

---

# **linux\_note Documentation**

***1.0***

**chanmo**

**7 14, 2017**



---

---

<b>1</b>		<b>1</b>
<b>2</b>		<b>3</b>
<b>3</b>	<b>python</b>	<b>5</b>
3.1	django . . . . .	5
3.2	pypi . . . . .	5
3.3	. . . . .	6
<b>4</b>	<b>nodejs</b>	<b>7</b>
<b>5</b>	<b>CAD</b>	<b>9</b>
<b>6</b>		<b>11</b>
6.1	ssh . . . . .	11
6.2	git . . . . .	11
6.3	pandoc . . . . .	12
6.4	sphinx . . . . .	12
6.5	. . . . .	12
<b>7</b>	<b>Arch Linux</b>	<b>13</b>
7.1	U . . . . .	13
7.2	. . . . .	14
<b>8</b>	<b>Apache</b>	<b>17</b>
8.1	. . . . .	17
8.2	HTTPS . . . . .	17
<b>9</b>	<b>Opencv</b>	<b>19</b>
9.1	. . . . .	19
9.2	. . . . .	19



# CHAPTER 1

---

---

- `sudo apt-get install git`



## CHAPTER 2

---

- `sudo apt-get install vim`
- `git clone https://github.com/amix/vimrc.git ~/.vim_runtime`
- `sh ~/.vim_runtime/install_awesome_vimrc.sh`
- `sudo apt-get install emacs24`
- `git clone https://github.com/purcell/emacs.d.git ~/.emacs.d`





---

python

---

python

### django

- django-flat-theme
- django-ckeditor
- django-admin-sortable2
- django-mptt
- sorl-thumbnail
- django-import-export
- django-banner
- django-wechat-base
- django-wechat-member

### pypi

:

```
python setup.py register
python setup.py sdist bdist_wheel upload
```

:

```
sudo apt-get install python-virtualenv
sudo apt-get install pip
sudo apt-get install django django-flat-theme xmltodict
```

## CHAPTER 4

---

nodejs

---

- `sudo npm install gulp --global`
- `git clone https://github.com/ChanMo/mygulp.git`



## CHAPTER 5

---

### CAD

---

- `sudo apt-get install openscad`



## CHAPTER 6

---

### ssh

:

```
ssh-keygen -t rsa
ssh-copy-id yourserver
ssh -T yourserver
```

### git

:

```
mkdir project.git
cd project.git
git init --bare
```

:

```
mkdir project
cd project
git init
git add -A
git commit -m "init"
git remote add origin ssh://user@server:port/path/to/project.git
git push origin master
```

gh-pages:

```
git checkout --orphan gh-pages
git rm -rf .
...
git push origin gh-pages
```

[http\(s\)://<username>.github.io/<projectname>](http(s)://<username>.github.io/<projectname>)

## pandoc

:

```
sudo apt-get install pandoc texlive texlive-xetex texlive-latex-extra rmodern
pandoc test.md --toc --smart --latex-engine=xelatex --template=yourtemplate.tex -o_
↪test.pdf
```

## sphinx

:

```
sudo pip install sphinx sphinx-autobuild
sudo pip install sphinx_rtd_theme
sphinx-quickstart
make html
sphinx-autobuild . _build_html
```

- `scrot scrot -s`
- `scp`
- `youtube youtube-dl`
- `xclip`



## CHAPTER 7

---

### Arch Linux

---

#### U

:

```
lsblk
parted
(parted) mklabel gpt
(parted) mkpart ESP fat32 1MiB 513MiB
(parted) set 1 boot on
(parted) mkpart primary ext4 513MiB 100%
```

:

```
mount /dev/sdxy /mnt
mkdir -p /mnt/boot
mount /dev/sdxz /mnt/boot
```

:

```
mkfs.fat -F32 /dev/sdxy
mkfs.ext4 /dev/sdxy
mkswap /dev/sdxy
swapon /dev/sdxy
```

:

```
vi /etc/pacman.d/mirrorlist
pacstrap -i /mnt base base-devel
```

:

```
genfstab -U /mnt >> /mnt/etc/fstab
```

archlinux:

```
arch-chroot /mnt /bin/bash
```

:

```
locale-gen  
vi /etc/locale.gen  
tzselect
```

### Boot Loader:

```
bootctl install
```

:

```
vi /etc/hostname
```

:

```
passwd
```

:

```
umount -R /mnt  
reboot
```

/:

```
groupadd chen  
useradd -m -g chen chen  
passwd chen  
vim /etc/sudoers
```

:

```
pacman -S xorg-xinit  
pacman -S xfce4
```

:

```
pacman -S ttf-bitstream-vera  
pacman -S adobe-source-code-pro-fonts  
pacman -S wqy-zenhei
```

:

```
pacman -S fcitx  
pacman -S fcitx-sunpinyin  
pacman -S fcitx-gtk2  
pacman -S fcitx-configtool
```

### VPN:

```
pacman -S pptpclient
```

windows:

```
sudo pacman -S rdesktop  
rdesktop -g 1440x900 -P -z -x 1 -r sound:off 192.168.1.1
```

Samba:

```
sudo pacman -S samba  
cd /etc/samba/  
sudo cp smb.conf.default smb.conf  
  
vim smb.conf
```



## CHAPTER 8

---

### Apache

---

Archlinux:

```
sudo pacman -S apache2
```

Ubuntu:

```
sudo apt-get install apache2
```

## HTTPS

:

```
vim site.conf

<VirtualHost *:443>
    SSLEngine on
    SSLCertificateFile /path/to/crt
    SSLCertificateKeyFile /path/to/key
    ServerName site.com
    ...
</VirtualHost>
```



## CHAPTER 9

---

### OpenCV

---

Arch Linux:

```
sudo pacman -S opencv  
sudo pacman -S python-numpy
```

github: <https://github.com/opencv/opencv>

document: <http://docs.opencv.org/master/>

github