

先在 docker 上注册一个账号

<https://hub.docker.com/>

Windows 看这个链接，了解如何安装

<https://www.runoob.com/docker/windows-docker-install.html>

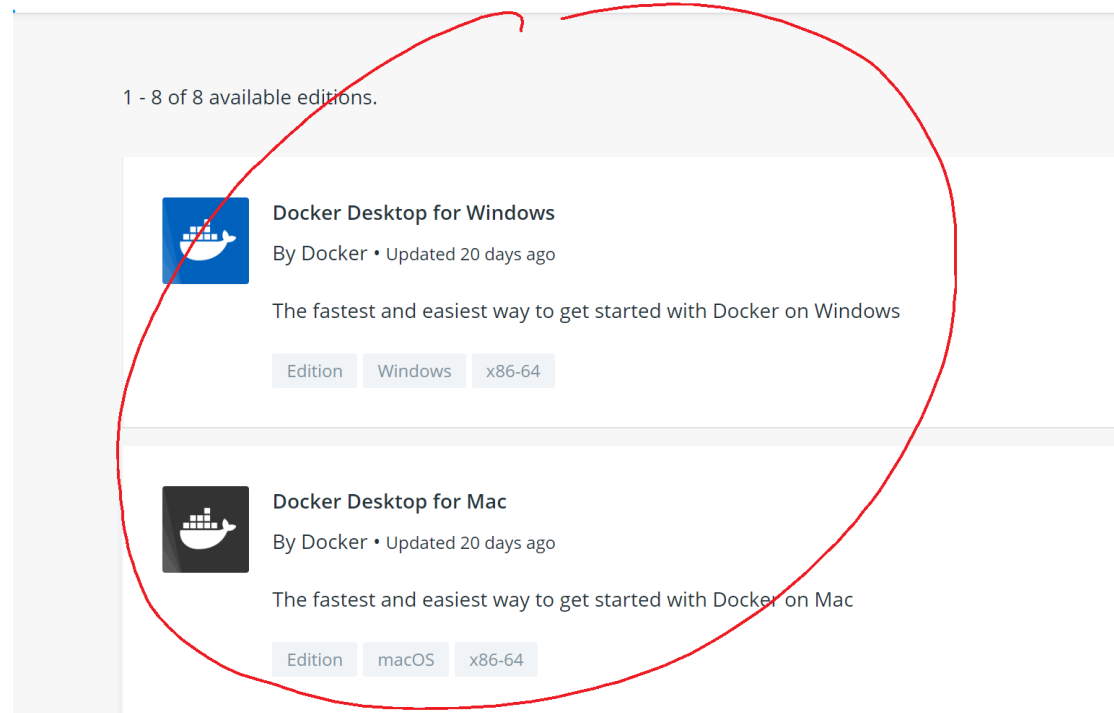
mac 安装请参看这个链接：

<https://docs.docker.com/docker-for-mac/install/>

对 windows10 或 mac，以下是下载路径：

https://hub.docker.com/search?q=&type=edition&offering=community&sort=updated_at&order=desc

根据你的电脑配置作相应地选择，注意是：Docker Desktop



注意 Windows10，安装前要启用以下 Hyper-V

启用或关闭 Windows 功能



若要启用一种功能，请选择其复选框。若要关闭一种功能，请清除其复选框。
填充的框表示仅启用该功能的一部分。

- ☐ .NET Framework 3.5 (包括 .NET 2.0 和 3.0)
- ☒ .NET Framework 4.8 Advanced Services
- ☐ Active Directory Lightweight Directory Services
- ☒ Containers
- ☐ Data Center Bridging
- ☐ Guarded Host
- ☒ Hyper-V
 - ☒ Hyper-V 管理工具
 - ☒ Hyper-V 平台
- ☒ Internet Explorer 11
- ☐ Internet Information Services
- ☐ Internet Information Services 可承载的 Web 核心
- ☒ Microsoft Print to PDF
- ☒ Microsoft XPS 文档写入程序
- ☐ Microsoft 消息队列(MSMQ)服务器

