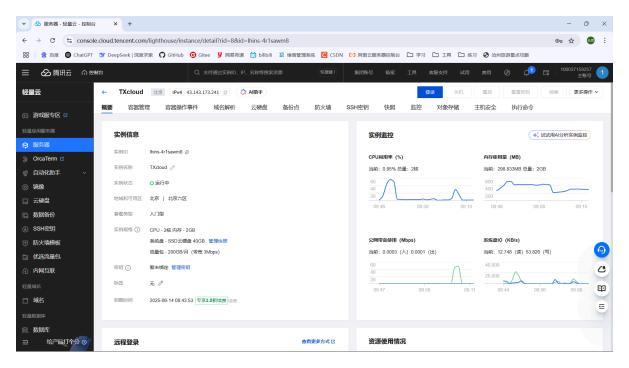
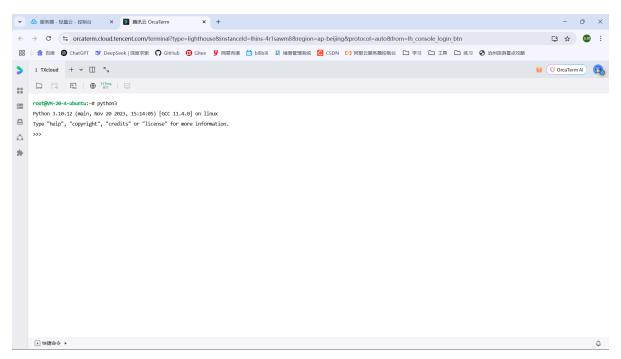
# 服务器部署分布式爬虫

