## 虚拟机安装Ubuntu --- docker教程

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虚拟机安装教程

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## 虚拟机安装教程

## 下载

vbox下载地址



# **VirtualBox**

## **Download VirtualBox**

Here you will find links to VirtualBox binaries and its source code.

#### VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

If you're looking for the latest VirtualBox 5.2 packages, see VirtualBox 5.2 builds. Please also 5.2 will remain supported until July 2020.

#### VirtualBox 6.0.6 platform packages

- ➡ Windows hosts
- BOS X hosts
- · Linux distributions
- ➡ Solaris hosts

The binaries are released under the terms of the GPL version 2.

#### **About**

Screenshots

Downloads

Documentation

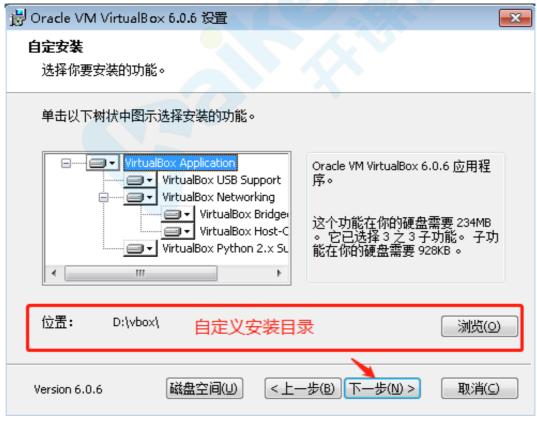
End-user docs

Technical docs

Contribute

Community



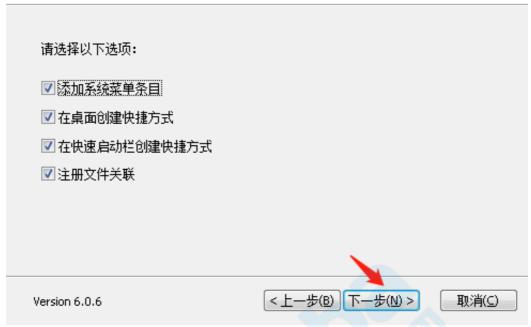




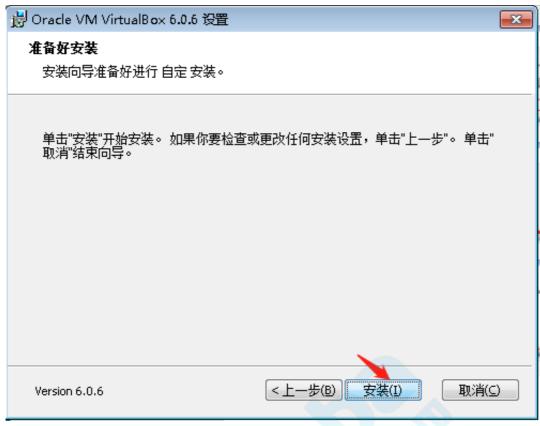


## 自定安装

选择你要安装的功能。

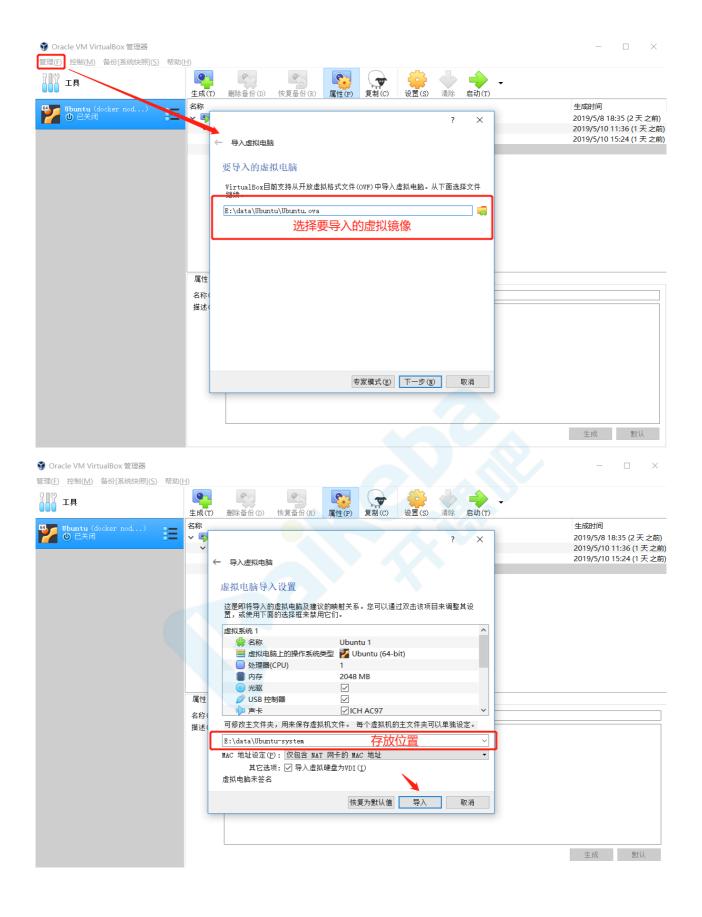




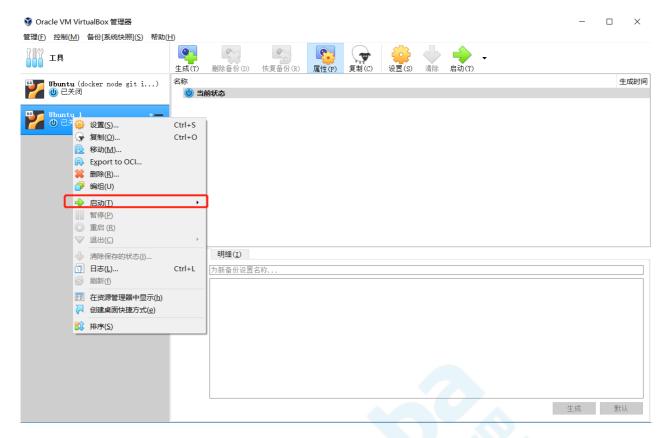




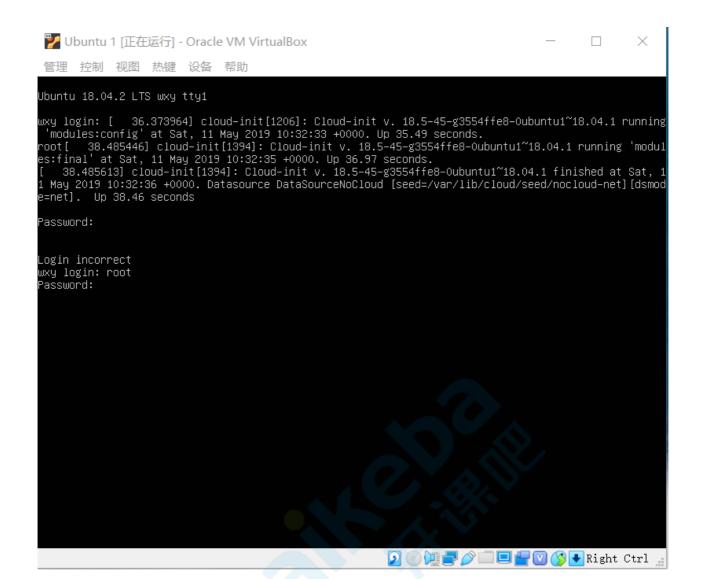
导入虚拟机



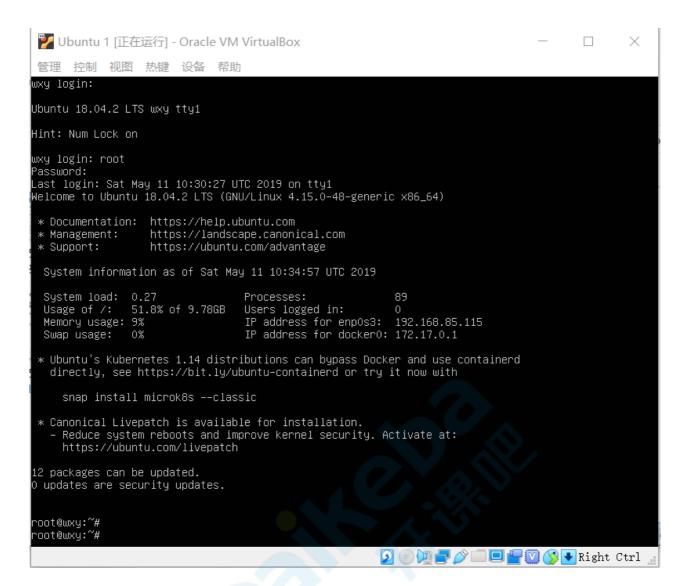
## 启动虚拟机



输入账户密码、登录 本镜像账户为 root 密码: 111111 (小伙伴想要修改的话可以自行在ubuntu系统中进行修改)



