

## 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, maintained on

[http://wiki.contextgarden.net/ConTeXt\\_Minimals](http://wiki.contextgarden.net/ConTeXt_Minimals)

thanks to Mojca Miklavc 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 `mkiv.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 `ConTeXt-Minimal.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 mkiv.engine
```

or else, more quickly

```
chmod 755 ~/Library/TeXShop/Engines/mkiv.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 = mkiv
```

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