# PyServer 编译运行

## 一、运行环境(以MacOS 为例,windows上类似)

1. 系统: MacOS 12.6.1

2. Node.js: 使用Node16, 如果使用Node17会报错

3. Mysql: 8.0.31

4. Python: 3.9.6(3.8以上)

5. Redis

6. 开发工具使用的是PyCharm

使用howebrew安装 node16 命令如下:

brew install node@16

安装完成后,在.zshrc里配置:

export PATH="/usr/local/opt/node@16/bin:\$PATH"

export LDFLAGS="-L/usr/local/opt/node@16/lib"

export CPPFLAGS="-I/usr/local/opt/node@16/include"

数据库相关配置在 backend/conf/env.py 中, 这里有Redis和Mysql的用户名密码配置,将里面的 Mysql和Redis用户名,密码改成你本机的用户名和密码

### 二、编译后端

- 1. 在PyCharm终端, 进入项目目录 cd backend
- 2. 安装依赖环境: pip3 install -r requirements.txt

若是有如下报错:

```
* python setup.py egg_info did not run successfully.
exit code: 1
-> [16 lines of output]
  /bin/sh: mysql_config: command not found
  /bin/sh: mariadb_config: command not found
  /bin/sh: mysql_config: command not found
  Traceback (most recent call last):
    File "<string>", line 2, in <module>
    File "<pip-setuptools-caller>", line 34, in <module>
    File "/private/var/folders/hf/s_tflxpj2tsb7bn8x02r2x0h0000gn/T/pip-install-m
      metadata, options = get_config()
    File "/private/var/folders/hf/s_tflxpj2tsb7bn8x02r2x0h0000gn/T/pip-install-m
      libs = mysql_config("libs")
    File "/private/var/folders/hf/s_tflxpj2tsb7bn8x02r2x0h0000gn/T/pip-install-m
      raise OSError("{} not found".format(_mysql_config_path))
  OSError: mysal config not found
```

提示mysql\_config找不到,解决方法如下:

2.1. 在Terminal终端输入: brew install mysql-client

2.2 然后在.zshrc里添加 环境变量

#mysql-client

export PATH="/usr/local/opt/mysql-client/bin:\$PATH"

#mysql-client compilers

export LDFLAGS="-L/usr/local/opt/mysql-client/lib"

export CPPFLAGS="-I/usr/local/opt/mysql-client/include"

#mysql-client pkg-config

export PKG\_CONFIG\_PATH="/usr/local/opt/mysql-client/lib/pkgconfig"

- 2.3 配置完成再次执行 pip3 install -r requirements.txt
  - 3. 执行数据迁移命令:

python3 manage.py makemigrations python3 manage.py migrate

4. 初始化数据

python3 manage.py init

python3 manage.py init\_area

- 5. 启动项目: python3 manage.py runserver 0.0.0.0:8000
- 6. 启动定时任务:

在PyCharm里打开一个新的终端:

cd backedn

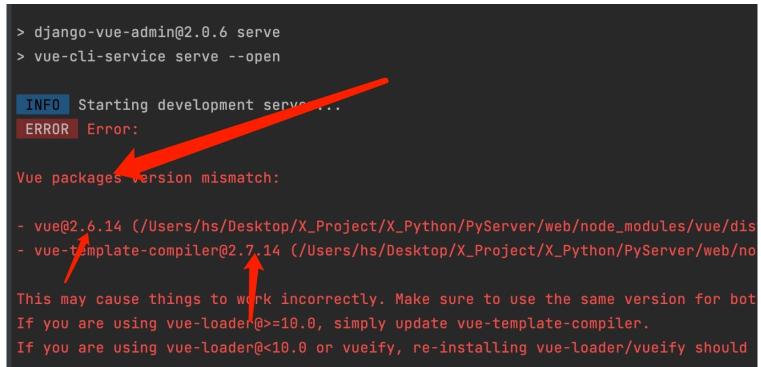
celery -A application.celery worker -B --loglevel=info

即启动了定时任务的beat和worker, beat是调度器, worker是执行器

### 三、编译web端:

- 1. 在PyCharm里打开新的终端: cd web
- 2. 安装依赖: npm install --registry=https://registry.npm.taobao.org
- 3. 启动服务: npm run dev

#### 如果出现如下问题:



是vue版本不对,执行如下命令: npm install vue@2.7.14

#### web端账号密码:

● 账号/密码: superadmin/admin123456

• 账号/密码: admin/admin123456