Flask_Cache缓存配置

Flask-Cache可以为Flask增加缓存功能，对于实时性不高的数据，可以通过缓存的方式对用户的HTTP请求进行加速.

一.Flask-Cache安装
pip install Flask-Cache -i http://mirrors.aliyun.com/pypi/simple/ --trusted-host mirrors.aliyun.com

1.1 Flask-Cache支持的缓存对象可以通过CACHE_TYPE来指定，其支持多种缓存对象.

```
null: NullCache (default)
simple: SimpleCache
memcached: MemcachedCache (pylibmc or memcache required)
gaememcached: GAEMemcachedCache
redis: RedisCache (Werkzeug 0.7 required)
filesystem: FileSystemCache
saslmemcached: SASLMemcachedCache (pylibmc required)
```

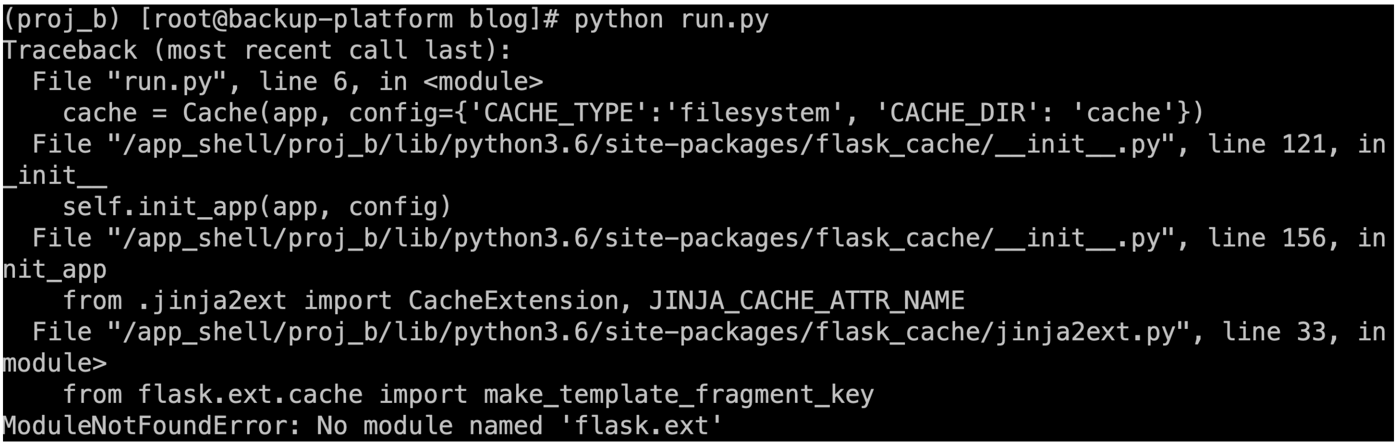
在本例中我们使用文件系统作为缓存对象，需要指定缓存的内容在文件系统中存放的位置. 通过CACHE_DIR参数进行指定，更多配置信息请参考官方文档，路径为：http://www.pythondoc.com/flask-cache/index.html

下面我们开始配置Flask-Cache，示例代码如下：

In [ ]:

```python
from flask import request, Flask, url_for, redirect
from flask_cache import Cache
app = Flask(__name__)
import time
cache = Cache(app, config={'CACHE_TYPE':'filesystem', 'CACHE_DIR': 'cache'})
app.config['SECRET_KEY'] = '123'
@app.route('/')
@cache.cached(timeout=10)
def index():
    return time.ctime()
if __name__ == '__main__':
    app.debug = True
    app.run(host='0.0.0.0', port=8902)
```

注意上述代码可能会报类似以下错误

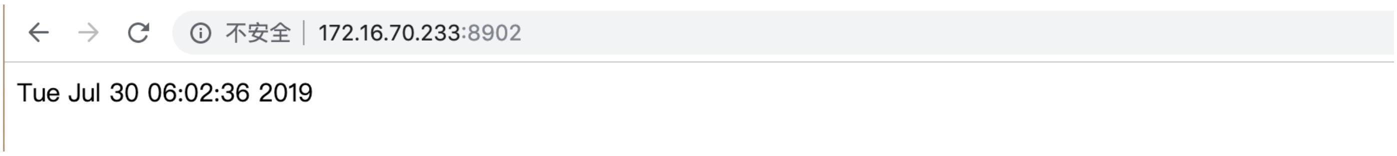


```
(proj_b) [root@backup-platform blog]# python run.py
Traceback (most recent call last):
  File "run.py", line 6, in <module>
    cache = Cache(app, config={'CACHE_TYPE':'filesystem', 'CACHE_DIR': 'cache'})
  File "/app_shell/proj_b/lib/python3.6/site-packages/flask_cache/__init__.py", line 121, in
_init__
    self.init_app(app, config)
  File "/app_shell/proj_b/lib/python3.6/site-packages/flask_cache/__init__.py", line 156, in
nit_app
    from .jinja2ext import CacheExtension, JINJA_CACHE_ATTR_NAME
  File "/app_shell/proj_b/lib/python3.6/site-packages/flask_cache/jinja2ext.py", line 33, in
module>
    from flask.ext.cache import make_template_fragment_key
ModuleNotFoundError: No module named 'flask.ext'
```

```
解决方法：

修改/site-packages/flask_cache/jinja2ext.py中
from flask.ext.cache import make_template_fragment_key
为
from flask_cache import make_template_fragment_key 即可
```

```
测试缓存代码是否生效：
```



```
Tue Jul 30 06:02:36 2019
```

In [ ]:

```
页面输出的内容每10秒刷新一次.
```