本文讲win10如何在Docer容器中运行IntelliJ

win10 intelliJ docker

只需要几个步骤

- 安装docker
- 注册docker hub id
- 执行

```
docker pull guodonghu/ideaj:v1.1
```

- windows10系统下载xming，并安装
- 启动container

```
docker run ...
```

Dockerfile

```
FROM adoptopenjdk/openjdk8

LABEL maintainer "Viktor Adam <rycus86@gmail.com>"

RUN  \
  apt-get update && apt-get install --no-install-recommends -y \
  gcc git openssh-client less \
  libxtst-dev libxext-dev libxrender-dev libfreetype6-dev \
  libfontconfig1 libgtk2.0-0 libxslt1.1 libxxf86vm1 \
  && rm -rf /var/lib/apt/lists/* \
  && useradd -ms /bin/bash developer

ARG idea_source=https://download.jetbrains.com/idea/ideaIC-192.5118.30.tar.gz
ARG idea_local_dir=.IdeaIC2019.2

WORKDIR /opt/idea

RUN curl -fsSL $idea_source -o /opt/idea/installer.tgz \
```

```
  && tar --strip-components=1 -xzf installer.tgz \
  && rm installer.tgz

USER developer
ENV HOME /home/developer

RUN mkdir /home/developer/.Idea \
  && ln -sf /home/developer/.Idea /home/developer/$idea_local_dir

CMD [ "/opt/idea/bin/idea.sh" ]
```

docker run

```
docker run --rm -e DISPLAY=$DISPLAY -v e:GDUT/dockerdev/X11-unix:/tmp/.X11-unix -v
e:/GDUT/dockerdev/Idea:/home/developer/.Idea -v
e:/GDUT/dockerdev/java:/home/developer/.java -v
e:/GDUT/dockerdev/maven:/home/developer/.m2 -v
e:/GDUT/dockerdev/gradle:/home/developer/.gradle -v
e:/GDUT/dockerdev/IdeaIC2019:/home/developer/.IdeaIC2019.2 -v
e:/GDUT/dockerdev/share:/home/developer/.local/share/JetBrains -v
e:/GDUT/dockerdev/Project:/home/developer/Project guodonghu/ideaj:v1.1
```

