# 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 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.

## 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 "7b7762".

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

```
\versionBox{}
```

gives the output:

Manuscript version: *#7b7762* - 2020-10-30 10:40:03Z

## 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 automatically. 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