Document Processing Flow Using Pandoc and TeX

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# Setup the workflow on Mac OS X

*Firstly*, please install [pandoc](http://johnmacfarlane.net/pandoc/) package from [Homebrew](http://brew.sh). If you haven't installed brew on your Mac, please give it a try.

$ brew install pandoc

Standalone pandoc package is available on <https://github.com/jgm/pandoc/releases>.

*Secondaly*, install [MacTeX](https://www.tug.org/mactex/) via [Homebrew Cask](http://caskroom.io). Yes, cask is highly recommended for Mac users too. Please be patient as it takes time to download the 2.3GB installation file.

$ brew cask install mactex

Don't forget to add texbin into $PATH:

$ echo 'export PATH=$PATH:/usr/texbin' >> ~/.bash\_profile

Standalone MacTeX package is available on <https://www.tug.org/mactex/>.

*After that*, install the necessary fonts by double click the font files. Font files "TeX Gyre Termes" can be retrieved from <http://www.gust.org.pl/projects/e-foundry/tex-gyre/termes>. Please make sure you have authorized files for the Adobe Chinese fonts: AdobStongStd, AdobHeitiStd, AdobeFangsongStdand AdobKaitiStd.

*Finally*, install zhfonts module for the ConTeXt engine.

$ cd ~/Library/  
$ mkdir -p texmf/tex/context/third  
$ cd !$  
$ git clone https://github.com/liyanrui/zhfonts.git  
$ luatools --generate  
$ mtxrun --script fonts --reload  
$ mtxrun --script fonts --list --pattern=\\* --all

Now you should be able to build the HPC sample documents.

# Setup the workflow on GNU/Linux

# Setup the workflow on Windows

At the very beginnning, Windows users are required to install [Cygwin](https://cygwin.com/) to make the Linux tools take effect. Pleas check the following tools during installation:

* Base:sed
* Devel: make
* Base: openssl
* Net: openssl
* Devel: git, git-completion.

*Firstly*, install [pandoc](http://johnmacfarlane.net/pandoc) from its binary release on <https://github.com/jgm/pandoc/releases>.

*Secondly*, install [TeXLive](https://www.tug.org/texlive/) 2014 by running install-tl-windows.bat in the ISO image.

Don't forget to add the executable to PATH

Then install extra fonts required by the HPC template.

*After that*, install zhfonts for the context engine.

# Reference

* "gist: Configure ConTeXt environment after installing TeX" <https://gist.github.com/weijianwen/4a3794946982f4cc0b31>
* "TeXLive on Windows" <https://www.tug.org/texlive/windows.html>
* "zhfonts模块的用法" <http://garfileo.is-programmer.com/posts/23740>