确定

取消

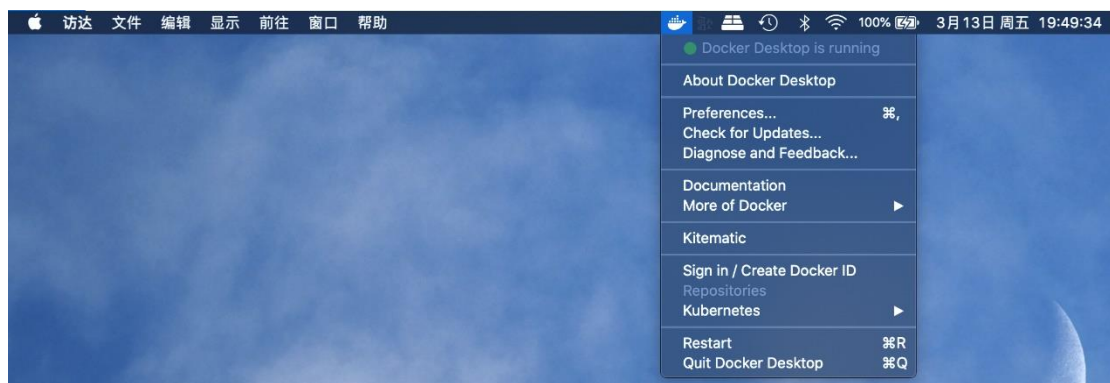
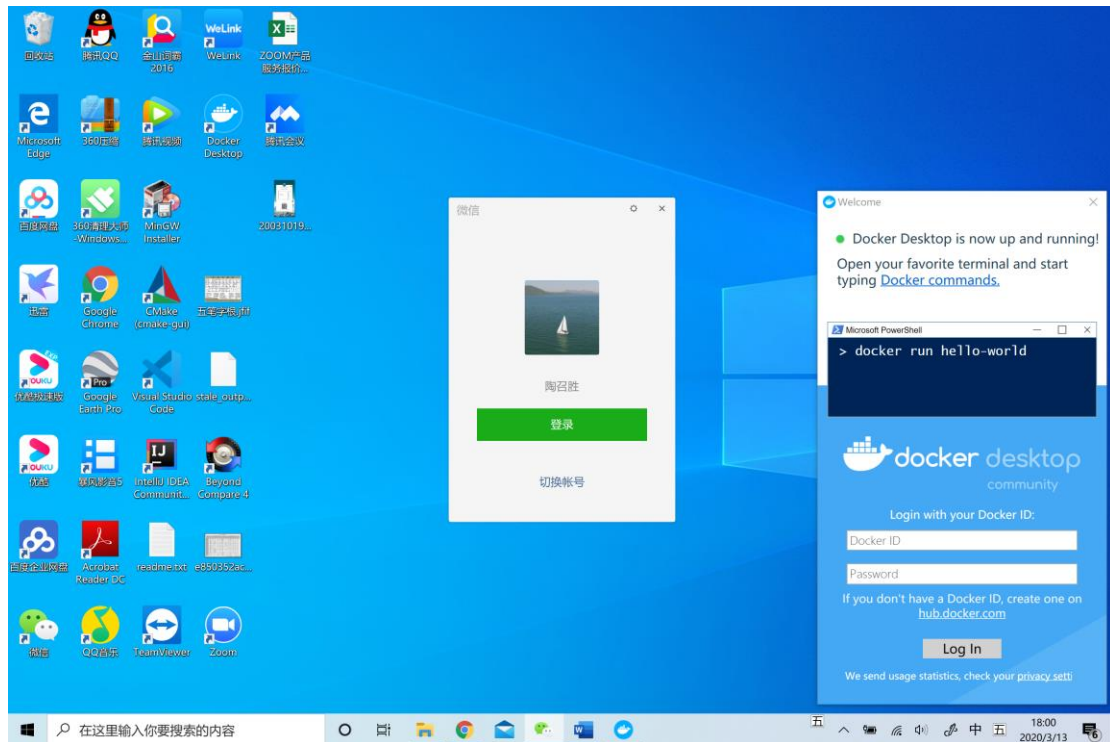
Docker Desktop 2.2.0.4

