

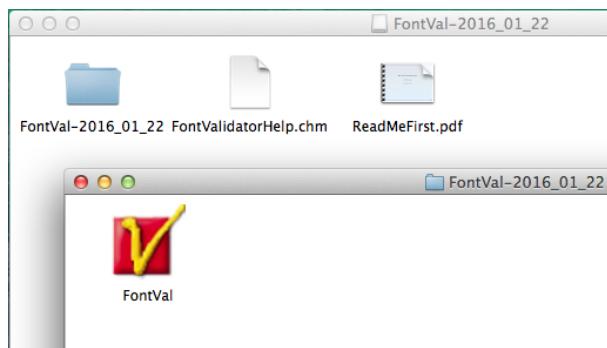
Read Me First for Mac OS X

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1 Three Tips

The Font Val GUI is launched by double-clicking the red icon within the mounted disk image:



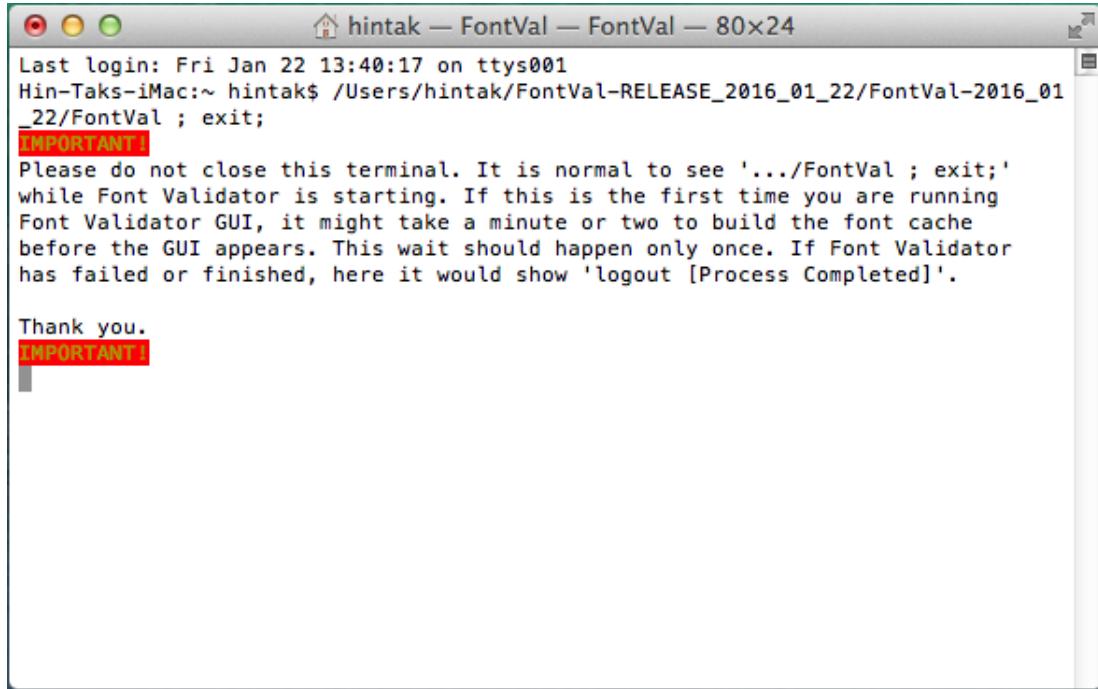
- **Important:** Do not close the Terminal window after launch! The '.../FontVal ; exit' near the top is normal. If you have not had any other fontconfig-based (i.e. any modern Unix GUI) applications installed, it may take a minute or two to fill the font cache before the GUI appear. This wait should happen only once.
- It is recommended that you configure saving reports to a location of your choice, and switch off options which do not currently work - currently there are two: the XML viewer, and rasterization tests. See screenshots in the later section on exactly how.
- The FontVal GUI is designed to run directly from within the mounted disk image. If you want to avoid mounting the disk image every time, please be aware that there are a lot of invisible items besides the visible clickable red Launcher icon. Please copy the whole folder containing the red icon, not just the icon itself.