## 登录成功



#### 通过ssh登录

windows子系统ssh登录服务器(MAC直接使用终端登录)

利用 ifconfig 查看服务器ip地址

打开Windows子系统,连接虚拟机(没有的小伙伴自行下载)

```
ssh root@192.168.43.73
# root 为用户名
# ip地址
```

## 配置ssh免密登录

我们看到上述操作需要登录密码,比较繁琐,接下来我们设置ssh免密登录

## 服务器生成公钥

```
ssh-keygen -t rsa
 🌠 Ubuntu 1 [正在运行] - Oracle VM VirtualBox
       控制 视图 热键 设备
 oot@wxy:~#|ssh-keygen -t rsa 生灰公钥
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
Overwrite (y/n)? y <mark>y</mark>
Enter passphrase (empty for <u>no</u> passphrase):
                                                           输入密码,可以为空
Enter same passphrase again: 東次輸入流見sh/id_rsa.
Your identification has been saved 输入心机。
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:jwEqz+g9x78mAHOKskyvKQOFKSe4JjX7vo7TcgU+xxs root@wxy
The key's randomart image is:
  ---[RŠA 2048]--
 +o= o...
=+o=.= S
 o. ** E +
  0+00* 0. .
 .++0= = .
```

## windows子系统生成公钥

--[SHA256]

MAC本的如果之前在本机生成过公钥就不需要此步骤,因为重新生成会把之前的公钥给覆盖掉

exit退出刚才ssh登录的虚拟机用户,同样的方法 ssh-keygen -t rsa 在windows子系统生成公钥

```
Toot@LAPTOP-GAHBVO25: ~
                                                                                                  X
 oot@wxy:~# exit
Logout
Connection to 192.168.43.73 closed.
coot@LAPTOP-GAHBVO25:~# ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
Overwrite (\mathrm{y/n})? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id rsa.pub.
The key fingerprint is:
SHA256:pxQoXjfEwWFCAC/3PWjhsAvjJlnrcFRdOkXsNcvF8ag root@LAPTOP-GAHBVO25
The key's randomart image is:
  --[RSA 2048]--
   ...00=00 ...
   . . O+ o oo
. * B.+o +. .
   = o = s E
     [SHA256]-
```

```
cd .ssh //进入ssh目录
ls //查看文件
cat id_rsa.pub //查看公钥
```



## 将公钥拷贝到服务器上



## 将公钥加入信任列表

```
ls //服务器根目录可以看到拷贝过来id_rsa.pub文件
cat id_dsa.pub >> ~/.ssh/authorized_keys //将公钥加入信任列表

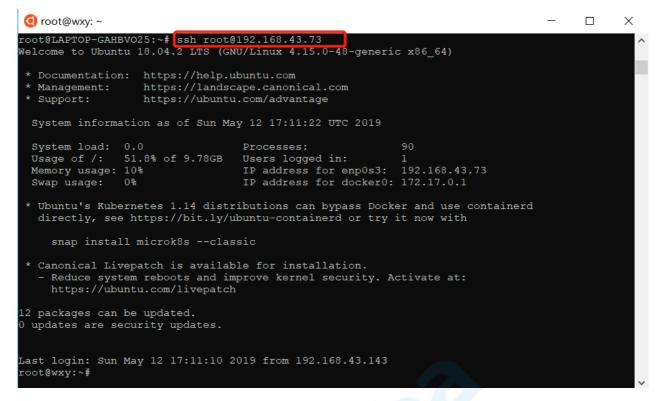
□ Ubuntu 1 [正在运行] - Oracle VM VirtualBox - □ ×

管理 控制 视图 热键 设备 帮助

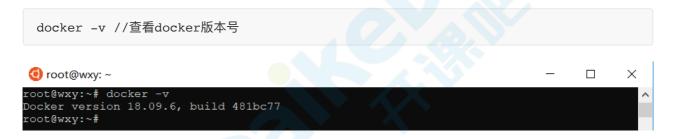
root@wxy:~# ls
id_rsa.pub
root@wxy:~# cat id_rsa.pub >> ~/.ssh/authorized_keys

root@wxy:~#
root@wxy:~#
root@wxy:~#
```

### ssh免密登录完成



本虚拟机镜像当中已安装node,git,docker小伙伴可自行使用



下边就可以尽情的使用docker了

需要注意的是windows中因为没有linux,所以才安装子系统进行操作

MAC中直接使用自带终端代替windows子系统就行,因为默认为一台linux服务器