Installation succeeded

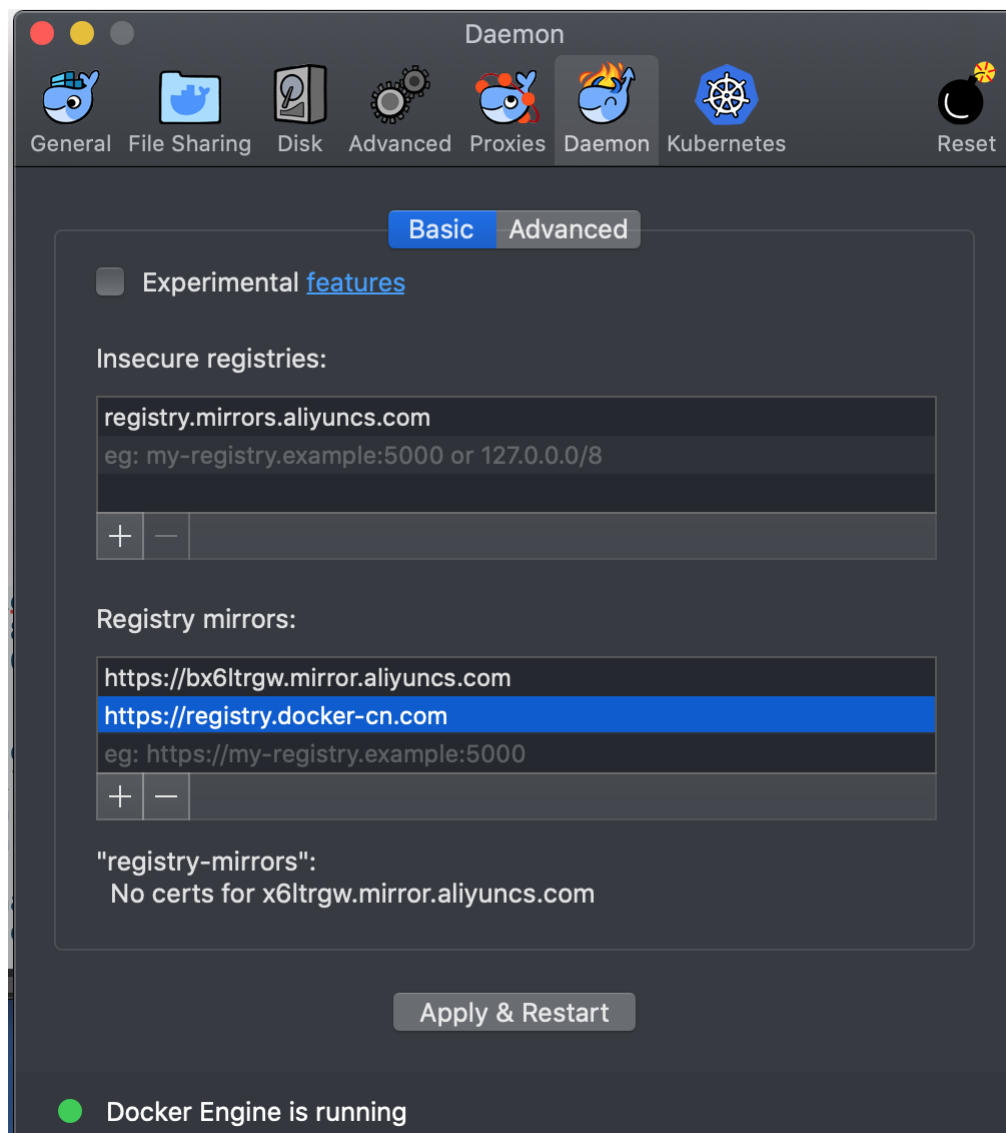
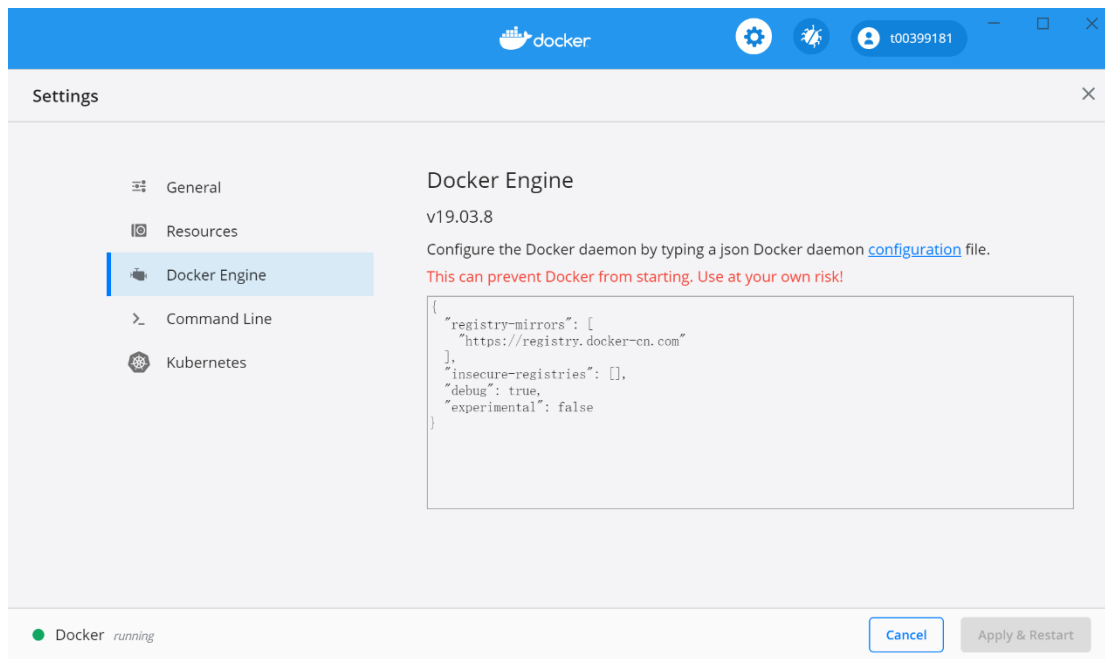
You must restart Windows to complete installation.

