deb文件格式安装

命令	说明
dpkg	安装和卸载deb安装包

选项	说明
-i	离线安装deb安装包
-r	卸载软件

```
1  Google浏览器安装:
2
3  $ wget https://dl.google.com/linux/direct/google-chrome-
   stable_current_amd64.deb
4  $ sudo dpkg -i google-chrome-stable_current_amd64.deb
5
6  卸载:
7  $ sudo dpkg -r google-chrome-stable
```

Ubuntu系统不推荐使用deb软件包，因为要解决软件包依赖问题，安装过程就会比较麻烦。

```
hioier@pc:~$ sudo dpkg -i google-chrome-stable_current_amd64.deb
[sudo] password for hioier:
Selecting previously unselected package google-chrome-stable.
(Reading database ... 164487 files and directories currently installed.)
Preparing to unpack google-chrome-stable_current_amd64.deb ...
Unpacking google-chrome-stable (108.0.5359.98-1) ...
Setting up google-chrome-stable (108.0.5359.98-1) ...
update-alternatives: using /usr/bin/google-chrome-stable to provide /usr/bin/x
www-browser (x-www-browser) in auto mode
update-alternatives: using /usr/bin/google-chrome-stable to provide /usr/bin/g
ome-www-browser (gnome-www-browser) in auto mode
update-alternatives: using /usr/bin/google-chrome-stable to provide /usr/bin/g
ogle-chrome (google-chrome) in auto mode
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for desktop-file-utils (0.24-1ubuntu3) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
```

apt安装

更改镜像源

因为使用 apt命令默认是从国外的服务器下载安装软件的，会导致下载安装速度很慢，所以需要更改成国内的镜像源服务器。

Ubuntu 的软件源配置文件是 `/etc/apt/sources.list`。将系统自带的该文件做个备份，再进行更改。

Ubuntu20.04 LTS

```
1   # 默认注释了源码镜像以提高 apt update 速度，如有需要可自行取消注释
2   deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal main restricted
    universe multiverse
3   # deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal main restricted
    universe multiverse
4   deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-updates main
    restricted universe multiverse
5   # deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-updates main
    restricted universe multiverse
6   deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-backports main
    restricted universe multiverse
7   # deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-backports main
    restricted universe multiverse
8   deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-security main
    restricted universe multiverse
9   # deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-security main
    restricted universe multiverse
10
11  # 预发布软件源，不建议启用
12  # deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-proposed main
    restricted universe multiverse
13  # deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ focal-proposed main
    restricted universe multiverse
```

命令替换

```
1   sudo sed -i
    "s@http://.*archive.ubuntu.com@https://mirrors.tuna.tsinghua.edu.cn@g"
    /etc/apt/sources.list
2   sudo sed -i
    "s@http://.*security.ubuntu.com@https://mirrors.tuna.tsinghua.edu.cn@g"
    /etc/apt/sources.list
```

更改完毕执行：`sudo apt-get update`

更新新的源的最新软件

```
1   $ sudo apt install 软件包
2   $ sudo apt remove 软件包
```

源码安装tree

```
1  wget http://mama.indstate.edu/users/ice/tree/src/tree-1.7.0.tgz
2  tar zxvf tree-1.7.0.tgz
3  cd tree-1.7.0
4  make
5  sudo make install
```