#### 1服务器选择 (腾讯云服务器)



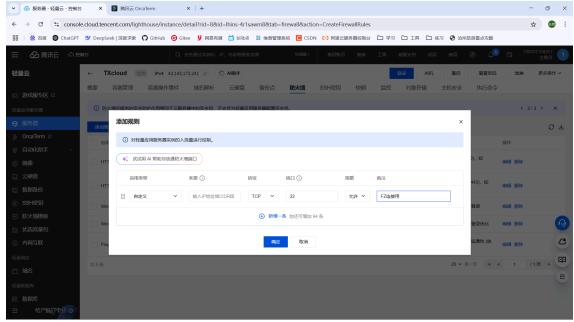
## 2 查看Python版本



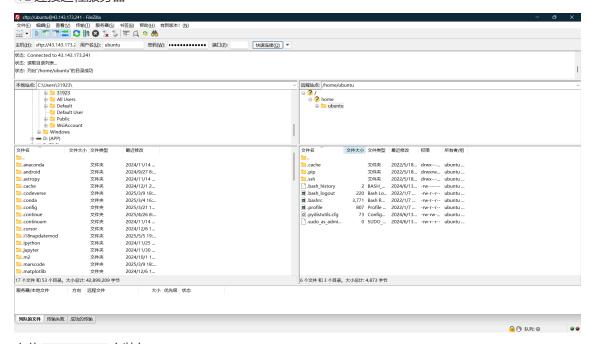
### 3 fz连接远程服务器,上传Miniconda安装包并完成安装配置

Python版本为3.10.12,不知道能不能用,直接装 miniconda 最新版了

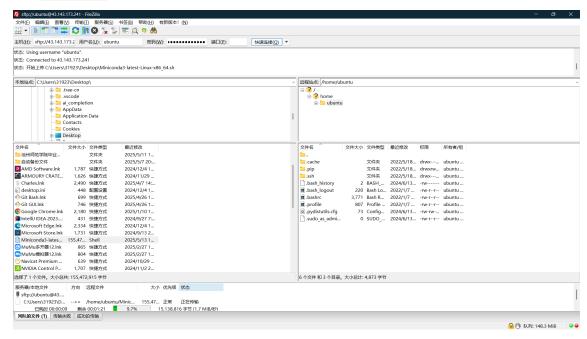
• 放行22端口



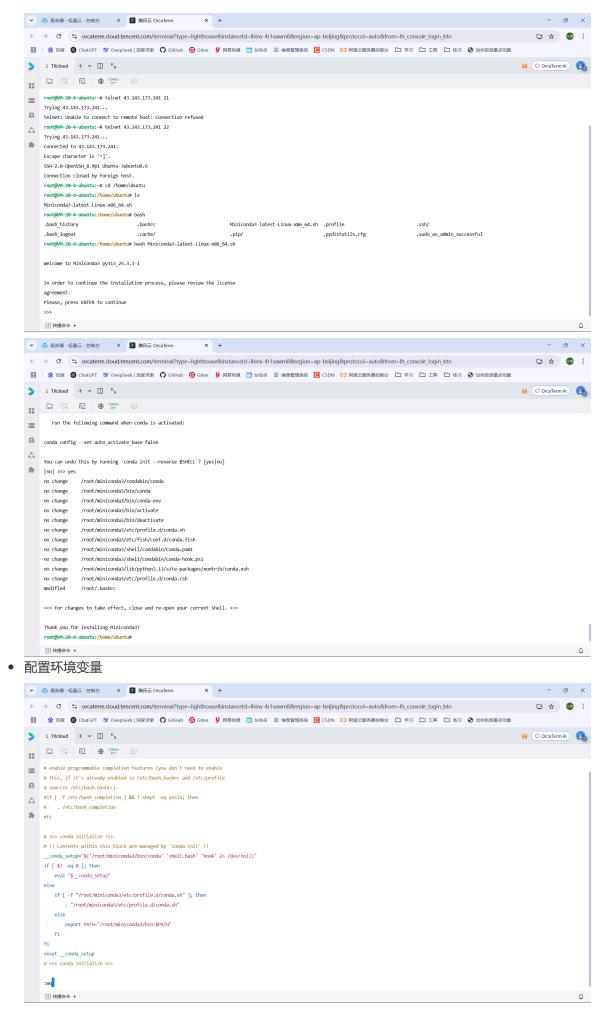
• fz 连接远程服务器



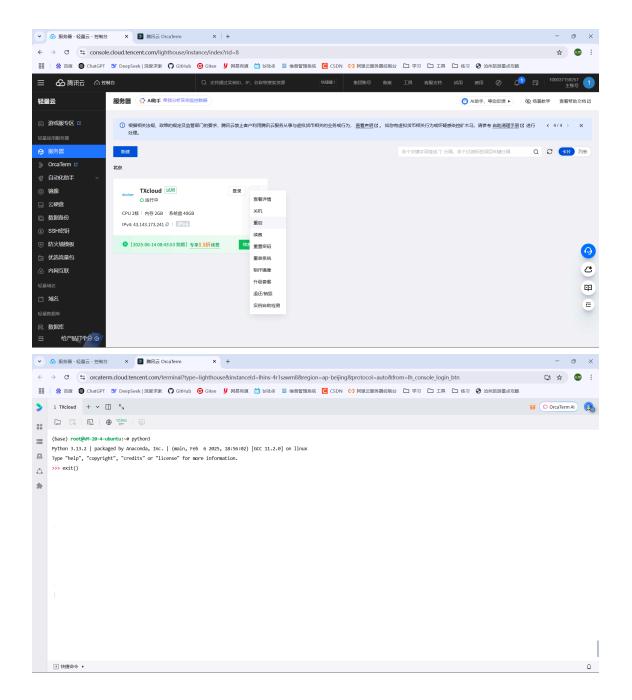
• 上传 Miniconda 安装包



• 安装 Miniconda



• 重启服务器,验证安装配置



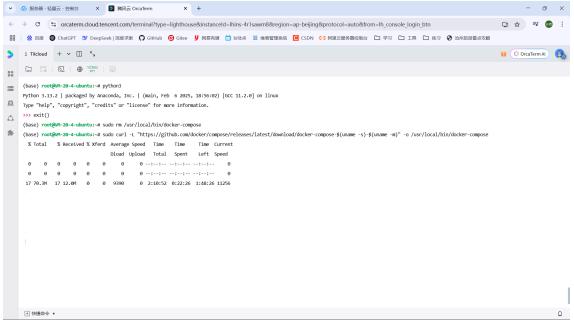
# 4 安装 docker-compose

• 清理之前的残余

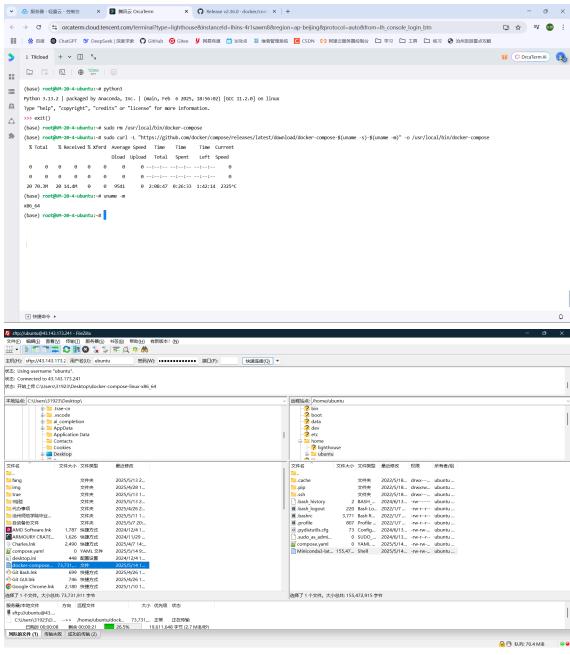
```
sudo rm /usr/local/bin/docker-compose
```

● 下载安装 (由于下载太慢,这里我选择在本地windows上下载)

```
sudo curl -L
"https://github.com/docker/compose/releases/latest/download/docker-
compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose
```



- 访问https://github.com/docker/compose/releases/latest
- 查看远程服务器架构并下载对应版本



sudo mv /home/ubuntu/docker-compose-linux-x86\_64 /usr/local/bin/dockercompose

• 添加权限

### 5 编写Compose 配置文件,上传到远程服务器上并启动

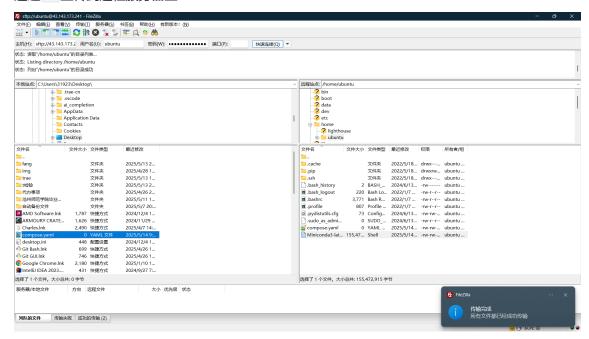
• 编写compose.yaml

```
version: '3.8'
services:
  mongo:
    image: mongo:latest
    container_name: mongo