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2 The Terminal window

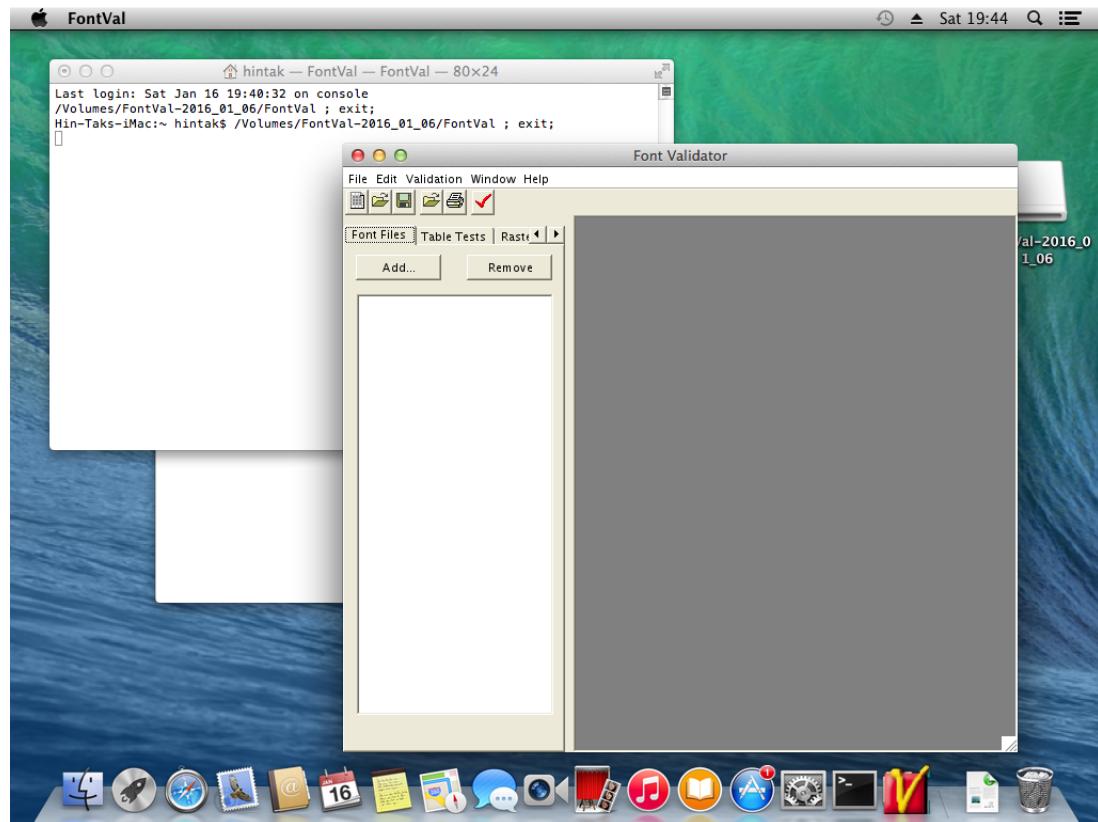
This is how it looks when the GUI is starting, from 2016-01-22 onwards:



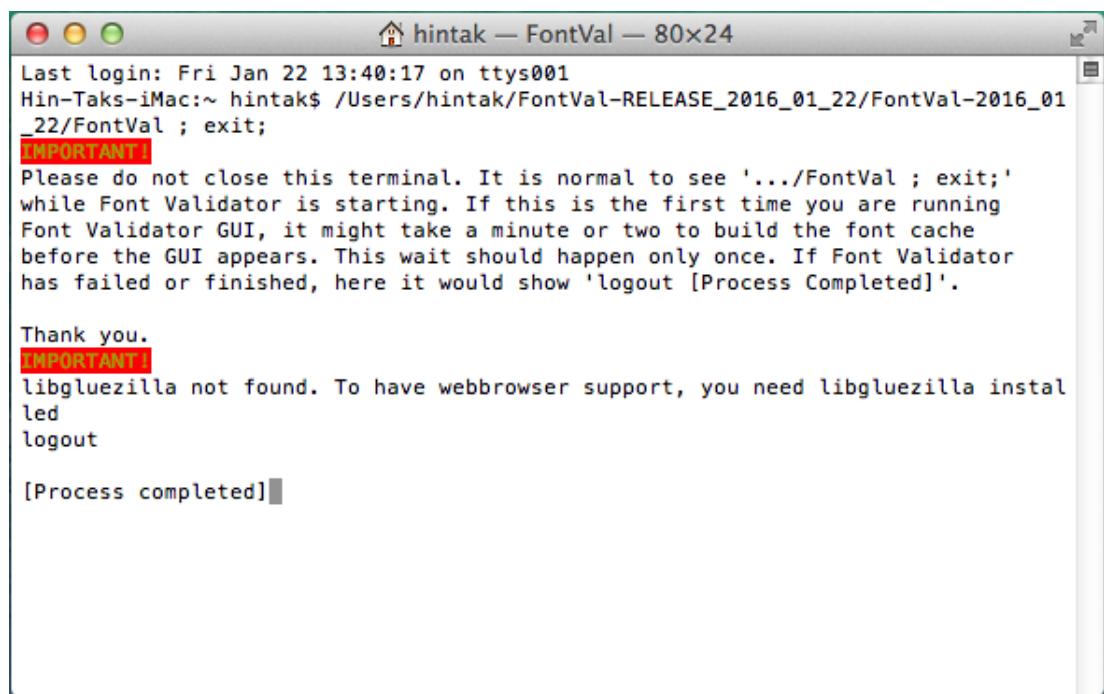
```
Last login: Fri Jan 22 13:40:17 on ttys001
Hin-Taks-iMac:~ hintak$ /Users/hintak/FontVal-RELEASE_2016_01_22/FontVal-2016_01
_22/FontVal ; exit;
IMPORTANT!
Please do not close this terminal. It is normal to see '.../FontVal ; exit;' while Font Validator is starting. If this is the first time you are running Font Validator GUI, it might take a minute or two to build the font cache before the GUI appears. This wait should happen only once. If Font Validator has failed or finished, here it would show 'logout [Process Completed]'.

Thank you.
IMPORTANT!
```

