



git

“**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.

WTF ?!??



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
- Pull
- Push
- Add
- Log
- Commit
- 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+ million Projects 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.

- * random three-letter combination that is pronounceable, and not actually used by any common UNIX command. The fact that it is a mispronunciation of "get" may or may not be relevant.

- * stupid. contemptible and despicable. simple. Take your pick from the dictionary of slang.

- * "**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.