# Docker 笔记

工作笔记 docker

### 需求

想玩nodeClub 源码跑起来,结果window 上各种报错,各种依赖软件要装的感觉,所以怒装虚拟机装linux,看网上Docker 挺热的,就决定试下docker,结果再次入坑啊!

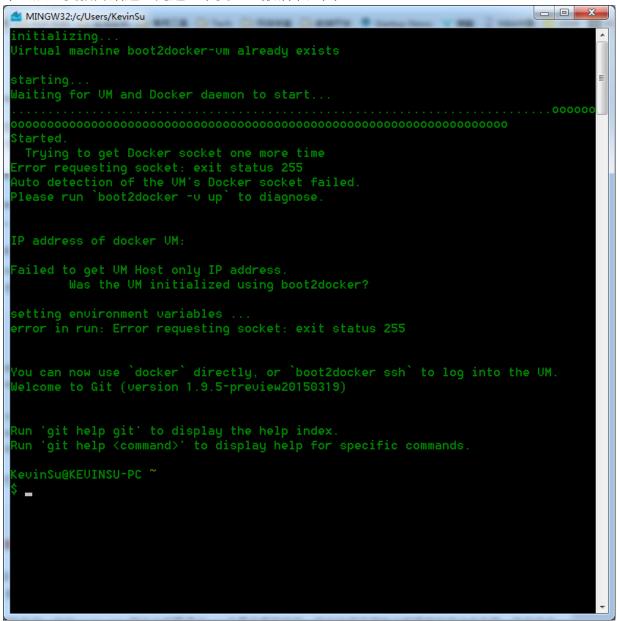
### 安装

由于是window 下安装,看 Docker官网的window安装指南, 直接下载 Boot2Docker for Windows installer,根据安装指南进行安装就可以了

# 入门使用

安装成功后 桌面上 有Boot2Docker Start 的快捷图标,点击就可以启动boot2docker 了。

#### 不过从此我就开始遇上问题了,我一直报错,如图:



大概意思是: "Error requesting socket: exit status 255"

通过搜索错误信息 找到了 Docker error: Error requesting socket: exit status 255 这篇文章,个人理解的意思是同boot2docker up -v 查看错误信息,在错误信息中找到VM 的IP,然后直接通过 ssh docker@IP 连入docker 所在的VM (默认密码是tcuser),可是我 boot2docker up -v 输出的错误信息中没有找到IP信息啊,通过命令boot2docker ip 输出的信息如下:

```
KevinSu@KEVINSU-PC ~
$ boot2docker ip
Failed to get UM Host only IP address.
Was the UM initialized using boot2docker?
```

此时打开VM 界面是可以看到boot2docker-vm 是正在运行的running 状态,命令行下 boot2docker status可以查看其状态,这是怀疑是VM 的网络设置问题了,通过VM 图形界面 更改网络设置,然后通过boot2docker start 重新连入,还是没有解决

重新回到输出的错误信息:"Error requesting socket: exit status 255" 上,在stackoverflow 找到了相关的答案 boot2docker shellinit command ended up in error "Error requesting socket: exit status 255"。根据答案把host文件改了(以前有些虚拟的假域名指向本地)同时

```
boot2docker delete //删除当前的VM boot2docker-vm
boot2docker init //重新初始化VM boot2docker-vm
boot2docker up // 启动VM boot2docker-vm
```

#### 出现了一下提示:

和 Docke官网 install 指南 最后的截图有点相似了,这时候运行测试安装成功的 docker run hello-world 还是提示不成功的如下:

```
KevinSu@KEVINSU-PC ~

$ docker run hello-world

An error occurred trying to connect: Post https://192.168.59.103:2376/v1.19/cont

ainers/create: x509: certificate is valid for 127.0.0.1, 10.0.2.15, not 192.168.

59.103

KevinSu@KEVINSU-PC ~
```

这时候还是在当前主机操作系统(我们本身用的机器)并没有进入docker中,所以要通过 ssh docker@ip 命令连入到VM boot2docker-vm中,上图:

#### 小鲸鱼出现啦!

这时候的prompt 变成了 docker@boot2docker ~\$

首次通过ssh 连接时候需要key 的链接确认直接yes就可以了!

#### 感觉终于看见进行终极测试 docker run hello-world 了!上图:

```
docker@boot2docker:~$ docker run hello-world
Jnable to find image 'hello-world:latest' locally
latest: Pulling from hello-world
91c95931e552: Already exists
nello-world:latest: The image you are pulling has been verified. Important: imag
verification is a tech preview feature and should not be relied on to provide
security.
Digest: sha256:aa03e5d0d5553b4c3473e89c8619cf79df368babd18681cf5daeb82aab55838d
Status: Downloaded newer image for hello-world:latest
Hello from Docker.
his message shows that your installation appears to be working correctly.
o 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.
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.
o try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash
or more examples and ideas, visit:
http://docs.docker.com/userguide/
```

## 总结

成功后才明白boot2docer其实是shell 把window 的命令转换成Linux的,只有ssh 连入之后才可以开始docker