The red section was added because in a previous version (2016-01-06), it was confusing when the GUI takes a while to appear (...exit; seems to suggested it stopped):



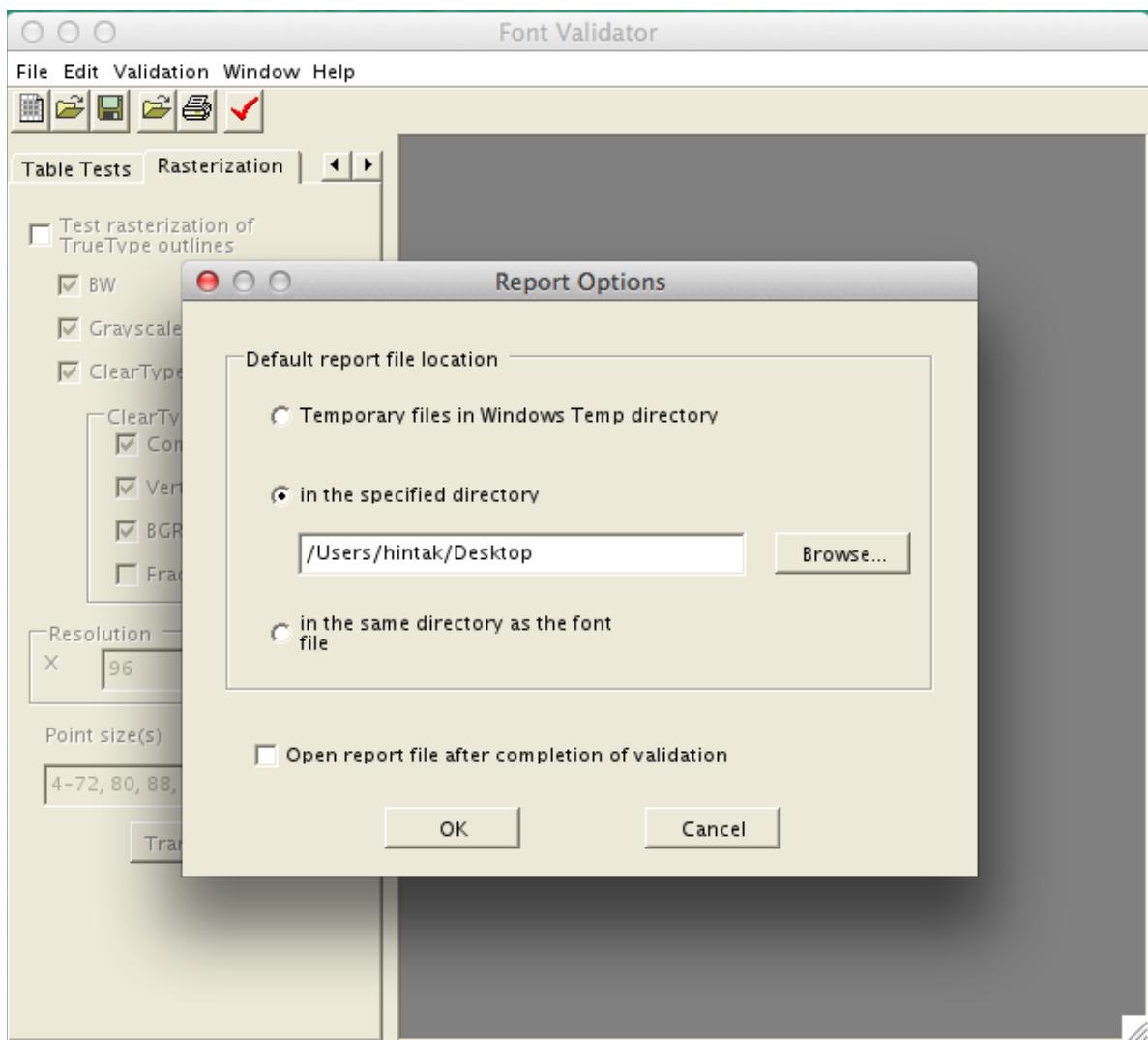
This is how the terminal looks after the GUI has finished or failed (Note: logout [Process completed]):



