[**https://segmentfault.com/a/1190000011760937**](https://segmentfault.com/a/1190000011760937)

Prerequisites: Install Homebrew

run: /usr/bin/ruby -e "$(curl -fsSL <https://raw.githubusercontent.com/Homebrew/install/master/install>)"

**Step1: Install Docker**

docker client

在Mac上使用Docker，需要使用boot2docker建立docker运行的虚拟机宿主环境

1. install boot2docker: brew install boot2docker
2. initial start boot2docker(only one time): boot2docker init
3. start boot2docker: boot2docker start

**Step2: Ubuntu(c832828a516a)**

1. Get image: docker pull ubuntu:latest
2. Install image and mount folder: docker run -it -v /Users/test:/soft ubuntu /bin/bash

**Step3: Install Python3.5 in Ubuntu**

1. Start a container: docker start c832828a516a
2. Install apt-get: apt-get update
3. Install python3.5: apt-get install python3.5
4. Use Python3.5: python3.5
5. Install python3-pip: apt-get install python3-pip
6. Install python-requests: apt-get install python3-requests
7. Install python-bs4: apt-get install python3-bs4
8. Install selenium: apt-get install python3-selenium

**Step4: Install Firefox52 in Ubuntu**

1. Install Firefox: apt-get install firefox52

**Step5: Install VNC in Ubuntu**

1. install vnc: apt-get install vnc4server
2. set password: Passw0rd
3. edit config file **/root/.vnc/xstartup:**

   #!/bin/sh

          export XKL\_XMODMAP\_DISABLE=1

          unset SESSION\_MANAGER

          unset DBUS\_SESSION\_BUS\_ADDRESS

          gnome-panel &

          gnome-settings-daemon &

          metacity &

          nautilus &

          gnome-terminal &

1. install gnome: apt-get install gnome-panel gnome-settings-daemon metacity nautilus gnome-terminal

vncserver -kill :1

**Step6: Install vim / ifconfig / ping command in Ubuntu**

1. install vim: apt-get install vim
2. install ifconfig: apt install net-tools
3. install ping: apt install iputils-ping
4. install brctl: apt install bridge-utils

**Step7: Install ifconfig and ping command in Ubuntu**

1. install ifconfig

Step5: Create a new user to install VNC

1. add user: useradd -u 545 -d /usr/cindy -g users -m cindy
2. set default password: passwd sherry
3. enter new password: sherry001