

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: mysql_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:

```
> django-vue-admin@2.0.6 serve
```

```
> vue-cli-service serve --open
```

```
INFO Starting development server...
```

```
ERROR Error:
```

```
Vue packages version mismatch:
```

```
- vue@2.6.14 (/Users/hs/Desktop/X_Project/X_Python/PyServer/web/node_modules/vue/dist
```

```
- vue-template-compiler@2.7.14 (/Users/hs/Desktop/X_Project/X_Python/PyServer/web/no
```

```
This may cause things to work incorrectly. Make sure to use the same version for bot
```

```
If you are using vue-loader@>=10.0, simply update vue-template-compiler.
```

```
If you are using vue-loader@<10.0 or vueify, re-installing vue-loader/vueify should
```

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