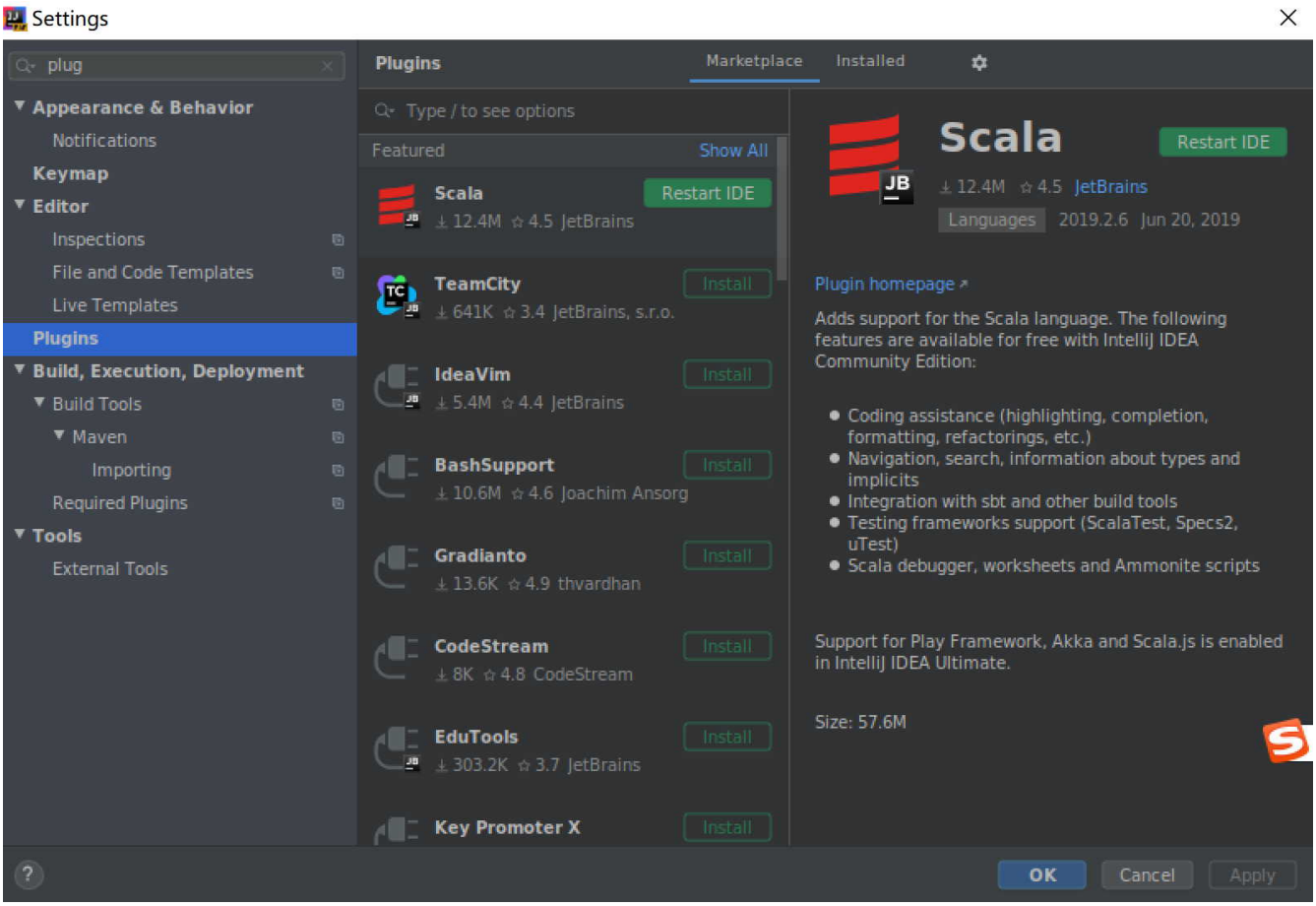
其中`-v 后面的是本地与container共享的文件目录`

DockerHub

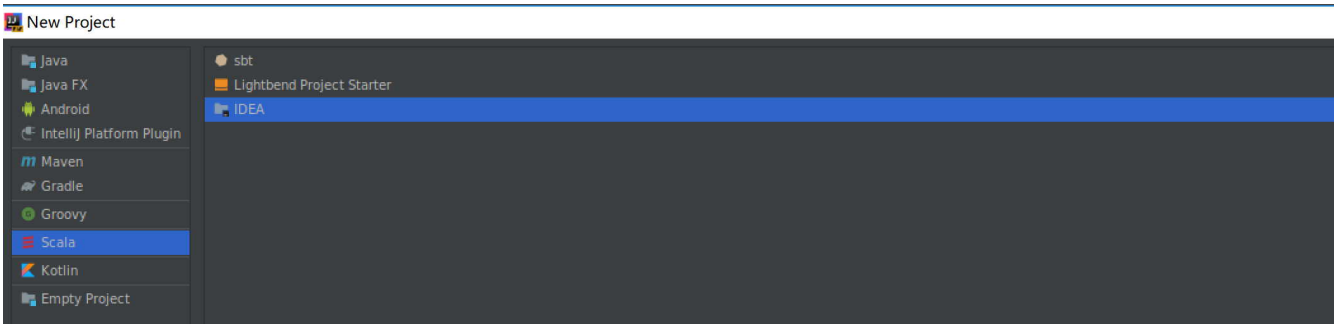
```
# 镜像
docker pull guodonghu/ideaj:v1.1

# 运行
docker run ...
```

