

some necessary packages after basic installation of Archlinux

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installation guide: [Office install guide of archlinux.](#)

Some things about boot loader¹

- if grub can't detect windows in the hard disk, you can install os-prober and execute grub-mkconfig again. If that didn't work, you can edit `/etc/grub.d/40_custom` to set manually, the tutor is: [archwiki:GRUB](#)
- some computers can load grub, but can't boot into grub directly, this is different with series name of computers, there will be a short cut for change boot loader.
- If your computer use ssd which have volume less than 128GB, Linux Live may not detect your ssd, so you need to change the "SATA Controller Mode" to AHCI, but windows may not able to boot, so you need to adjust bios before changing os after installed.
- some computers (most are lenovo), can only boot from the bootloader of windows, so you need to copy `grubx64.efi` to the file which the motherboard boot with (usually `/boot/EFI/Microsoft/Boot/bootmgfw.efi`), and rename the origin file to another name first. then copy the file grub needed to the directory `/boot/EFI/Microsoft/Boot/` (the same relative location to `grubx64.efi` with origin).

some necessary (maybe) packages after basic installation of Archlinux

1. `gnome`
2. `vim`
3. `sudo`

¹I meant grub XD

4. zsh²
5. mlocate³
6. gnome-tweak-tool
7. firefox/chromium
8. wireless
 - (a) enable NetworkManager⁴
 - (b) bluez-utils⁵
 - (c) dnsmasq⁶
 - (d) wpa_supplicant⁷
9. fcitx
 - (a) gnome-shell-extension-topicons-plus-git⁸
 - (b) config the xim variables

```

/etc/profile
export XMODIFIERS="@im=fcitx"
export XIM=fcitx
export XIM_PROGRAM=fcitx
export GTK_IM_MODULE=fcitx
export QT_IM_MODULE=fcitx
          
```

10. mplayer
11. gimp, imagemagick, inkscape⁹
12. openssh¹⁰
13. libreoffice / wps-office / texlive-most¹¹
14. yaourt / pacaur¹²
15. some times some processes blocked and make halt slowly, change the DefaultTimeoutStart(Stop)Sec in /etc/systemd/system.conf

²there is a “command not found” hook, it will notice you which package you need to install when the command you type not found. It rely on pkgfile, you need to add *source/usr/share/doc/pkgfile/command-not-found.zsh* in your \$HOME/.zshrc file and then source it or wait for reboot

³to find file with the database of index

⁴systemd

⁵bluetooth

⁶hotspot

⁷wifi

⁸to show fcitx in the newest version of gnome-shell

⁹for dealing with graphics, and imagemagick based on commandline, inkscape is used for vector

¹⁰for remote login

¹¹for document editing

¹²to install packages in AUR