Document Processing Flow Using Pandoc and TeX

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Dec 31th, 2014

1 Setup the workflow on Mac OS X

Firstly, please install **pandoc** package from `Homebrew`. 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** via `Homebrew Cask`. 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`, `AdobeFangsongStd`and `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.

2 Setup the workflow on GNU/Linux

3 Setup the workflow on Windows

At the very beginnning, Windows users are required to install **Cygwin** 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.
- Editors: vim, vim-common

After installation, a shortcut of Cygwin will be added on your Desktop.

Firstly, install **pandoc** from its binary release on **https://github.com/jgm/pandoc/releases**.

Secondly, install **TeXLive** 2014 by running `install-tl-windows.bat` in the ISO image. Commands of Tex Live will be automatically added to your PATH.

Then install extra fonts required by the HPC template. Download fonts `AdobStongStd`, `AdobHeitiStd`, `AdobeFangsongStd`and `AdobKaitiStd`, then copy them into YOUR_SYSTEM_PARTITION:\windows\fonts.

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

1. Get zhfonts from its **github page**.

2. Copy the folder zhfonts into `texlive\\2014\\texmf-dist\\tex\\context\\third`.

3. Run `luatools --generate` to make zhfonts take effect, run `mtxrun --script fonts --reload` to reload the fonts.

Open Cygwin and now you should be able to use git and build the HPC sample documents.

4 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**