Code Project Directory

|--- spiders : a distribution spider system controlled by Celery

| |---crawl\_worker : a scrapy project to get ccass data

| |---dockerfile : dockerfile to deploy docker

| |---queue : save queue data from Celery and Scrapy will read the data to crawl

| |---tasks : celery tasks and settings

| |---tools : some tools to deal with data

| ---crawl\_manager.py : celery task distributor

Docker Deploy

1. Manager:

Enter spiders folder

$ docker build –t crawl\_manager ./dockerfile/Dockerfile\_manager

2. Worker:

Enter spiders/dockerfile

$ docker build -t crawl\_worker:0.1 .

$ docker run --name ccass\_1 -it -v ~/work:/home/work crawl\_worker:0.1

$ docker run --rm -it -v ~/work:/home/work crawl\_worker:0.1 # delete container after exit

$ docker run --rm -d -v ~/work:/home/work crawl\_worker:0.1 # run in background delete container after exit

3. load\_celery.sh

cd /home/work/spiders

celery --loglevel=info -A tasks.scrapy\_task worker --max-tasks-per-child 1

4. Distribute tasks

$ docker exec -it crawl\_manager bash

# cd /home/work/spiders

# python crawl\_manager.py -i "00006" -d 60

Environment

1. MySQL – Use local docker mysql

$ docker run --name mysqllib -e MYSQL\_ROOT\_PASSWORD=toor -d mysql:5.6

$ docker run --name ccass\_1 -it -v ~/work:/home/work --link mysqllib:mysql crawl\_worker:0.1

2. MySQL - Use online mysql

Same as Docker Deploy

# check the database with - python check\_rdsmysql.py

Monitor

docker <http://172.17.0.1:9000/#/dashboard>

mq <http://67.209.179.247:15672/#/>