TeX Collection 2013 DVD

TeX Collection editors

The TeX Collection is the name for the overall collection of software distributed by the TeX user groups each year. Please consider joining TUG or the user group best for you (`http://tug.org/usergroups.html`), or making a donation (`https://www.tug.org/donate.html`), to support the effort.

All of these projects are done entirely by volunteers. If you'd like to help with development, testing, documentation, etc., please visit the project pages for more information on how to contribute.

Thanks to everyone involved.

1 proTEXt (`http://tug.org/protext`)

proTEXt is a TeX system for Windows, based on MiKTeX (`http://miktex.org`) and TeXStudio (formerly known as TeXMakerX) (`http://texstudio.sf.net`) as corresponding editor.

For 2013, proTEXt now has a standard application program (`Setup.exe`) which is accompanied by a detailed document to guide your installation (and which, due to the simplicity of the installation process, you'll probably never need).

proTEXt currently has English, German and French as possible installation languages. Volunteers to make additional translations are most welcome.

2 MacTEX (`http://tug.org/mactex`)

MacTEX is a TeX system for Mac OS X, installing TeX Live and additional Mac-specific tools. MacTEX 2013 runs on both Intel and PowerPC machines and requires at least Mac OS X 10.5 (Leopard). It runs on Mac OS X Leopard, Snow Leopard, Lion, and Mountain Lion. The package installs the full TeX Live 2013, Ghostscript 9.07, the `convert` utility from ImageMagick 6.8.3-3, and the current versions of BibDesk, LaTeXiT, TeX Live Utility, TeXShop, and TEXworks, as well as the TeX Dist Preference Pane, which allows users to switch easily between different TeX distributions. After installation, `PATH` is correctly set for shells, and all applications are configured and ready to run.

The MacTEX 2013 install package as obtained over the Internet works exactly as it has in the past, but the DVD installation has been changed to be more robust and provide more feedback. First, users open Terminal (from `/Applications/Utilities`) and copy two lines of text to this program from a short *MacTEX Install Part 1* document. This step installs a complete TeX Live from the DVD without asking any questions. Second, users run a program which installs everything else and configures the sys-

tem. The third part is only required of users running the older Leopard or Snow Leopard, and adds a GUI front end which runs on these systems.

The Collection also includes MacTEXtras (`http://tug.org/mactex/mactextras.html`), containing many additional items that can be separately installed. On the 2013 DVD, software that runs exclusively on Tiger (Mac OS X 10.4) has been removed, along with software that is installed by the MacTEX DVD installer. The main categories are: bibliography programs; alternative editors, typesetters, and previewers; equation editors; DVI and PDF previewers; and spell checkers.

3 TeX Live (`http://tug.org/texlive`)

TeX Live is a comprehensive cross-platform TeX system. It includes support for most Unix-like systems, including GNU/Linux and Mac OS X, and for Windows. Major user-visible changes in 2013:

- The `texmf` tree merged into `texmf-dist`; language collections merged.
- XƎTEX: see following article by Khaled Hosny.
- LuaTEX: updated to Lua 5.2; new library to process external PDF page content.
- MetaPost: native support for PNG output and floating-point (IEEE double) added.
- `xdvi`: now uses FreeType instead of `t1lib` for rendering.
- `tlmgr`: new `pinning` action to ease configuration of multiple repositories.
- Platforms: added or revived `armhf-linux`, `mips-irix`, `amd64-netbsd`, `i386-netbsd`; removed `powerpc-aix`. Also, some platforms are now omitted from the DVD (to save space), but can be installed normally over the net.

More details are available in the TeX Live manual and web pages.

4 CTAN (`http://www.ctan.org`)

CTAN is the Comprehensive TeX Archive Network, a set of servers worldwide making TeX software publicly available.

As usual, the CTAN snapshot was made from the German node (`http://dante.ctan.org`) and omits the other components of the Collection. It is available to TUG members (and joint members) from the TUG members area, `https://www.tug.org/members`.

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  `http://tug.org/texcollection`