

gitinfo2 and latexmk integration

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Abstract

This tiny piece of software allows painless and seamless integration of `gitinfo2` with `latexmk`. Instead of relying on `git`'s action hooks, this piece of code is loaded by `latexmk` when a build is triggered.

1 Introduction

I started using `gitinfo` a while ago, from version 1.x to version 2.x. I used the Git hooks mechanisms that were suggested in the documentation. Hence this method works well in many situations; it is, IMHO, tedious and not straightforward to maintain.

Since I'm a user of `latexmk`, I decided to build a small tool that integrates smoothly with it and `gitinfo2`.

2 Setup

- Download `gitinfo2.pm`

Simply download `gitinfo2.pm`¹ and place at the root folder of your project.

- Hook in `latexmk` Add the following line at the end of the file `.latexmkrc` that lays at the root folder of your project (create it if it doesn't exist).

```
do './gitinfo2.pm';
```

- Simply use `gitinfo`

In your LaTeX document, please add the following line (feel free to add extra parameters as described in `gitinfo2` can be used now. You might want to have look to its documentation²)

i.e.

*URL: github.com/rbarazzutti/gitinfo2-latexmk; Licence: LaTeX Project Public License, version 1.3c; E-mail: raphael.barazzutti@unine.ch.

¹<https://raw.githubusercontent.com/rbarazzutti/gitinfo2-latexmk/v0.2.0/gitinfo2.pm>

²<http://mirror.switch.ch/ftp/mirror/tex/macros/latex/contrib/gitinfo2/gitinfo2.pdf>

```
\usepackage[mark]{gitinfo2}
```

Build your document with `latexmk`

2.1 Tailoring release tags

By default, this module will look for release tags that match the following that starts with a digit (that fit the following regex `"[0-9]*.*"`).

You can use a custom release tags matcher, i.e. in case where version number are prefixed with the letter `"v"`, the hook code should be adapted by setting it through the a variable named `GIT2TM_OPTIONS`:

```
%GIT2TM_OPTIONS=(RELEASE_MATCHER=>"v[0-9]*.*");  
do './gitinfo2.pm';
```

3 Known-bugs

- The root of your project needs to be the root of your git repository (due to `gitinfo2`'s design)

4 PDF documentation

Simply download the PDF manual³ of `gitinfo2-latexmk`. This PDF document contains more-or-less the content of this README.

5 Change log

- v0.1.0 first release (tested with TeXlive2017 on Debian Linux and on OSX)
- v0.2.0 support for Windows

³<https://github.com/rbarazzutti/gitinfo2-latexmk/blob/doc/readme-v0.2.0.pdf>