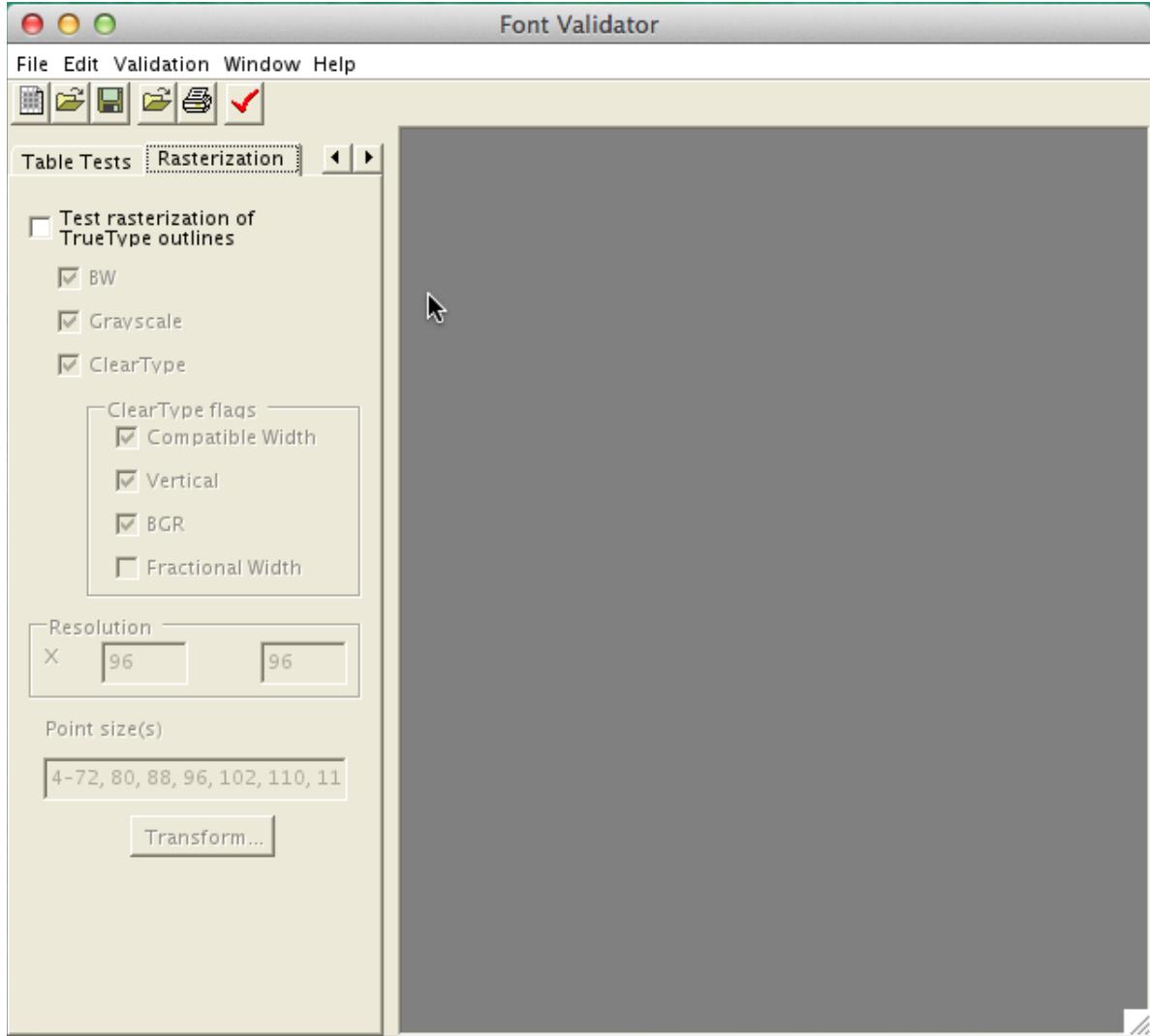
Last login: Fri Jan 22 13:40:17 on ttys001
Hin-Taks-iMac:~ hintak\$ /Users/hintak/FontVal-RELEASE_2016_01_22/FontVal-2016_01_22/FontVal ; exit;
IMPORTANT!
Please do not close this terminal. It is normal to see '.../FontVal ; exit;' while Font Validator is starting. If this is the first time you are running Font Validator GUI, it might take a minute or two to build the font cache before the GUI appears. This wait should happen only once. If Font Validator has failed or finished, here it would show 'logout [Process Completed]'.
Thank you.
IMPORTANT!
libgluezilla not found. To have webbrowser support, you need libgluezilla installed
logout
[Process completed]

