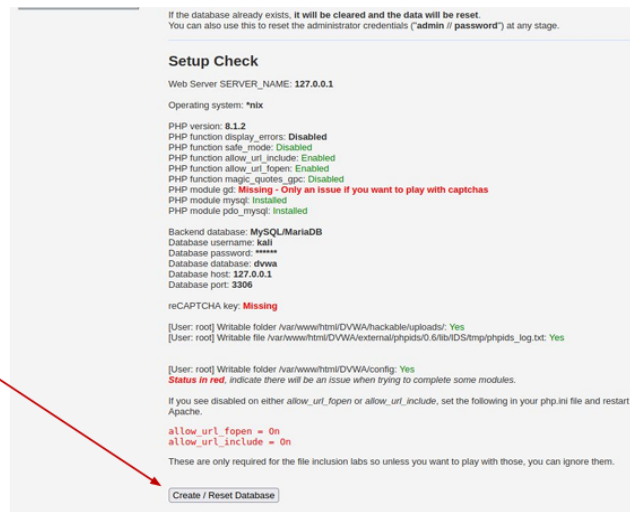
Successivamente mi ha fatto entrare all'interno , dove ho cambiato l'user e la password, come possiamo vedere ho messo ad entrambi kali-kali .

A questo punto aprite una sessione del vostro browser e scrivete nella barra degli indirizzi:

127.0.0.1/DVWA/setup.php

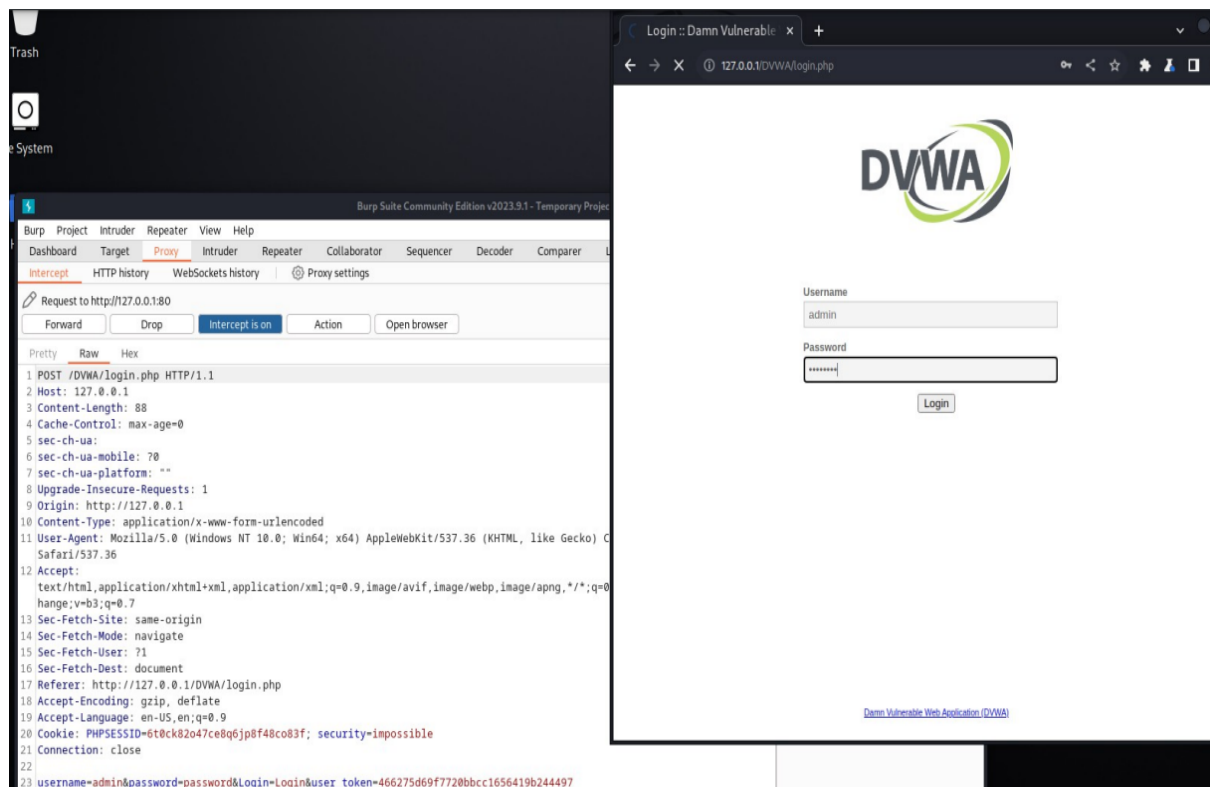
dovreste vedere una pagina molto simile alla figura qui a destra.

Cliccate su «Create / Reset Database» nella parte bassa della pagina.



Il passo successivo all'impostazione dei campi user e password , era riuscire ad effettuare l'accesso con i campi da noi inseriti .

Lanciamo Burpsuite, scegliamo un progetto temporaneo ed apriamo un browser, inserendo l'indirizzo della nostra DVWA: 1270.0.1/DVWA e inseriamo nei campi login e password i valori «admin» e «password» rispettivamente.



Proviamo a modificare i campi, ed inviare la richiesta inserendo delle credenziali sicuramente errate.

```
18 Accept-Encoding: gzip, deflate, br
19 Accept-Language: en-US,en;q=0.9
20 Cookie: PHPSESSID=ri3flanbej4outqgcikk4kp0h7; security=impossible
21 Connection: close
22
23 username=omar&password=omar&Login=Login&user_token=ce0de8c8e0eba69921a0780f1ff74090
```

Come ci aspettavamo con le credenziali errate non riusciamo ad entrare. Ne abbiamo evidenza nel body della http response dove leggiamo «Login failed». Riga 63.

```

Pretty  Raw  Hex
1 GET /DWA/login.php HTTP/1.1
2 Host: 127.0.0.1
3 Cache-Control: max-age=0
4 sec-ch-ua: "Chromium";v="119", "Not?A_Brand";v="24"
5 sec-ch-ua-mobile: ?0
6 sec-ch-ua-platform: "Linux"
7 Upgrade-Insecure-Requests: 1
8 Origin: http://127.0.0.1
9 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
  Chrome/119.0.6045.159 Safari/537.36
10 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application
  /signed-exchange;v=b3;q=0.7
11 Sec-Fetch-Site: same-origin
12 Sec-Fetch-Mode: navigate
13 Sec-Fetch-User: ?1
14 Sec-Fetch-Dest: document
15 Referer: http://127.0.0.1/DWA/login.php
16 Accept-Encoding: gzip, deflate, br
17 Accept-Language: en-US,en;q=0.9
18 Cookie: PHPSESSID=ri3flanbej4outqgcikk4kp0h7; security=impossible
19 Connection: close
20
21

39 <!--<div id="header">-->
40 <div id="content">
41
42   <form action="login.php" method="post">
43
44     <fieldset>
45
46       <label for="user">
47         Username
48       </label>
49       <input type="text" class="loginInput" size="20" name="username">
50       <br />
51
52       <label for="pass">
53         Password
54       </label>
55       <input type="password" class="loginInput" AUTOCOMPLETE="off" size="20" name="password">
56       <br />
57
58       <br />
59
60       <p class="submit">
61         <input type="submit" value="Login" name="Login">
62       </p>
63
64     </fieldset>
65
66     <input type='hidden' name='user_token' value='ed0dc6505c24611e6ad38022082e27e3' />
67
68   </form>
69
70   <br />
71
72   <div class="message">
73     Login failed
74   </div>
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