

# 环境配置

!!! 周五上课前务必配置完毕!!!

## 安装Vmware+Ubuntu

(Vmware+Ubuntu只是其中一种选择, 参考助教发在群里的视频也可以)

[安装教程\(前8min\)](#) (下载文件用下面这个链接, 去官网有可能会很慢)

[Vmware和Ubuntu的相关文件下载\(用校园网\)](#)

## 配置相关编程环境

1. 换源, [https://blog.csdn.net/weixin\\_43876206/article/details/100924378](https://blog.csdn.net/weixin_43876206/article/details/100924378)
2. Ctrl + Alt + T 打开Terminal, 或者右键桌面选择 Open Terminal.
3. 输入: **sudo apt-get update** (输入命令后要按Enter, 若碰到询问 (y/n), 输入y)
4. 安装vim: **sudo apt-get install vim**
5. 安装gcc/g++:
  1. **sudo apt-get install gcc**
  2. **sudo apt-get install g++**
6. 安装make:
  1. **sudo apt-get install ubuntu-make**
  2. **sudo apt-get install make**
7. 安装vscode, [相关文件](#)里有vscode的安装文件, 直接安装即可。
8. 如果上述安装成功, 在终端输入以下命令, 类似下图, 版本号不一定完全一致。

```
code --version
```

```
make --version
```

```
g++ --version
```

```
vim --v
```

```
xrbin@ubuntu:~/Desktop$ code --version
1.62.3
ccbaa2d27e38e5afa3e5c21c1c7bef4657064247
x64
xrbin@ubuntu:~/Desktop$ make --version
GNU Make 4.1
Built for x86_64-pc-linux-gnu
Copyright (C) 1988-2014 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
xrbin@ubuntu:~/Desktop$ g++ --version
g++ (Ubuntu 7.5.0-3ubuntu1~18.04) 7.5.0
Copyright (C) 2017 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

```
VIM - Vi IMproved

        version 7.4.1689
        by Bram Moolenaar et al.
Modified by pkg-vim-maintainers@lists.alioth.debian.org
Vim is open source and freely distributable


        Help poor children in Uganda!
type  :help iccf<Enter>          for information


type  :q<Enter>                  to exit
type  :help<Enter> or <F1>      for on-line help
type  :help version7<Enter>    for version info
```

## 常见问题

1. Linux常用工具及命令 <https://blog.csdn.net/sillyxue/article/details/83382909>
2. ICS课程[讲义](#)的第一节里面有详细的配置Linux教程，如果你遇到问题难以解决，可以查看。
3. 忘记自己设置的Ubuntu密码，建议设置为自己常用的密码。

## 编程

<https://www.hostinger.com/tutorials/linux-commands>

<https://ubuntu.com/tutorials/command-line-for-beginners#1-overview>

<https://www.geeksforgeeks.org/compiling-with-g-plus-plus/>

<https://www.gnu.org/software/make/manual/make.html#Introduction>

<https://cs.colby.edu/maxwell/courses/tutorials/maketutor/>

相关教学视频已在文件包 [相关文件](#) 里。