3 Saving reports, and switch off viewing and rasterization

The default GUI action is to put the report in a temporary location, view, then delete on close. However, XML viewing is only partially working on Linux and does not work on Mac OS X yet. At the moment, the report is therefore put on Desktop as an inter-rim measure with a pop-up informing the user; it is however better to choose a location explicitly, and de-select “open report after validation”:

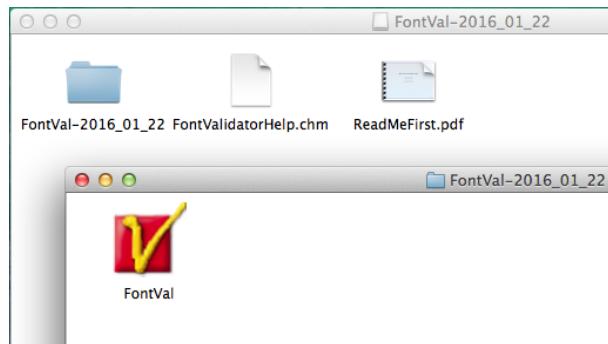


Another one to switch off is Rasterization Tests:



4 File layout in Font Val

There are 3 items: a folder, the CHM help file, and a ReadMeFirst pdf (this document). There is one icon inside the folder. Next to the icon is a few invisible items. To avoid mounting the disk image on each use, it is best to copy the whole folder containing the icon.



This is intentionally kept sparse. Interested users should visit <https://github.com/HinTak/Font-Validator> for other more developer-oriented information.

4.1 The command-line tools and hidden items

There are three hidden directories, `.Darwin`, `.Darwin-Fallback` and `.bin` in the folder containing the Launcher icon: e.g.

```
hintak$ ls -d /Volumes/FontVal-*/FontVal-*
/Volumes/FontVal-2016_01_22/FontVal-2016_01_22

hintak$ ls -a /Volumes/FontVal-2016_01_22/FontVal-2016_01_22
.           .DS_Store      .Darwin-Fallback      FontVal
..          .Darwin        .bin
```

The `.Darwin-Fallback` directory is only required by the GUI, and not needed for the command-line tools. The other two look like this:

```
hintak$ ls -a /Volumes/FontVal-2016_01_22/FontVal-2016_01_22/.Darwin
.           ..
                   libfreetype.6.dylib   libpng16.16.dylib

hintak$ ls -la /Volumes/FontVal-2016_01_22/FontVal-2016_01_22/.bin
total 147504
drwxr-xr-x  6 hintak  staff     204 Jan 22 13:42 .
drwxr-xr-x  7 hintak  staff     238 Jan 22 13:42 ..
-rw xr-xr-x  1 hintak  staff  13219612 Jan 22 13:17 DSIGInfo
-rw xr-xr-x  1 hintak  staff  24627720 Jan 22 13:11 FontVal
-rw xr-xr-x  1 hintak  staff  24463848 Jan 22 13:17 FontValidator
-rw xr-xr-x  1 hintak  staff  13203232 Jan 22 13:17 SVGInfo
```

Neither `DSIGInfo` nor `SVGInfo` requires Freetype, and can be run as is. The `FontValidator` command line tool should be run with `DYLD_LIBRARY_PATH` set to the Freetype directory, after recursively copying the directories. Freetype from Xquartz or Macport/Homebrew may not be up-to-date. I prepend that to my command-line, e.g.:

```
hintak$ cp -r /Volumes/FontVal-2016_01_22/FontVal-2016_01_22/.Darwin ~/my-lib
hintak$ cp -r /Volumes/FontVal-2016_01_22/FontVal-2016_01_22/.bin ~/my-bin

hintak$ DYLD_LIBRARY_PATH=~/my-lib ~/my-bin/FontValidator
```

5 ChangeLog

- 2016 January 23: First version of this document

