

"Git

-noun British Slang. an unpleasant or contemptible person'

-Oxford English Dictionary

I'm an egotistical bastard, and I name all my projects after myself.

First Linux, now git.,

-Linus Torvalds

Git is a fast, scalable, distributed revision control system with an unusually rich command set that provides both high-level operations and full access to internals.





Why?

- Text files
 - Codes, scripts, notes etc ...
 - Work alone? What about in ... 6 months?
 - Work together? What about concurrent access?
 - Like "suivi de modification" MS-Word (well, more or less)
- Version control system: history
- Collaborative (concurrent)
- Distributed: several copies (remote)
- Tasks: store modification, view, synchronize, merge, etc.
- Git: large set of tools



Commands

Usage

- Terminal, command line : git <something>
- Graphical GUI tool
- Web-based

Main actions:

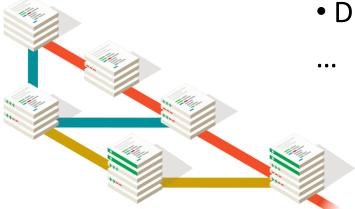
- Add a file to be tracked
- Indicate a file modification (commit)
- Send all modifications to remote copies
- Synchronize and merge modification from remote copies



Examples

- Repository (« folder, project »)
- Remote (« computer, server »)
- Clone
- Add
- Commit

- Pull
- Push
- Log
- Diff





Online

www.github.com www.gitlab.com www.bitbucket.org



Github (example)

- Founders: Chris Wanstrath (CEO), PJ Hyett, Tom Preston-Werner
 - Launched: 2008
 - Funding: \$350 million
 - · Valuation: \$1.5 billion (PitchBook)
- The company now has 20 million users and is aiming for 100 million.
- 68+ millionProjects hosted
- ~700 employees
- \$200 million in annualized recurring revenue.
- \$2 billion valuation in 2015



URL

- Tutorial
- Tutorial
- Cmd line references
- Book

https://try.github.io

http://gitimmersion.com

http://overapi.com/git

https://git-scm.com/book/en/v2



GIT - the stupid content tracker

"git" can mean anything, depending on your mood.

- actually used by any * random three-letter combination that is pronounceable, and not common UNIX command. The fact that it is a mispronunciation of "get" may or may not be
- * stupid. contemptible and despicable. simple. Take your pick from the dictionary of
- * "global information tracker": you're in a good mood, and it actually works for you. Angels sing, and a light suddenly fills the room.
- * "goddamn idiotic truckload of sh*t": when it breaks

Git is a fast, scalable, distributed revision control system with an unusually rich command set that provides both high-level operations and full access to internals.

Git is an Open Source project covered by the GNU General Public License. It was originally written by Linus Torvalds with help of a group of hackers around the net. It is currently maintained by Junio C Hamano.