gitver – Git version tags for LATEX projects

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This file is maintained by Charles Baynham.
Bug reports can be opened at
`https://github.com/charlesbaynham/gitver`.

1 Introduction

The gitver package gets a description of the current git version of this document and stores it in a command `\gitVer`. If memoir or fancyhdr are in use, it will also add this to the document footers unless the option `noheader` is passed.

It also defines a command `\versionBox` which outputs a box containing the version and date of compilation.

For this to work, you must have git installed and available on the command line, this document must be part of a git repository, and latex must be running in "shell escape" mode. This can be enabled by passing –shell-escape on the command line when compiling your document, or will be available in the options of whatever GUI you're using (try Googling).

Note that online Latex editors like Overleaf.com often do not have git installed. Gitver will detect these by the precense of the environmental variable "CLSI" and will display the version as "CLSI" instead.

Note that it's a good idea to tell git to ignore all the latex auxilary files, otherwise your version will always be "dirty". Try the .gitignore file from `https://www.gitignore.io/api/latex` if you don't already have one.

The package is released "as is" with no warranty under the LaTeX Project Public License, version 1.3.

2 Usage

2.1 Macros

`\gitVer` The main point of this package, the command `\gitVer` prints a string of text describing the current revision of this git repository. Use like so:

> The current version of this repository is "`\gitVer{}`".

which compiles to

> The current version of this repository is "f867e4".

\versionBox   Alternatively, you can use a \versionBox, most commonly in the footer:

    \versionBox{}

gives the output:

> Manuscript version: *#f867e4 - 2022-07-16 14:02:59Z*

2.2 Footers

By default, gitver will try to place a \versionBox into the footer of your document.
If you're using the memoir class or the fancyhdr package, this will happen auto-
matically. This document has these footers enabled: have a look at the bottom of
this page for an example.

noheader   You can disable the headers by adding the option noheader to the package
call.

If you include gitver without either of memoir or fancyhdr loaded, it will
complain. To suppress this complaint, pass the noheader option.

To customise the header / footer behavior, pass noheader and then use a
combination of \versionBox and \gitVer to make your own headers/footers.

2.3 Metadata

nopdfinfo   By default, this package also adds the git tag to the pdf document's metadata
under the subject field. To disable this behaviour, pass the option nopdfinfo.

3   History

- v1.0 - First release

- v1.1 - Remove extra space from output

- v1.2 - Use datetime2 instead of datetime to reduce dependancy burden and
  display dates in ISO format

- v1.3 - Support LuaLatex

- v1.4 - Detect running in online builders via "CLSI" environmental variable