

## Missing Applications; March, 2020

### Catalina and Notarization

In Apple's latest system Catalina, install packages must be notarized. Notarized packages are sent to Apple for confirmation that they contain no viruses. They are signed by a developer known to Apple, and during installation the system software checks that the package has not been altered since it was notarized.

All applications and command line programs in a notarized package must be signed by an Apple developer, timestamped, and adopt a hardened runtime.

### Applications in MacTeX

MacTeX installs 159 command line programs from T<sub>E</sub>X Live. All of them have been signed and timestamped, and all adopt a hardened runtime.

MacTeX usually installs four GUI applications and one optional install package. These are TeXShop, TeX Live Utility, LaTeXiT, BibDesk, and cocoAspell. TeXShop and LaTeXiT meet the three conditions listed above. The remaining items have not been updated to meet these conditions, so it is impossible to include them in MacTeX. Below are addresses of their web sites, where further information is available and from which the applications can be downloaded.

### Links

- TeX Live Utility <https://amaxwell.github.io/tlutility/>
- BibDesk <https://bibdesk.sourceforge.io>
- cocoAspell <http://people.ict.usc.edu/~leuski/cocoaspell/>