1. 安装XShell 和 XFtp

https://www.xshell.com/zh/free-for-home-school/

2. XShell连接服务器

名称 ▲	主机	端口	协议	用户名	说明	修改时间
🐚root	124.22▮▮▮4	22	SSH	roo▮▮		2024-0▮

3. 创建工作目录

```
mkdir work
cd work
```

4. 安装Anaconda

```
# 也可直接在线下载
wget https://repo.anaconda.com/archive/Anaconda3-2023.03-1-Linux-x86_64.sh

bash Anaconda-latest-Linux-x86_64.sh
source ~/.bashrc

conda create --name agentscope_env python=3.9

conda activate agentscope_env

# 然后安装依赖库，运行代码
pip install pypdf pdfminer.six openai langchain langchain_openai agentscope Chroma chromadb Spee
```
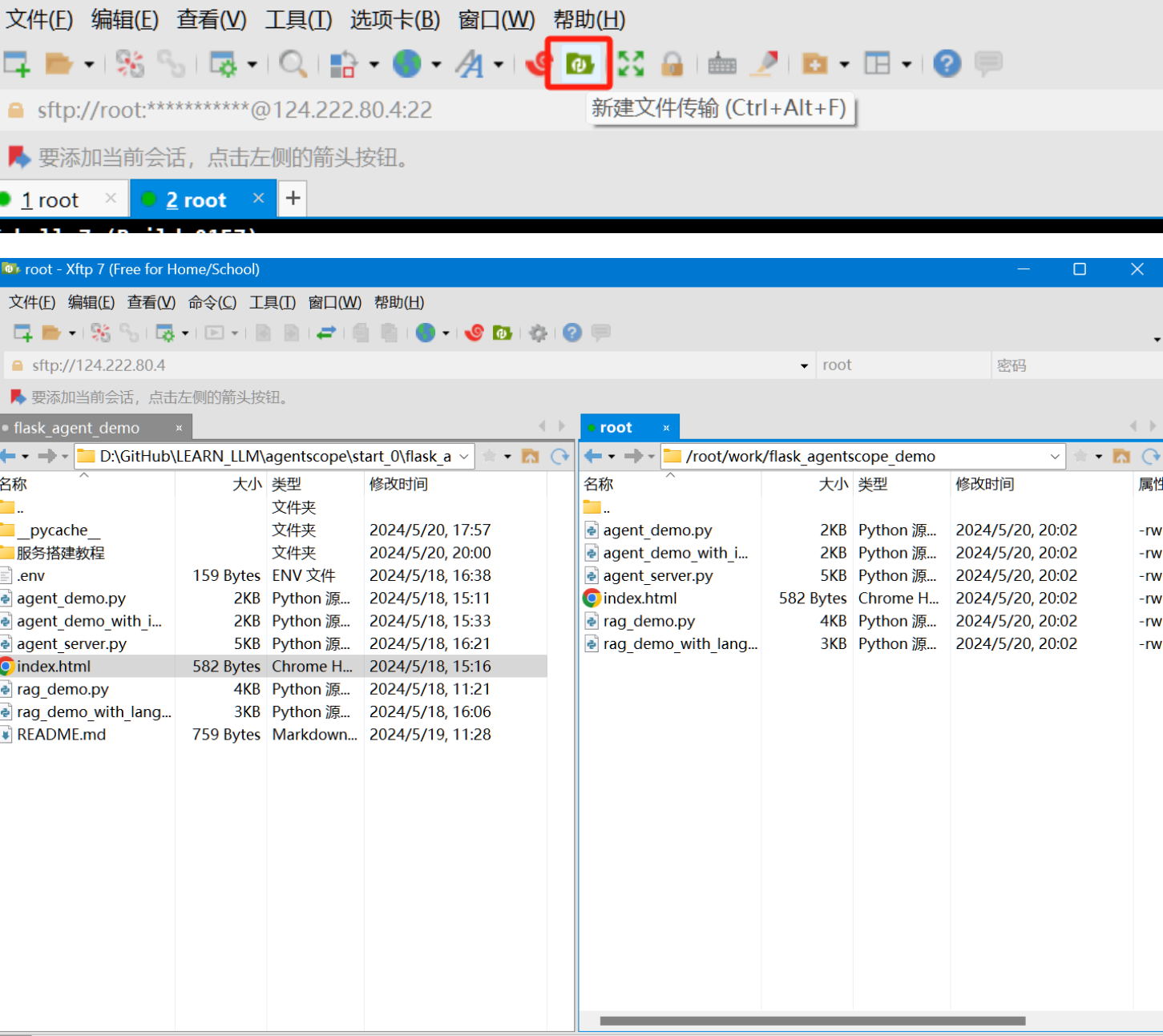
5. 上传代码