    environment:
      MONGO_INITDB_ROOT_USERNAME: root
      MONGO_INITDB_ROOT_PASSWORD: "123456"
    ports:
      - "27017:27017"
    volumes:
      - ./mongo_data:/data/db
    restart: always
  redis:
    image: redis:latest
    container_name: redis
    command: redis-server --requirepass "123456"
    ports:
      - "6379:6379"
    volumes:
      - ./redis_data:/data
    restart: always
```

```
mysql:
    image: mysql:latest
    container_name: mysql
    environment:
        MYSQL_ROOT_PASSWORD: "123456"
    ports:
        - "3306:3306"
    volumes:
        - ./mysql_data:/var/lib/mysql
    restart: always
```

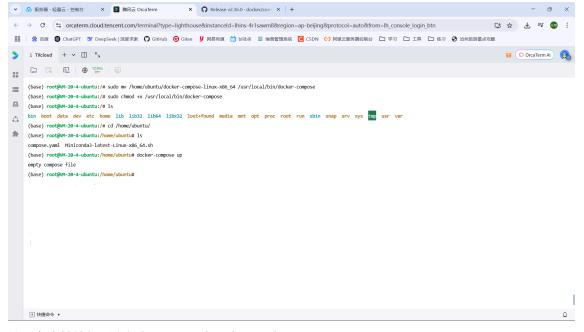
```
22
       volumes:
 23
         - ./redis data:/data
 24
       restart: always
 25
 26 | mysql:
 27
       image: mysql:latest
 28
       container_name: mysql
 29
       environment:
 30
         MYSQL ROOT PASSWORD: "123456"
 31
       ports:
         - "3306:3306"
 32
 33
        volumes:
 34
         - ./mysql data:/var/lib/mysql
 35
        restart: always
                              YAML Ain't Markup Language
```