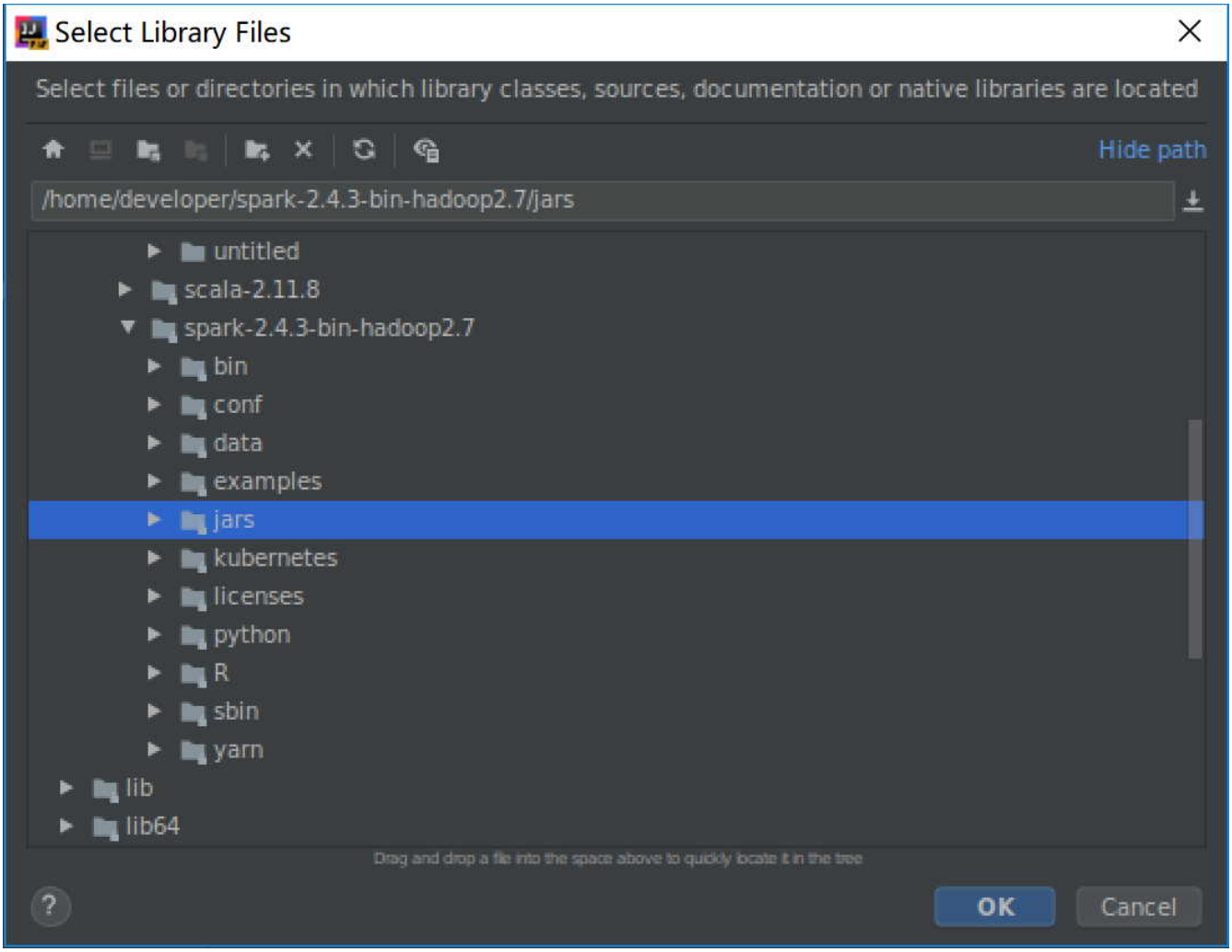
scala & spark

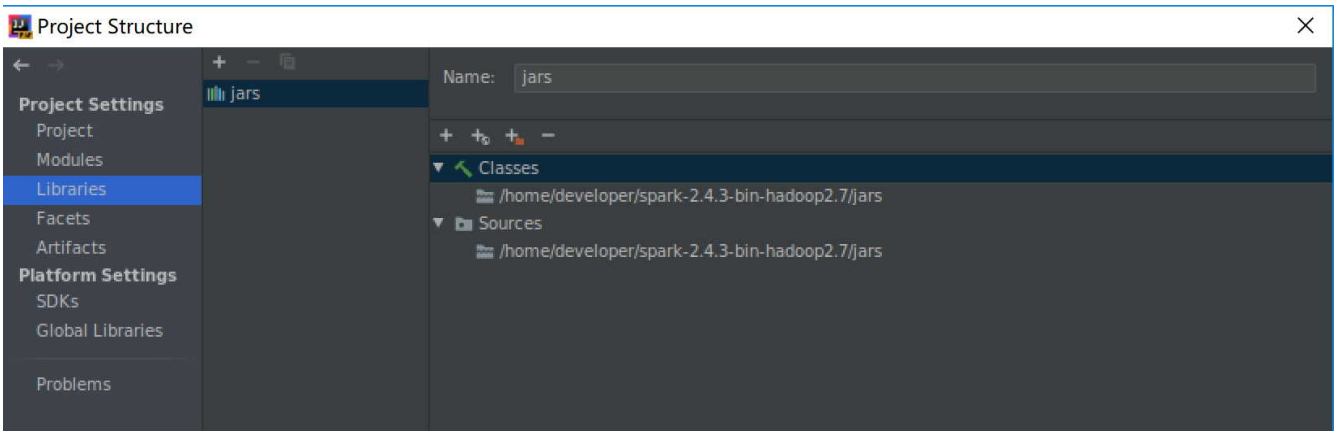
成功打开intellij后，选择插件，安装scala插件。



在v1.1中，我下载好了scala2.11 和spark 2.4.3在镜像中。直接配置依赖即可。







试验一下开发环境

在powershell中输入：

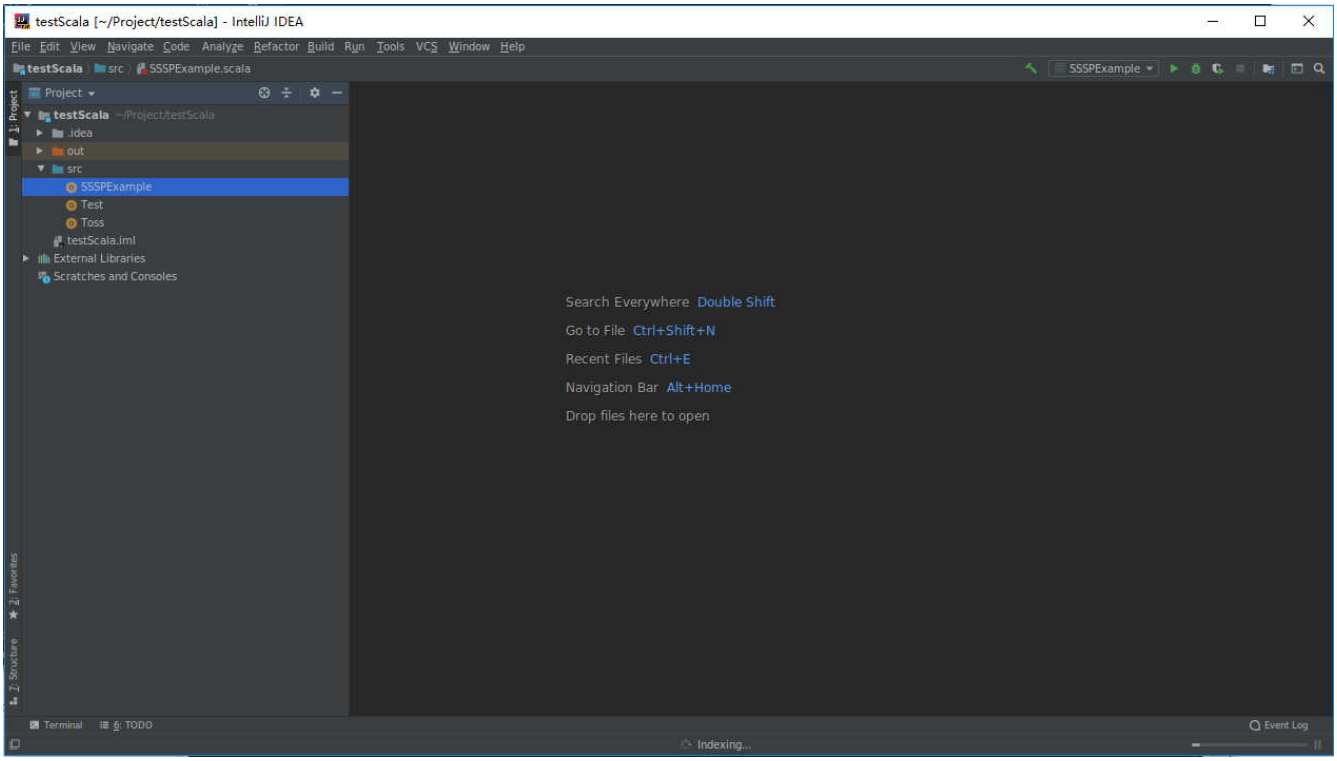
```
set-variable -name DISPLAY -value 192.168.31.224:0.0
```

接着输入：

```
docker run...
```

```
PS C:\Users\x1c> docker run --rm -e DISPLAY=$DISPLAY -v e:GDUT/dockerdev/X11-unix:/tmp/.X11-unix -v e:/GDUT/dockerdev/Idea:/home/developer/.Idea -v e:/GDUT/dockerdev/java:/home/developer/.java -v e:/GDUT/dockerdev/maven:/home/developer/.m2 -v e:/GDUT/dockerdev/gradle:/home/developer/.gradle -v e:/GDUT/dockerdev/IdeaIC2019:/home/developer/.IdeaIC2019.2 -v e:/GDUT/dockerdev/share:/home/developer/.local/share/JetBrains -v e:/GDUT/dockerdev/Project:/home/developer/Project guodonghu/ideaj:v1.1
```

图形界面已经启动成功了。



在IDE中运行样例代码也成功了。