Installing and using the Minimal under Mac OS X and TeXShop in Ten Steps…

I have a MacBook Pro, Intel Duo Core, running MacOS X 10.5.5. In what follows you will see the steps I followed in order to install the ConTeXt-Minimal for MacOS X, mainained on

http://wiki.contextgarden.net/ConTeXt_Minimals

thanks to Mojca Miklavec and others. I am also indebted to Luigi Scarso who patiently explained me each step, despite the fact that he himself had only an analogous installation on Linux. What I am reporting here is what was working fine on Sunday, October 19th, 2008… Things may change, and I have no control, nor prior informations on that :-) After all, this is also why ConTeXt is so fun, isn't it?

1. I created a folder named `context-minimal`: this can sit anywhere, but in my case I put it in a partition of my hard drive named "OK-10.4". So the full path to that folder is

   `/Volumes/OK-10.4/context-minimal`

2. In a Terminal window I said

   `cd /Volumes/OK-10.4/context-minimal`

3. Then in the same Terminal window I said

   `rsync -ptv rsync://contextgarden.net/minimals/setup/first-setup.sh .`

   Please pay attention to the space and the final ``.'' after `first-setup.sh`… The file

   `first-setup.sh`

   is downloaded into the folder.
4. Then I said in the Terminal window

   `sh first-setup.sh`

   This would take some time (depending on the speed of the Internet connection) and then I obtained two folders (or directories) named

   `bin/`
   `tex/`

   and one more file named `status-of-update.lua`.
5. The folder `tex` contains four folders named

   `texmf/`
   `texmf-context/`
   `texmf-cache/`
   `texmf-osx-intel/`

   and four files named

```
setuptex
setuptex.csh
setuptex.bat
setuptex.tmf
```

The folder `texmf-osx-intel` contains, among other things, a folder named `bin` in which the binaries or executable are located. The file `setuptex` is the file which, upon execution under a shell command, sets the `TEXROOT` variable needed for the binaries invoked by `context`.

6. If I want to typeset the file `basic-test.tex` with my new installation, I have to set up, once per session, the `TEXROOT` variable by saying in my Terminal window:

```
source /Volumes/OK-10.4/context-minimal/tex/setuptex
```

or alternatively

```
. /Volumes/OK-10.4/context-minimal/tex/setuptex
```

Please pay attention to the dot ``.'' and the space after the dot at the beginning of the above line... After that, in the Terminal window (assuming that I am in the folder where the file `basic-test.tex` is present) I just say

```
context basic-test.tex
```

and the file is typeset with `mkiv`.

7. If I want to put some macros, or files used frequently as \input, I may put them in the folder:

```
/Volumes/OK-10.4/context-minimal/tex/texmf-context/tex/context/user
```

8. However, in order to use one's own fonts, macros and other stuff located in the folder (named for instance)

```
/Volumes/OK/Users/kavian/Library/texmf
```

(or in any other directory named for instance `texmf-local`), it is better to create a symbolic link to that directory: while in the directory /Volumes/OK-10.4/context-minimal/tex do this:

```
ln -s /Volumes/OK/Users/kavian/Library/texmf/ texmf-local
```

(or one can give the full path /Volumes/OK-10.4/context-minimal/tex/texmf-local instead of just `texmf-local`). However after this one has to run again `first-setup.sh` as above, or more simply do the following commands

```
source /Volumes/OK-10.4/context-minimal/tex/setuptex
mtxrun --selfupdate
luatools --selfupdate
context --generate
context --make
```

9. Once the minimal was installed on my machine, in order to use it with TeXShop, I created a file named `ConTeXt-Minimal.engine` containing only the lines:

```
#!/bin/bash

source /Volumes/OK-10.4/context-minimal/tex/setuptex
context "$1"
```

(Indeed you can name this file as you wish, provided the suffix is ``.engine'', for instance `mkiv.engine` or anything else). This file is put in the directory

```
~/Library/TeXShop/Engines
```

(as usual ~ stands for the home directory) and must have the execute bit, that is one must say in a Terminal window:

```
cd ~/Library/TeXShop/Engines
chmod 755 ConTeXt-Minimal.engine
```

or else, more quickly

```
chmod 755 ~/Library/TeXShop/Engines/ConTeXt-Minimal.engine
```

10. Now in TeXShop I can add the following line at the beginning of any file I want to typeset with the Minimal:

```
%!TEX TS-program = ConTeXt-Minimal
```

or else I may choose `ConTeXt-Minimal` from the pop-up menu which appears below the window bar of my TeX file.