• 通过 fz 上传到远程服务器上

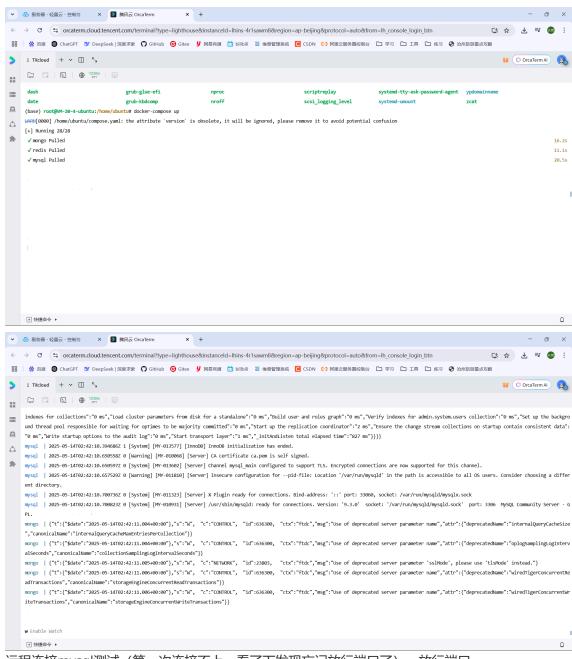


• 在远程服务器上启动

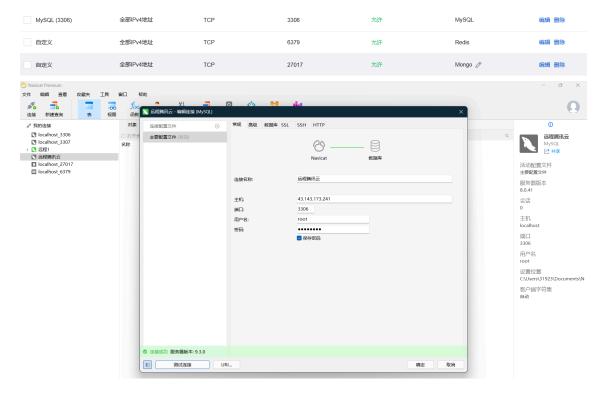
```
docker-compose up
```



#### 这里在本地编辑后忘保存了,又重新重复了下步骤



• 远程连接mysql测试(第一次连接不上,看了下发现忘记放行端口了),放行端口



#### 6 部署分布式爬虫

• 启动scrapyd服务

```
Windows PowerShell
版权所有(C) Microsoft Corporation。保留所有权利。
安装最新的 PowerShell, 了解新功能和改进! https://aka.ms/PSWindows
加载个人及系统配置文件用了 6413 毫秒。
(base) PS C:\Users\31923\Desktop\自动备份文件\3.学习\网络爬虫\作业\2025\05-13> scrapyd
2025-05-14T10:54:01+0800 [-] Loading C:\Users\31923\AppBata\Roaming\Python\Python312\site-packages\scrapyd\txapp.py...
2025-05-14T10:54:01+0800 [scrapyd.basicauth#info] Basic authentication disabled as either 'username' or 'password' is un set
2025-05-14T10:54:01+0800 [scrapyd.app#info] Scrapyd web console available at http://127.0.0.1:6800/
2025-05-14T10:54:01+0800 [twisted.application.app.AppLogger#info] twistd 24.11.0 (D:\miniconda3\python.exe 3.12.9) start ing up.
2025-05-14T10:54:01+0800 [twisted.application.app.AppLogger#info] reactor class: twisted.internet.selectreactor.SelectRe actor.
2025-05-14T10:54:01+0800 [twisted.application.app.AppLogger#info] fractory <twisted.web.server.Site object at 0x00000019AEE 0F86E0>
2025-05-14T10:54:01+0800 [twisted.web.server.Site#info] Starting factory <twisted.web.server.Site object at 0x00000019AEE 0F86E0>
2025-05-14T10:54:01+0800 [Launcher] Scrapyd 1.5.0 started: max_proc=64, runner='scrapyd.runner'
```

