Bhupesh-V / **ugit** Public

🚨 ugit helps undo git commands. Your damage control git buddy. Undo from 20+ git scenarios.

bhupesh.me/undo-your-last-git-mistake-with-ugit/

MIT license

1.1k stars **38** forks

Star Notifications

Code Issues 8 Pull requests 1 Discussions Actions Projects 1 Security Ins

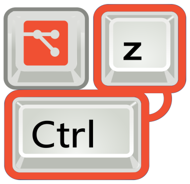
master Go to file

Bhupesh-V latest news ⭐ ··· on Oct 31, 2022 **181**

View code

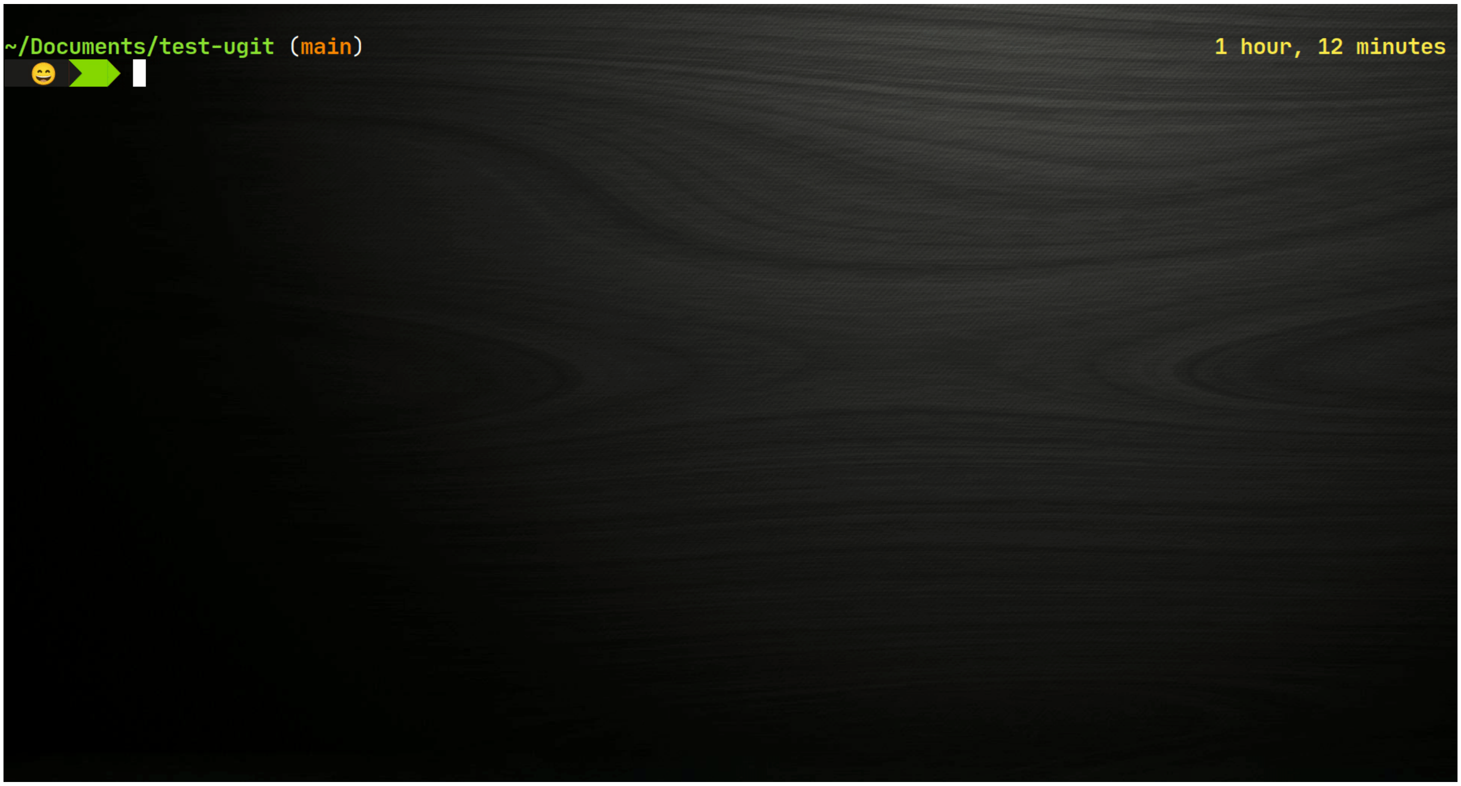
README.md

ugit



`Undo your last oopsie 🙈 in git`

build passing | license MIT | downloads 2125 | platform GNU/Linux | MacOS | guide git undo | Follow @bhupeshimself



```
~/Documents/test-ugit (main)                                          1 hour, 12 minutes
😄 ❯ █
```

▶ **More Video Demos** ✨

Why use `ugit` ?

- You ran an accidental `git` command you wish to 'undo'.
- You want to save time by not searching for *how to undo ...*
- Your focus is on problems at hand and not on Git (avoid context switching)
- Because `ugit` is precise & uber cool !

Motivations behind writing ugit 🙅‍♂️

What's in the box ?

