

一、ubuntu20.04系统安装

1、下载ubuntu系统

参考：<http://www.taodudu.cc/news/show-2883749.html>

```
# https://www.ubuntu.com/download/desktop
ubuntu-18.04.6-desktop-amd64.iso
ubuntu-20.04.6-desktop-amd64.iso
```

2、制作U盘

```
# https://rufus.akeo.ie/
```

(1) 打开 Rufus； (2) 插好你的 U盘；



3、系统安装

按esc或delete进入bios, 修改ubuntu启动盘作为启动项。

一路安装：可选择双系统/只安装ubuntu

拔掉U盘，将BIOS启动顺序调回，重启。

4、基础环境安装

3060Ti;

内核版本(arch命令): x86_64

4-1、驱动安装

```
gc@gc:~$ sudo uname -m
[sudo] gc 的密码:
x86_64
```

| | |
|-------|-----------------------|
| 版本: | 525.116.04 |
| 发布日期: | 2023.5.9 |
| 操作系统: | Linux 64-bit [x86_64] |
| 语言: | Chinese (Simplified) |
| 文件大小: | 394.19 MB |

```
下载 NVIDIA-Linux-x86_64-525.116.04.run
# 禁用nouveau , lsmod | grep nouveau查看是否禁用
sudo gedit /etc/modprobe.d/blacklist.conf 末尾添加
blacklist nouveau
options nouveau modeset=0

# 执行命令 sudo update-initramfs -u
# 重启电脑: reboot

# 安装gcc, make: sudo apt install gcc/make
sudo chmod 777 NVIDIA-Linux-x86_64-525.116.04.run
sudo ./NVIDIA-Linux-x86_64-525.116.04.run
```

4-2、cuda安装; cudnn安装（未完成，因docker开发，暂时不安装）

cuda安装 cudnn安装

下载12.0.1 <https://developer.nvidia.cn/cuda-toolkit-archive>

wget

https://developer.download.nvidia.com/compute/cuda/12.0.1/local_installers/cuda_12.0.1_525.85.12_linux.run

sudo ./cuda_12.0.1_525.85.12_linux.run # 按空格去掉安装显卡驱动选项

Please make sure that

- PATH includes /usr/local/cuda-12.0/bin
- LD_LIBRARY_PATH includes /usr/local/cuda-12.0/lib64, or, add /usr/local/cuda-12.0/lib64 to /etc/ld.so.conf and run ldconfig as root

<https://developer.nvidia.cn/rdp/cudnn-download> 未登录成功网络问题

4-3、docker安装 , nvidia-docker安装

3、docker安装 nvidia-docker安装

参考 <https://docs.docker.com/engine/install/ubuntu/#prerequisites>

https://blog.csdn.net/qq_31635851/article/details/127645999

nvidia-docker 安装参考

https://blog.csdn.net/weixin_44633882/article/details/115362059

4-4、常用工具安装:

安装百度网盘, todesk

百度网盘 sudo dpkg -i **.deb

todesk <https://www.todesk.com/linux.html>

Ubuntu20.04安装ssh并开启远程访问登录

https://blog.csdn.net/weixin_43085712/article/details/128562116

shell工具: final shell

<http://www.hostbuf.com/t/1059.html>

安装vscode

<https://code.visualstudio.com/>

https://blog.csdn.net/weixin_48661404/article/details/127308771

su 失败解决方法

https://blog.csdn.net/weixin_41480156/article/details/113528690

anaconda安装:

主机安装anaconda: 参考 <https://zhuanlan.zhihu.com/p/600780684> 在root权限下