

Using GitHub to version-control and collaborate

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`https://github.com/tsgouvea/gitTutorial`

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git tracks your code history

Git is a version control system that is used for software development and other version control tasks.

–Wikipedia

Git is a mature, actively maintained open source project originally developed in 2005 by Linus Torvalds, the famous creator of the Linux operating system kernel small change

–Atlassian's tutorial

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

–The internet somewhere

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Someone mapping geographical distribution of Pokemons
<https://github.com/AHAAAAAAAAA/PokemonGo-Map>

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The Kepecs Lab <https://github.com/KepecsLab>

software \neq GUI \neq hosting service

git the software

github/bitbucket hosting services

SourceTree the graphical user interface (GUI)

git vocabulary (part 1/2)

repository A special folder in your computer (*local repo*).
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- push** *Upload* in git lingo.
- pull** *Download* in git lingo.

Hands On!

- Create a git account
- Download and install SourceTree (or go command line!)
- Create a 'Hello World!' repo
- Clone your repo
- Modify, commit, push

- Organizations
- Teams
- Issues
- Wiki

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- Keep branches simple
- Master should always be ready for deployment
- Pull requests are debates
- Internet is your friend (specially stackoverflow)

Further reading

Git official documentation

<https://git-scm.com/docs/gittutorial>

Atlassian's git tutorial

<https://www.atlassian.com/git/tutorials/>

Atlassian's **SourceTree**/BitBucket tutorial [https:](https://confluence.atlassian.com/bitbucket/tutorial-learn-sourcetree-with-bitbucket-cloud.html)

[//confluence.atlassian.com/bitbucket/tutorial-learn-sourcetree-with-bitbucket-cloud.html](https://confluence.atlassian.com/bitbucket/tutorial-learn-sourcetree-with-bitbucket-cloud.html)

GitFlow: a tried-and-tested strategy for using branches

<http://nvie.com/posts/a-successful-git-branching-model/>

How github uses github to build github

<https://youtu.be/qyz3jk0BbQY>