

Linux

General

Shell

- create new file
`touch <filename>`
- create a range of files
 - example:
`touch myfiles{1..10}.txt`
- **grep** one of the most practical linux commands for filtering:
 - example:
`ls | grep <wanted-folder>`
you have very very practical flag **-v** that **exclude** files.
- how to see current user in cli
`whoami`
- recommended to don't install snap on linux!
- just try download the file from the internet.
- how to see the hostname
`hostname`
- how to see the hostname ip in LAN
`hostname -I`
first ip is your ipv4 in LAN
- how to see the current port usage:
`sudo lsof -i -P -n | grep LISTEN`
- add **alias** permanently in one command
`echo "alias aliasname='aliascommand'" >> ~/.bashrc && source ~/.bashrc`
`echo "alias aliasname='aliascommand'" >> ~/.zshrc && source ~/.zshrc`
- see the disk usage of folders and files:
`df -h <your-path>`
 - example:
`df -h /`

– or

```
sudo du -h --max-depth=1
```

- see the partitions

```
lsblk
```

- go to your flash removable

```
cd /run/<username>/<medianame>
```

- find in file contents

```
grep -rnw yourpath -e "yourregex"
```

- go to terminal before login to linux shortcut:

– ctrl + alt + f2

– for back to graphical:

* ctrl + alt + f1 (centos worked)

* ctrl + alt + f7 (mint worked)

- how to run .jar file

```
java -jar yourjarfile.jar
```

- network manager setting from terminal with ui

```
nmtui
```

- remove a file recursively

```
find . -name "FILENAMEWILDCARD" -delete
```

Snap

- installing

```
sudo snap install <your-package>
```

- removing

```
sudo snap remove <your-package>
```

Security

File Encryption

GPG (GNUPG)

- generate keys

```
gpg --gen-key
```

- see your keys

- ```
gpg --list-secret-keys
```
- export your keys
 

```
gpg --export-secret-keys [key-id | email] > private_key.asc
```
- import your keys
 

```
gpg --import private_key.asc
```
- delete a key
 

```
gpg --delete-key [KeyID]
gpg --delete-secret-key [KeyID]
```
- symmetric encryption with just passphrase! (*very practical*)
 

```
gpg -c --no-symkey-cache <filename>
```
- assymetric encryption with pair key
 

```
gpg -e -r <key-email> <filename>
```
- now decrypt symmetric
 

```
gpg -d <filename>.gpg > <filename>
```

## GUI's

### Cinammon

- file manager: nemo

### Xfce

- file manager: thunar
- disk usage analyzer: baobab
- pdf reader: xreader
- text editor: xed

### Gnome

- file manager: nautilus
- disk usage analyzer: baobab
- pdf reader: xdg-open
- text editor: gedit

## Distros

### Debian

- install .deb package
 

```
sudo dpkg -i <packagepath>
```

- remove .deb package  
`sudo dpkg -r <packagepath>`

### Mint

- install .deb package  
`sudo dpkg -i <packagepath>`
- remove .deb package  
`sudo dpkg -r <packagepath>`
- for becoming root user  
`sudo su`

### Centos

- if the root disk usage become 100% your operating system does not boot completely!!!
  - you probably go to your virtual terminal with `ctrl+alt+f2` shortcut to remove some of your data for booting completely!

## Apps and Packages

### ncat

- a package for general-purpose command-line tool for reading, writing, redirecting and encrypting data across a network.

### Firefox

- open app  
`firefox`

### Google Chrome

- open app  
`google-chrome`