

Installing

1. Ubuntu 12.04 and 14.04 are fully supported for now.

```
sudo add-apt-repository ppa:presslabs/gitfs
```

```
sudo apt-get update
```

```
sudo apt-get install gitfs
```

2. For using gitfs on Mac, the steps are as follows:

Prerequisites

- Homebrew: <http://brew.sh/>

```
brew install gitfs
```

Mounting

Before mounting, you'll need a working git repository. You can use a [local repository](#) or maybe a git service like [GitHub](#).

In order to mount your repository to the desired directory, use:

```
gitfs http://your.com/repository.git /mount/directory
```

Directory structure

current/ – contains a snapshot of the commit that the branch's HEAD is pointing to. Any changes made here will be automatically committed and pushed to the repository you have mounted.

history/ – contains a series of directories whose names are dates. In these directories you will find each commit's read-only snapshot categorized by the time and SHA of that commit. Every snapshot will be read-only.

The **history** folder can look like this:

- 2014-09-15
 - 12:33:26-b6758e0c38
 - 16:17:24-cf3f4fbad8
- 2014-09-17
 - 11:19:55-256c692b89

Changelog

=== (ongoing) ===

- * implement behavior for .gitignore

=== 0.2.4 ==

- * feature: added `hard_ignore` and `ignore_file` mount options
- * fixed: `link` syscall
- * change: `.gitmodules` file is read-only

=== 0.2.3 ===

- * feature: send erros to sentry. Can be configured by environment variable SENTRY_DSN or sentry_dsn mount option
- * fixed the way .gitignore entries are checked
- * improved logging

=== 0.2.2 ===

- * upgrade to pygit2 0.21.4
- * fix #157: use `log.exception` to log exception when push/fetch fails

=== 0.2.1 ===

- * fix __version__ import error
- * added support for publishing on pypi from drone.io

=== 0.2 ===

- * fix #152: logger should include `remote_url`
- * fix #153: make sure that no empty commits are ever created
- * fix #154: add __version__
- * fix #123: remove duplicate code
- * fix #79: duplicate code in Repository._get_git_object and Repository._get_git_object_type

=== 0.1.2 ===

- * fix #136, #137, #140: various bugs related to directory creation/removal
- * fix #144, #145, #146: various bugs related to cache system
- * fix #142: /current is unavailable when repo_path is relative
- * fix #148: don't push empty commits
- * fix #149: commiter_name should be args.user
- * fix #150: submodules are not ignored

=== 0.1.1 ===

- * fix #129: use ssh user from clone url

* fix #134: pushing on repos requiring authentication was not working

=== 0.1.0 ===

Initial release

Known Issues

- On CommitView, each file should have correct st_mtime
- Improve documentation