6. 运行代码

```
conda activate agentscope_env
python3 agent_server.py
```

```
^C(agentscope_env) [root@VM-12-3-centos flask_agentscope_demo]# python agent_server.py
2024-05-20 21:37:53.699 | INFO     | agentscope.models:read_model_configs:170 - Load configs for model wrapper: openai_cfg
2024-05-20 21:37:53.705 | INFO     | agentscope.utils.monitor:_create_monitor_table:396 - Init [monitor_metrics] as the monitor table
2024-05-20 21:37:53.705 | INFO     | agentscope.utils.monitor:_create_monitor_table:397 - Init [monitor_metrics_quota_exceeded] as the monitor trigger
2024-05-20 21:37:53.706 | INFO     | agentscope.utils.monitor:__init__:366 - SqliteMonitor initialization completed at [./runs/run_20240520-213752_2shfgv/agentscope.db]
2024-05-20 21:37:53.707 | WARNING  | agentscope.models.model:get_wrapper:212 - Model type [openai] will be deprecated in future releases, please use [openai_chat] instead.
2024-05-20 21:37:53.707 | INFO     | agentscope.models.model:__init__:201 - Initialize model by configuration [openai_cfg]
2024-05-20 21:37:53.736 | INFO     | agentscope.utils.monitor:register_budget:609 - set budget None to gpt-3.5-turbo
2024-05-20 21:37:53.737 | INFO     | agentscope.utils.monitor:register:417 - Register metric [gpt-3.5-turbo.cost] to SqliteMonitor with unit [dollor] and quota [None]
2024-05-20 21:37:53.741 | INFO     | agentscope.utils.monitor:register:417 - Register metric [gpt-3.5-turbo.prompt_tokens] to SqliteMonitor with unit [token] and quota [None]
2024-05-20 21:37:53.748 | INFO     | agentscope.utils.monitor:register:417 - Register metric [gpt-3.5-turbo.completion_tokens] to SqliteMonitor with unit [token] and quota [None]
2024-05-20 21:37:53.756 | INFO     | agentscope.utils.monitor:register:417 - Register metric [gpt-3.5-turbo.call_counter] to SqliteMonitor with unit [times] and quota [None]
2024-05-20 21:37:53.760 | INFO     | agentscope.utils.monitor:register:417 - Register metric [gpt-3.5-turbo.total_tokens] to SqliteMonitor with unit [token] and quota [None]
 * Serving Flask app 'agent_server'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:8017
 * Running on http://10.0.12.3:8017
Press CTRL+C to quit
```

124.222.80.4:8017/user_query?query=hello

美观输出 ☑

```
{
  "content": "Hello! How can I assist you today?",
  "id": "f89269b3438c465bbe3e20022ecf4840",
  "name": "myAgent",
  "role": "assistant",
  "timestamp": "2024-05-21 09:48:13",
  "url": null
}
```

以下为参考，未使用，有问题未解决。

7. 安装python3

参考：https://blog.csdn.net/weixin_71435518/article/details/131267114

```
Could not build the ssl module!
Python requires a OpenSSL 1.1.1 or newer
```

```
yum update #更新系统
yum install wget -y
wget https://www.python.org/ftp/python/3.9.0/Python-3.9.0.tgz
tar -zxvf Python-3.9.0.tgz
yum -y install zlib-devel bzip2-devel openssl-devel ncurses-devel sqlite-devel readline-devel tk
mkdir -p /usr/local/python3

cd Python-3.9.0
./configure --prefix=/usr/local/python3
make && make install
ln -s /usr/local/python3/bin/python3.9 /usr/bin/python3
ln -s /usr/local/python3/bin/pip3.9 /usr/bin/pip3

vi ~/.bash_profile
# 文件最后写入以下内容后保存：
    export PYTHON_HOME=/usr/local/python3
    export PATH=$PYTHON_HOME/bin:$PATH

source ~/.bash_profile

python3 --version
```

8. 安装依赖库

```
pip3 install pypdf pdfminer.six openai langchain langchain_openai agentscope Chroma chromadb Sp
```

9. 错误

以下错误没有全解决。

9.1 ImportError: urllib3 v2 only supports OpenSSL 1.1.1+, currently the 'ssl' module is compiled with 'OpenSSL 1.0.2k-

fips 26 Jan 2017'. See:
https://github.com/urllib3/urllib3/issues/2168

```
wget https://www.openssl.org/source/openssl-1.1.1.tar.gz
tar zxvf openssl-1.1.1.tar.gz
cd openssl-1.1.1


./config --prefix=/usr/local/openssl


make && make install


sudo mv /usr/bin/openssl /usr/bin/openssl.old
sudo ln -s /usr/local/openssl/bin/openssl /usr/bin/openssl
echo "/usr/local/openssl/lib" | sudo tee -a /etc/ld.so.conf
sudo ldconfig


openssl version
```

解决：pip3 install urllib3=1.25

9.2 RuntimeError: Your system has an unsupported version of sqlite3. Chroma requires sqlite3 >= 3.35.0

https://blog.csdn.net/zzddada/article/details/104300293