

A MuseWiki

Custom fonts

Custom fonts

amusewiki.org

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fontspec.json

The global font definition file is called `fontspec.json` and resides in the application directory (`/var/lib/amusewiki` on Debian or wherever you installed it). This file can be overridden per site if `fontspec.json` is found in the repo's `site_files` directory, for example `/var/lib/amusewiki/repo/amw/site_files/fontspec.json`.

The default file is generated by the script `muse-create-font-file.pl` which comes with the `Text::Amuse::Compile` module (amusewiki's dependency). By default it prints the content to the standard output, or write it to a file if it's passed as argument.

```
muse-create-font-file.pl fontspec.json
```

The content looks so:

```
[
  {
    "bold" : "/usr/share/fonts/truetype/cmu/cmunbx.ttf",
    "bolditalic" : "/usr/share/fonts/truetype/cmu/cmunbi.ttf",
    "desc" : "CMU Serif",
    "italic" : "/usr/share/fonts/truetype/cmu/cmunti.ttf",
    "name" : "CMU Serif",
    "regular" : "/usr/share/fonts/truetype/cmu/cmunrm.ttf",
    "type" : "serif"
  },
  # more entries
]
```

`muse-create-font-file.pl` uses a default list of font and search them using `fc-list`.

The mandatory parameters are:

name The font name as seen by the `fontconfig`. You can get the list of installed fonts using `fc-list`. It's very important that the name actually exists and `fontconfig` sees it, otherwise when trying to compile a PDF using this font, you will get a failure. Try e.g. `fc-list "Linux Libertine O"`

desc This is the description you will see on the Book Builder (`/bookbuilder`) or in the Custom Formats interface (`/settings/formats`). It's informative only, so it can be an arbitrary string.

type Valid values are `serif`, `sans`, `mono` and should be clear what this means.

To embed the fonts in the EPUBs, you also need the file location, and for this there are the four parameters (all of them must be present):

regular The regular font path

italic The italic font path

bold The bold font path

bolditalic The bold italic font path

Custom files for chapter/section headings

In the bookbuilder and in the format definition, there is a checkbox: "Use sans fonts for section titles". If you want to use a serif font for that as well, you can cheat, edit the `fontspec.json` file and change its `type` from `serif` to `sans`. Sans fonts are allowed as main font body.