

# Set up a Mac like a **pro**

Fede

- Setting up a Mac every time there is an update or keeping your presences sync over different Macs can be a real pain.
- You can use tools to help you ease this process.
- You need three things:
  - home-brew
  - home-brew cask
  - mackup

- Home-brew is a package installer. It automatically manage your binaries keeping them updated and linked.
- To start you will need to run a script like this one:

```
# Check for Homebrew,
# Install if we don't have it
if test ! $(which brew); then
  echo "Installing homebrew..."
  ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
fi

# Update homebrew recipes
brew update
```

- Update your \$PATH order in .profile

```
$PATH=$(brew --prefix coreutils)/libexec/gnubin:$PATH
```

- Make a list of all the binaries you use, this is mine:

```
autoconf  fftw      glib      libid3tag mackup      pcre      unrar
automake  flac      gsl       libmpdclient mad         pkg-config vim
boost    fluid-synth icu4c     libogg      md5sha1sumpython wget
brew-cask fontconfig lame    libpng      mp4v2      qt          x264
cmake    freetype  libao     libsamplerate mpd         readline xrootd
cuetools gdbm      libcue     libtool     mplayer    shntool
faad2    gettext  libevent  libvo-aacenc ncmpcpp    sqlite    xz
ffmpeg   git       libffi     libvorbis  openssl    taglib
```

- Be careful with ROOT, I need a lot of extra packages (TMVA, RooFit) so I did not manage to install ROOT using home-brew, some people did (see Alex Pearce blog).

- Home-brew cask extends the ability of home-brew to apps, you want to run

```
brew install caskroom/cask/brew-cask
```

- And then

```
brew cask search /firefox/
```

- I do not use this with everything (e.g. my Spotify is a downgraded version from 2009 and it would be complicated to tell cask not to update that specific app)

- So then my list in this case is a bit smaller

```
cog          flux          geany          spectacle      sublime-text3  
deluge      font-inconsolata  osxfuse        sshfs
```

- But you can make your own.
  - As a plus I also install fonts with brew simply doing
- ```
brew tap caskroom/fonts
```
- It works like a charme.

- Mackup is the simplest way to backup your Mac preferences.
- It requires you to run some sort of cloud service. Since I use CernBOX (See Sally's talk next CC) for work I decided to run Mackup on my iCloud (which I never use but is always on on a Mac)

- I do:

```
brew instal mackup
```

- And then change the ~/.mackup.cfg file to look like:

```
1 [storage]
2 engine = icloud
```

- This allows me to run

```
mackup backup
```

- Or

```
mackup restore
```

- Every time I want.

**DO NOT EVER INSTALL  
osx-for-hackers.sh**