

How to install TeX Live on Linux

Slackware installs [TeX Live](#) by default. However, extra packages and documentation require root permissions to install. This HOWTO explains how to install TeX Live as a non-root user.

```
# download the installer
cd /tmp
wget https://mirror.ctan.org/systems/texlive/tlnet/install-tl-unx.tar.gz

# uncompress it
tar xvf install-tl-unx.tar.gz

# install it
(
cd install-tl-[0-9]*
version=$(sed '/version [0-9]!/d; s/.*version //' release-texlive.txt)
./install-tl \
  --no-interaction \
  --texdir=$HOME/usr/local/opt/texlive/$version \
  --texmflocal=$HOME/usr/local/opt/texlive/texmf-local \
  --texmfhome=$HOME/usr/local/share/texmf \
  --scheme=basic \
  --paper=letter

# create a symlink for paths
cd ~/usr/local/opt/texlive
ln -s $version current
)

# delete the installer
rm -rf install-tl-*

# add paths to TeX Live
cat <<'EOT'>> ~/.bash_profile

# TeX Live
export PATH="$HOME/usr/local/opt/texlive/current/bin/x86_64-linux:$PATH"
export MANPATH="$HOME/usr/local/opt/texlive/current/texmf-
dist/doc/man:$MANPATH"
export INFOPATH="$HOME/usr/local/opt/texlive/current/texmf-
dist/doc/info:$INFOPATH"
EOT

# read them into the current session
. ~/.bash_profile
```

Use [tlmgr](#) (already installed with TeX Live) to install new packages.

You can use [Kile](#) (already installed by Slackware) to edit and compile LaTeX files. If you like Vim or

Neovim, [VimTeX](#) is a great plugin.

For reference management, [JabRef](#) is good for [BibTeX](#). I can install it for you.

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