• 启动gerapy可视化界面

```
Windows PowerShell

Windows PowerShell

Windows PowerShell

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安装最新的 PowerShell, 了解新功能和改进! https://aka.ms/PSWindows

加载个人及系统配置文件用了 2969 毫秒。
(base) PS C:\Users\31923> d:
(base) PS D:\Gerapy> cd .\Gerapy\
(base) PS D:\Gerapy> gerapy runserver 127.0.0.1:8008

Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

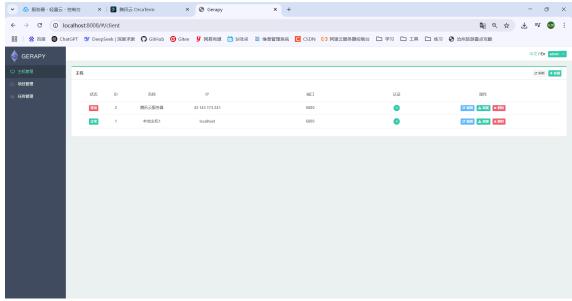
INFO - 2025-05-14 10:56:17,628 - process: 14040 - scheduler.py - gerapy.server.core.scheduler - 105 - scheduler - succes sfully synced task with jobs with force

May 14, 2025 - 10:56:17

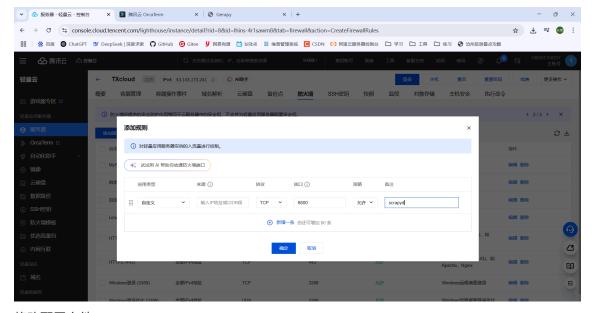
Django version 2.2.28, using settings 'gerapy.server.server.settings'

Starting development server at http://127.0.0.1:8008/
Quit the server with CTRL-BREAK.
```

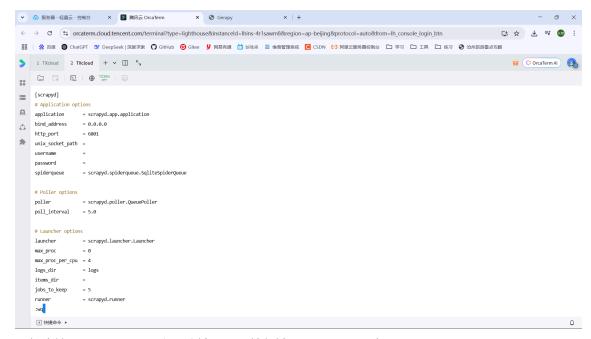
• 连不上,又忘记放行端口了。。。。。不对,scrapyd 的配置文件也没改。。。。。



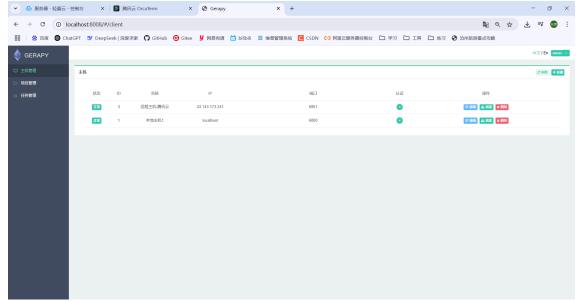
• 放行6800端口



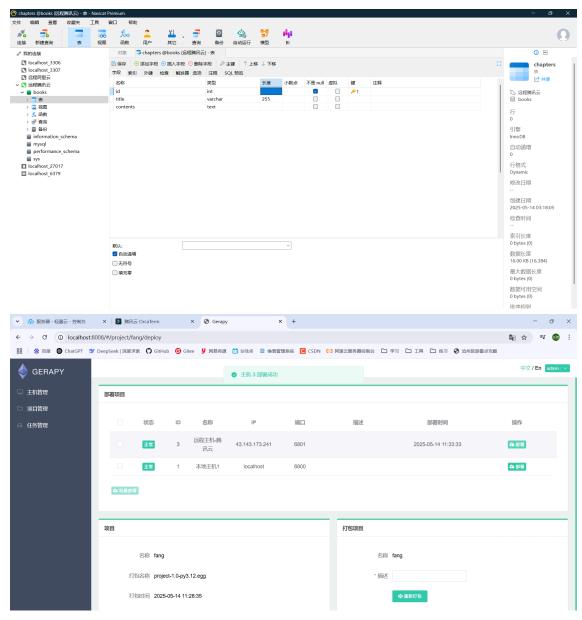
• 修改配置文件



● 重新连接,嗯。。。。。忘了改端口了,放行端口6801,再重连



• 在腾讯云服务器上部署项目并运行,忘了建表了。。。。, 先建表



- 没部署上,远程服务器包没装全,装包后运行项目
- 修改项目 (修改mysql和redis的ip地址)
- 向redis中添加初始url

redis-cli -h 43.143.173.241 -p 6379 -a 123456 lpush baidu:start\_urls https://www.xiaoshuopu.com/class\_1/

#### • 运行结果

o 远程mysql数据库

