

# Pyramid

## classic

### Environment

library

```
BASE=/lab/ztl
cd $BASE

virtualenv lib
. lib/bin/activate
pip install pyramid
```

library activation in active shell (for starting project and running)

```
. lib/bin/activate
```

start project **ztlbrain**

```
pcreate --scaffold alchemy ztlbrain
cd ztlbrain
python setup.py develop
```

initialize db

```
initialize_ztlbrain_db development.ini
```

run

```
pserve development.ini --reload
```

## bower

Bower can help to install javascript client side libraries, like angularjs.

Install npm and bower at system level

```
sudo apt-get install npm
sudo npm install -g bower
```

Install module (library)

```
# cd <project>/<same-level-of-subdir-static>
```

## bower install angular-bootstrap

Libraries:

- angular
- angular-bootstrap
- angular-wamp
- autobahn
- bootstrap
- jquery
- leaflet-bouncemarker
- leaflet
- Leaflet.label

In `init.py`

```
config.add_static_view('bower_components', 'bower_components',  
cache_max_age=3600)
```

In template

```
<link  
href="${request.static_url('ztlbrain:bower_components/bootstrap/dist/css/boo  
tstrap.min.css')}" rel="stylesheet">  
<script  
src="${request.static_url('ztlbrain:bower_components/jquery/dist/jquery.min.  
js')}"></script>  
<script  
src="${request.static_url('ztlbrain:bower_components/angular/angular.min.js'  
)}"></script>  
<script src="${request.static_url('ztlbrain:bower_components/angular-  
bootstrap/ui-bootstrap.min.js')}"></script>
```

## aio

library

```
BASE=/lab/ztl  
cd $BASE  
  
virtualenv lib  
. lib/bin/activate  
pip install aiopyramid
```

library activation in active shell (for starting project and running)

```
. lib/bin/activate
```

start project **ztlbrain**

```
pcreate --scaffold aio_websocket ztlbrain
cd ztlbrain
python setup.py develop
```

initialize db

```
initialize_ztlbrain_db development.ini
```

run

```
gunicorn --paste development.ini
```

## yaml

Use yaml file as configuration container. See [here](#)

setup.py

```
requires = [
...
    'tzf.pyramid_yaml'
....
```

init.py

```
config.include('tzf.pyramid_yaml')
```

\*ini

```
yaml.location = /lab/wega/wegasim
env = dev
```

config.yml

```
configurator:
  serial_code : 'ABCD'
  serial.port : '/dev/ttyUSB3'
  serial.speed : 9600
  test.serial.port : '/dev/ttyUSB2'
  test.serial.speed : 9600
  wamp.router.url : 'ws://localhost:6001/ws'
  wamp.router.push : 'http://localhost:6001/push'
  wamp.realm : 'realm_sim'
```

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