

CodeIgniter Installation

<http://www.codeigniter.com/>

This tutorial will guide you to setup the framework "CodeIgniter" in the DAW server. (Substitute 'a999999' with your student number)

Step 1: Download the zip file

Login to the DEEI network using PuTTY and change to the public_html folder

```
a999999@daw:~/public_html/$ wget https://github.com/bcit-ci/CodeIgniter/archive/3.1.6.zip
```

```
a999999@daw:~/public_html/$ unzip CodeIgniter-3.1.6.zip
```

```
a999999@daw:~/public_html/$ mv CodeIgniter-3.1.6/* . ; rmdir CodeIgniter-3.1.6
```

Set the correct permissions for directories and files

```
a999999@daw:~/public_html/$ find . -type d -exec chmod 750 {} \;
a999999@daw:~/public_html/$ find . -type f -exec chmod 640 {} \;
```

Step 2: Change the base URL in config.php

```
a999999@daw:~/public_html/application/config$ nano config.php
```

```
$config['base_url'] = '~/a999999';
```

Step 3: Setup the database in database.php

```
a999999@daw:~/public_html/application/config$ nano database.php
```

```
$db['default'] = array(
    'dsn'      => '',
    'hostname' => '10.10.23.183',
    'username' => 'a999999',
    'password' => 'MyPassword',
    'database' => 'db_a999999',
    'dbdriver' => 'mysqli',
    .
    :
    .
```

Step 4: Open your browser

Now open your browser and type the following address text box.

<http://all.deei.fct.ualg.pt/~a999999>

Step 5: (Optional) URL rewriting

To avoid typing "index.php" in the URL, change the Rewrite base in file .htaccess

```
a999999@daw:~/public_html $ nano .htaccess
```

```
<IfModule mod_rewrite.c>
# AllowOverride FileInfo
RewriteEngine on
# Use: RewriteBase /<subdirectory> if installed in subdirectory
RewriteBase /~a999999
```

```
# CodeIgniter pages with their own controllers
RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-f
RewriteRule ^(.*)$ index.php [L]
</IfModule>
```

Give read permission to user www-data:

```
a999999@daw:~/public_html $ chmod g+r .htaccess
```

CodeIgniter + Smarty

<http://www.coolphptools.com/codeigniter-smarty>

Step 6: Set up a symbolic link to Smarty library

```
a999999@daw:~/public_html/application/third_party$ ln -s
/usr/share/php/smarty3/ smarty
```

(alternatively, if you want to have your own copy of the Smarty library

```
wget http://intranet.deei.fct.ualg.pt/DAW/smarty.zip ; unzip smarty.zip )
```

Step 8: Download the Smartie library

The **Smartie** library bridges the gap between Smarty and the CodeIgniter libraries (the name change is necessary to access the library as "smarty" without having a class name collision)

```
a999999@daw:~/public_html/application/libraries$ wget
http://intranet.deei.fct.ualg.pt/DAW/Smartie.zip ; unzip Smartie.zip ; chmod
640 Smartie.php
```

Step 8: Autoload the Smartie library

```
a999999@daw:~/public_html/application/config$ nano autoload.php

$autoload['libraries'] = array("smartie" => "smarty");
```

Step 9: Create the Smarty template directories in the views folder

```
a999999@daw:~/public_html/application/views$

mkdir templates_c
chmod g+rw templates_c
mkdir templates
chmod g+r templates
```

Note: the Smarty template directories can be placed elsewhere, just update `Smartie.php` with the correct path