

INSTALLING TEXLIVE (TUG) ON A MACINTOSH

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ABSTRACT. This instruction describes how to install TeXLive (TUG) on a Macintosh using its default installation. As a source we use the compressed TeXLive iso image or the folder texlive in TeXLive's DVD.

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1. INSTALLATION OF TEXLIVE

Installing TeXLive (TUG)¹ with the help of „Local Switcher“ happens in two steps:

- (1) Installation of TeXLive
- (2) Configuration of TeXLive

The following prerequisites are necessary.

- 1** If you don't own the TeXLive DVD of the year you want to install, download the compressed TeXLive iso image from CTAN. Either google for it or have a look at **TeX Switcher**, where a download link for the newest iso image should be provided.

Unzip the the download and mount it, or mount the DVD.

- 2** Check if the folder
`~/Library/texmf`
exists, if not, create one. It can be empty.
- 3** Place the folder „Flashmode“, part of $\text{T}_{\text{E}}\text{X}$ Helpers, in
`~/Library`

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¹This instruction is only valid for the TeXLive distribution for 2006 or a later year.

Then select in Local Switcher the item „install texlive 2006 or later“ from the menu „Install TeXLive“. An „open folder dialogue“ will appear, and you should select either

- the mounted iso image, or
- the folder texlive inside the mounted DVD.

Before the „open folder dialogue“ appears the install script sets a symlink to

`~/Library/texmf`

in your home directory, also named „texmf“.

The full version of TeXLive will then be installed in

`/usr/local/texlive/year`

lasting about 10 minutes depending on your machine. When the installation is finished you will be notified.

2. THE CONFIGURATION PHASE

1 First, set the symlink „texprograms“ in your home directory by pushing the button „Enter Year“ in *Local Switcher*, entering the corresponding number for the year, e.g., „2006“.

2 Secondly, push the button „texconfig paper + fmtutil-sys“ to run `texconfig texconfig-sys paper a4 (or letter)`

and to create or recreate all format files system wide. You will be asked for your administrator password.

3 To run tex through a frontend like TeXShop you must enter the tex path `/Users/yourName/texprograms`

in the appropriate place in TeXShop's preferences (look under Engine), where „yourName“ is the short form of your user name, and, if you use shell scripts, e.g., indirectly by using some of my Applescripts, their paths have to be changed, too, to something like

```
set path= ( $home/texprograms /usr/local/bin /usr/bin /bin /sbin /usr/sbin )
```

The shell scripts in „Flashmode/bin“ have already this path.

3. SETTING THE PATH FOR THE T_EX MAN PAGES

Setting the symlink „texprograms“ with the help of Local Switcher automatically sets a symlink for the correct T_EX man pages which can be used in conjunction with the application „ManOpen“, see the instructions for Local Switcher.

4. FUTURE UPGRADES AND SWITCHING \TeX INSTALLATIONS

The TeXLive installation will be upgraded every year, i.e., a new TeXLive appears. You can use the same procedure as above to install it.

A new path setting in TeXShop or in the shell scripts is no longer necessary.

You can switch the \TeX sources by using Local Switcher, read its instructions, if necessary.

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