Close and restart

在下图中填入第一步申请的账号和密码



镜像加速器地址 <https://registry.docker-cn.com>



安装是否成功的确认命令：

- 1、docker version 来查看版本号
- 2、docker run hello-world 载入测试镜像

```
命令提示符
C:\Users\tzs91>docker version
Client: Docker Engine - Community
 Version:      19.03.8
 API version:  1.40
 Go version:   gol.12.17
 Git commit:   afacb8b
 Built:        Wed Mar 11 01:23:10 2020
 OS/Arch:      windows/amd64
 Experimental: false

Server: Docker Engine - Community
 Engine:
  Version:      19.03.8
  API version:  1.40 (minimum version 1.12)
  Go version:   gol.12.17
  Git commit:   afacb8b
  Built:        Wed Mar 11 01:29:16 2020
  OS/Arch:      linux/amd64
  Experimental: false
 containerd:
  Version:      v1.2.13
  GitCommit:    7ad184331fa3e55e52b890ea95e65ba581ae3429
 runc:
  Version:      1.0.0-rc10
  GitCommit:    dc9208a3303feef5b3839f4323d9beb36df0a9dd
 docker-init:
  Version:      0.18.0
  GitCommit:    fec3683

C:\Users\tzs91>
```

```
命令提示符
C:\Users\tzs91>docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
1b930d010525: Already exists
Digest: sha256:f9dfddf63636d84ef479d645ab5885156ae030f611a56f3a7ac7f2fdd86d7e4e
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

C:\Users\tzs91>
```

```
[taoxuefei@taoxuefeideMacBook-Pro-3 ~ % docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
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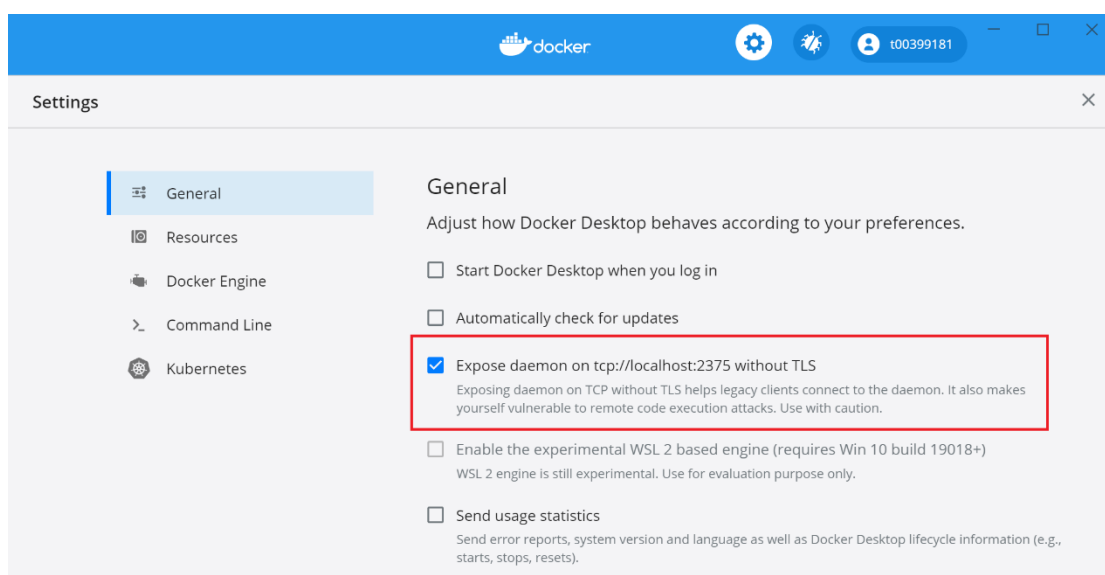
taoxuefei@taoxuefeideMacBook-Pro-3 ~ %
```

mvn clean package docker:build

如果报以下错:

```
[INFO] BUILD FAILURE
[INFO] Total time: 20.094 s
[INFO] Finished at: 2020-03-21T15:55:43+08:00
[ERROR] Failed to execute goal com.spotify.docker-maven-plugin:1.0.0:build (default-cli) on project simple-service: Exception caught: java.util.concurrent.ExecutionException: com.spotify.docker.client.shaded.javax.ws.rs.ProcessingException: org.apache.http.conn.HttpHostConnectException: Connect to localhost:2375 [localhost/127.0.0.1, localhost/0:0:0:0:0:0:1] failed: Connection refused: connect -> [Help 1]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoExecutionException
```

请转到 docker 设置，将以下项勾选，重启 docker



安装 postman:

<https://www.postman.com/downloads/>