`ugit` / `git-undo` supports undoing following operations, some are a WIP. If you know of any other operations that can be undone and is not in the list, make sure to raise an issue or make a quick PR 💛

- ☑ Undo `git commit`
- ☑ Undo `git add`
- ☑ Undo `git push`
- ☑ Undo `git branch -D` (branch delete)
- ☑ Undo `git pull`
- ☑ Undo `git reset`
- ☑ Undo `git tag -d` (tag delete)

- ☑ Undo `git stash apply`
- ☑ Undo `git stash pop/drop/clear`
- ☑ Undo accidental file delete (Restore a deleted file after a commit)
- ☑ Undo (Restore) a file to a previous version
- ☑ Undo `git merge`
- ☑ Undo `git cherry-pick`
- ☑ Undo `git tag`
- ☐ Undo `git rebase`
- ☐ Undo `git worktree remove` (recover deleted work-tree)

Contribute to the project by helping me with the above mentioned tasks.

If you have any other ideas/suggestions, do send them across. **Hop in to ugit discussions** 💬

News

When	What
29 Oct, 2022	ugit crossed 1k stars
02 June, 2022	console.dev featured ugit
18 May, 2022	I gave a talk about the git tooling ecosystem & `git undo` in Undo git, say whaat! - **GitHub India Constellation**, May 2022
12 May, 2021	The guide was **tweeted by GitHub** (I was logging my research process there while building ugit)
30 April, 2021	Featured on **Changelog News**

Community

- Alexander Alemayhu made a youtube tutorial on Undoing Your Last Git Commit with Ugit

Installation

Prerequisites

ugit dependencies:

- **Bash** >= `4.x.x`
- **Git** >= `2.23.0`
- **fzf** >= `0.21.0` - Installation guide
- GNU utils like `awk`, `grep`, `tput` etc

Linux

```
sh -c "$(curl -fsSL https://raw.githubusercontent.com/Bhupesh-V/ugit/master/install)"
```

Or Arch Linux users can install **ugit via AUR**.

Mac

```
brew install ugit
```

Windows

To use ugit on windows you need to install:

1. Git Bash
   Git bash comes with git (if you have installed it on your machine then no need). To install git (preferably with scoop):

   ```
   scoop install git
   ```

2. FZF

   ```
   scoop install fzf
   ```

   Alternatively, with Chocolatey:

   ```
   choco install fzf
   ```

3. To use bash in terminal change your directory to `**git\2.35.3.windows.1\bin\bash**` accordingly.

4. Then either clone the repo,

   ```
   git clone https://github.com/Bhupesh-V/ugit.git
   ```

   or get it using curl:

   ```
   sh -c "$(curl -fsSL https://raw.githubusercontent.com/Bhupesh-V/ugit/master/install)"
   ```

Fig

Fig adds apps, shortcuts, and autocomplete to your existing terminal.

Install `ugit` in just one click.

Install with Fig

ZSH Frameworks

Zgenom

If you're using Zgenom:

1. Add `zgenom load Bhupesh-V/ugit` to your `.zshrc` along with your other `zgenom load` commands.
2. `zgenom reset && zgenom save`

Antigen

If you're using Antigen:

1. Add `antigen bundle Bhupesh-V/ugit` to your `.zshrc` where you've listed your other plugins.
2. Close and reopen your Terminal/iTerm window to **refresh context** and use the plugin. Alternatively, you can run `antigen bundle Bhupesh-V/ugit` in a running shell to have `antigen` load the new plugin.

Oh-My-ZSH

If you're using oh-my-zsh:

1. Clone the repository into a new `ugit` directory in oh-my-zsh's plugin folder:

   ```
   git clone https://github.com/Bhupesh-V/ugit.git $ZSH_CUSTOM/plugins/ugit
   ```

2. Edit your `~/.zshrc` and add `ugit` – same as clone directory – to the list of plugins to enable:

   ```
   plugins=( ... ugit )
   ```

3. Then, restart your terminal application to **refresh context** and use the plugin. Alternatively, you can source your current shell configuration:

   ```
   source ~/.zshrc
   ```

Please read ⚠️

Git comes with a garbage collector (in case you didn't know) therefore undoing some commands will become impossible if the entries are deleted from the reflog. One way to prevent this is to increase default time limits before the reflog entries expire.

Add these configuration in your global `.gitconfig` file:

```
[gc]
    # default 90 days
    reflogExpire = 200
```

Used to set how long records in a branches reflog should be preserved.

```
[gc]
    # default 30 days
    reflogExpireUnreachable = 90
```

Used to set how long inaccessible reflog records should be preserved.

Not satisfied? 😒

You can read my in-process guide on **How to undo anything in Git**

Credit & Thanks

To all the SO threads that I will probably never visit again ;)

😊 Show your support

Support me by giving a ⭐ if this project helped you! or just Tweet

Support via PayPal

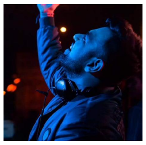
📝 License

👋 Contributing

Please read the CONTRIBUTING file for the process of submitting pull requests to us.

Contributors ✨

Thanks goes to these wonderful people (emoji key):

 **Sharan Aithal** 💻 📖	 **Tabulate** 💻 📦	 **Joe Block** 💻 📖 🔌	 **César Román** 💻 🐛	 **Ilkin Bayramli** 📦	 **Kopal Chakravarty** 💻	 **Zorawar Purohit** 📖

 Nalin Singh 💻	 vinayaknayar 📖	 RohitSingh107 📦	 Théotime Maillarbaux 💻 🐛

This project follows the all-contributors specification. Contributions of any kind welcome!

Releases 10

v5.4 Latest
on Oct 12, 2022

+ 9 releases

Sponsor this project

opencollective.com/**ugit**

https://paypal.me/BhupeshVarshney

Learn more about GitHub Sponsors

Contributors 15

+ 4 contributors

Languages

● **Shell** 100.0%