# Install Linux Mint on macbook Pro

**A set of tips for installation and post install**

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# 1 Introduction

## 1.1 Install Mint onto a macbook pro

The target machine is a 2016 13-inch MacBook with four Thunderbolt 3 Ports.

Get an iso file from the Mint website. The Linux Mint 21.1 Vera download site is here.

The ISO file is 2.5 GB in size. The download torrent file is here

Use an app on macbook pro running macos, we suggest `Transmission`, to open torrent file and download "iso". Takes about 6 minutes via ethernet connection.

Transfer ("burn") iso file to USB drive. On Macos we suggest using `balanaEtcher`. Download `balanaEtcher` here

Insert the USB flash drive into the target mac and reboot. Hold the ALT key to allow booting from the external USB drive.

From the `Grub` menu choose "Start Linux Mint 21.1 Cinnamon 64-bit"

A `linux mint` desktop will appear. There is one icon on the screen lfbeled "install Linux Mint". Double click it.

A setup dialog will start.

- First Language,
- then Network,
- then codexes,
- then options for a fresh install or "something else".
- next Location,
- then name a root user and assign a password.

Thats it. Reboot and login.

Use Panda Wireless modem for internet access. Mint 21.1 has `Ralink RT5372` drivers installed.

Add second monitor. Cinema display 27".

Open Display menu. Select 2560x1440 for resolution for both monitors. Monitor scale 150%.

Turn on Timeshift to provide hourly snapshots

Set keyboard and trackpad preferences:

- Open "Mouse and Touchpad". Turn on "Tap to click" and "Reverse scroll".
- Open "Keyboard" > "Layouts" > "Options" > "Caps Lock behavior" and select "Swap Esc and Caps-Lock"

Update base software.

```
sudo apt-get update ; sudo apt-get upgrade
```

## 2 Next steps...

Basics install utilities `git`, `wget`, `curl`, `zsh`

```
sudo apt update
sudo apt install zsh wget curl git -y
```

Install `oh-my-zsh`

```
sh -c "$(curl -fsSL https://raw.github.com/ohmyzsh/ohmyzsh/master/tools/install.sh)"
```

Install `Dropbox` and `Texlive-full`. The easiest way to install `Dropbox` and `Tex` is with the Mint software manager.

Install qutebrowser.

```
sudo apt install qutebrowser
```

Install zotero. Easiest method IMO is to use the Debian package

```
sh -c "$(curl -fsSL https://raw.githubusercontent.com/retorquere/zotero-deb/master/install
sudo apt update
sudo apt install zotero
```

## 3 Install Ubuntu on Parallels

- step one set up parallels tools. Use "Actions" menu to select "install parallels tools. This will point CD/DVD device at the iso image. Open the DVD in"Files". Open install parallel tool-gui.
- macbook harddrive will be available under share
- Firefox is installed. Add vinium-ff extension.

Idea: Could I use Docker?

This seems like genius:

```
alias nvim="docker run -it -v `pwd`:/mnt/volume --workdir=/mnt/volume anatolelucet/neovim:
alias nvim="docker run -it -v `pwd`:/mnt/volume --workdir=/mnt/volume anatolelucet/neovim:
```

### 3.1 Script to set up links from local Home to Dropbox

```
#!/bin/sh
declare -a ff=(
".zshrc"
".vimrc"
".local"
".vim"
".config"
)

## now loop through the above array
for i in "${ff[@]}"
do
   echo "$i"
   # or do whatever with individual element of the array
done
for P in "${ff[@]}"
do
    ## skip existing links
    if [ -h "$HOME/$P" ]; then
        echo " ";
        echo $P;
        echo "exists in Home";
    fi
    # move existing dir out of the way
    if [ -e "$HOME/$P" ]; then
    if [ -e "$HOME/$P.bak" ]; then
        echo "want to override $HOME/$P but backup exists"
        continue;
    fi
#
    echo "Create a Backup .bak file "
    mv -v "$HOME/$P" "$HOME/$P.bak"
    fi
#
    echo "create  a link for Dropbox/dotfiles version of"
        echo $P;
        echo "in Home";
```

```
    ln -v -s "$HOME/Dropbox/dotfiles/$P" "$HOME/$P"
done
if [ ! -d $HOME/sbx ]
    then
        echo "sandbox does not exist. Create link"
        ln -v -s $HOME/Dropbox/sandbox/ $HOME/sandbox;
fi
if [ ! -d $HOME/bin ]
    then
        echo "bin does not exist. Create link"
        ln -v -s $HOME/Dropbox/bin/ $HOME/bin;
fi
if [ ! -d $HOME/docs ]
    then
        echo "docs does not exist. Create link"
        ln -v -s $HOME/Dropbox/docs/ $HOME/docs;
fi
if [ ! -d $HOME/prj ]
    then
        echo "prj does not exist. Create link"
        ln -v -s $HOME/Dropbox/prj/ $HOME/prj;
fi
if [ ! -d $HOME/work ]
    then
        echo "work does not exist. Create link"
        ln -v -s $HOME/Dropbox/work/ $HOME/work;
fi
if [ ! -d $HOME/shr ]
    then
        echo "shr does not exist. Create link"
        ln -v -s $HOME/Dropbox/shr/ $HOME/shr;
fi

declare -a dd=(
"sbx"
"bin"
"docs"
"prj"
"work"
"shr"
```

```
)

## now loop through the above array
for i in "${dd[@]}"
do
   echo "$i"
   # or do whatever with individual element of the array
done
for P in "${dd[@]}"
do
    ## skip existing links
    if [ -h "$HOME/$P" ]; then
        echo " ";
        echo $P;
        echo "exists in Home";
    fi
    # move existing dir out of the way
    if [ -e "$HOME/$P" ]; then
    if [ -e "$HOME/$P.bak" ]; then
        echo "want to override $HOME/$P but backup exists"
        continue;
    fi
#
    echo "Create a Backup .bak file "
    mv -v "$HOME/$P" "$HOME/$P.bak"
    fi
#
    echo "create  a link for Dropbox/dotfiles version of"
        echo $P;
        echo "in Home";
    ln -v -s "$HOME/Dropbox/$P" "$HOME/$P"
done
```

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