How To Contribute To Open Source

jonathan yankovich wdi sf
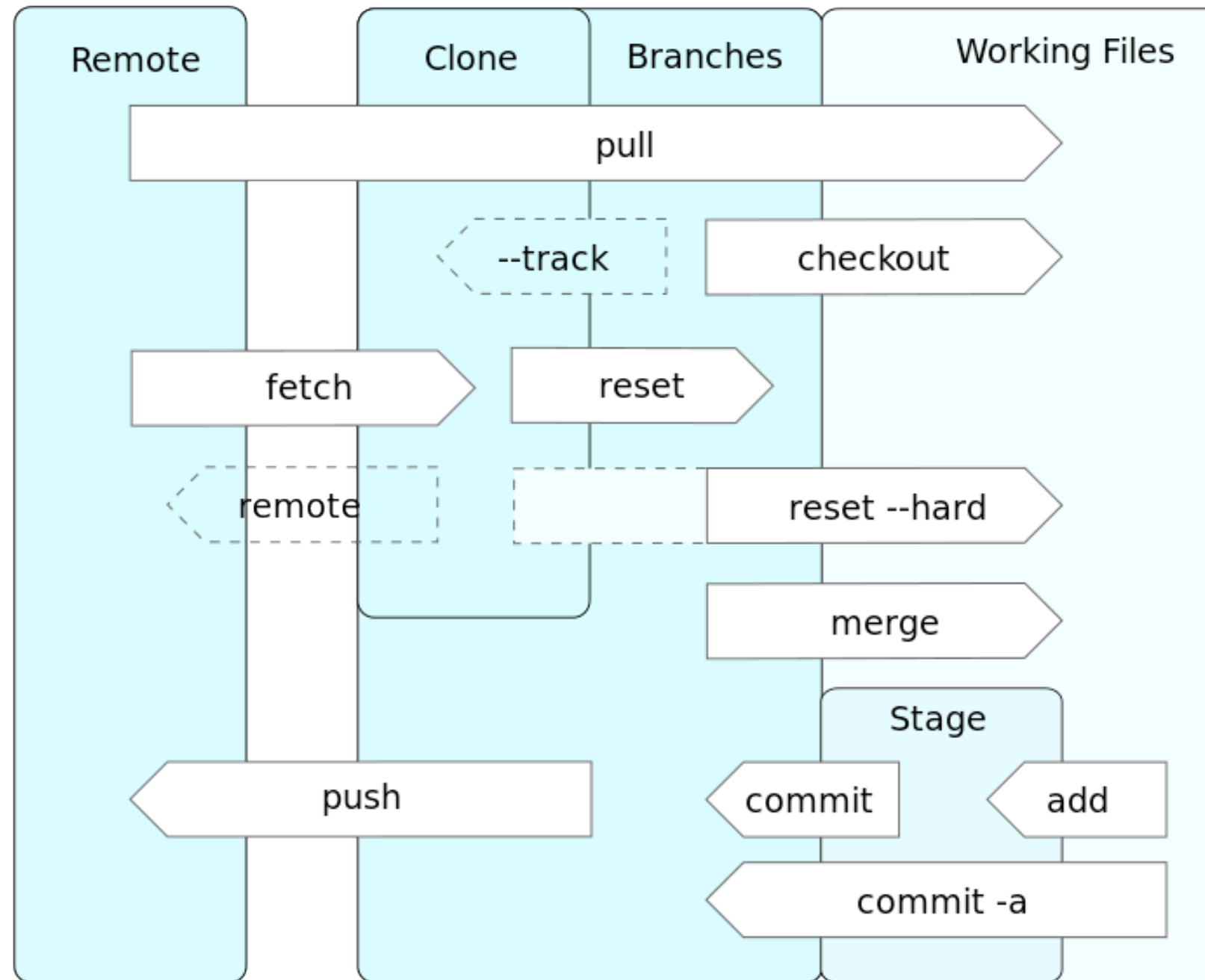
Enabling Technologies

- Git

- Github.com

Git

- Created by Linus Torvalds

- Distributed

- Git ~~Bitkeeper~~ (on Linux)

- Git ~~Svn (Subversion)~~ ~~Cvs~~ ~~(Conncurrent Version System)~~

Git Workflow

Github

Started 2008 (5 years ago)

106 Employees
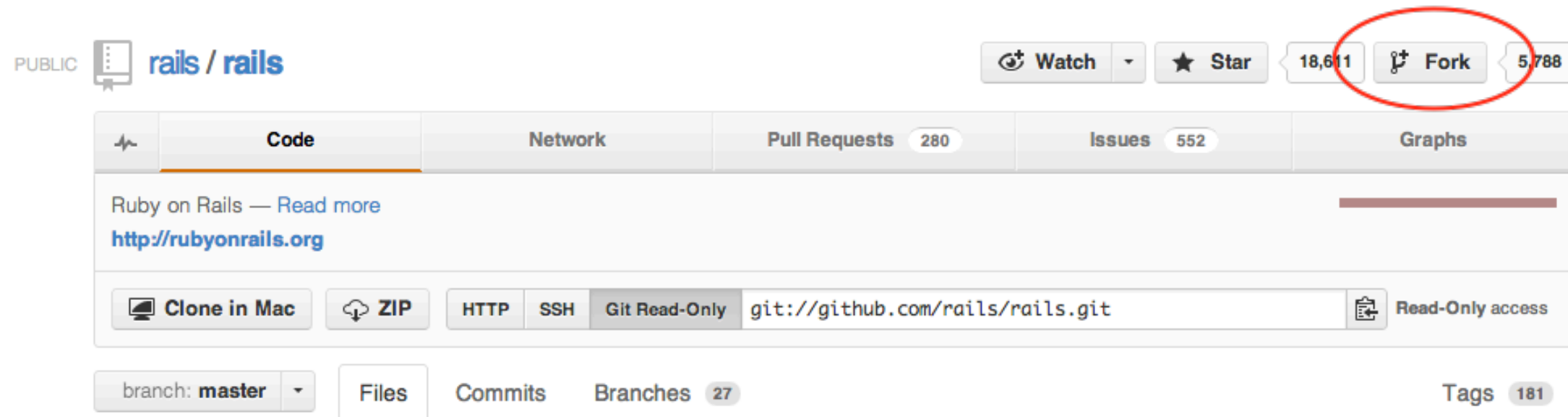
Free Public Hosting of Unlimited Repositories

Private hosting from $7/month (5 repositories)

Workflow

As a contributor,

Fork → Commit → Pull Request

Workflow


```
$ git clone git@tronathan/rails.git

$ cd rails
$ git remote add upstream https://github.com/rails/rails.git
$ git fetch upstream
```

Workflow

```
$ git clone git@tronathan/rails.git
$ cd rails
$ git remote add upstream https://github.com/rails/rails.git
$ git fetch upstream
$ git rebase upstream/master              # pull in changes
```

Workflow

```
$ git clone git@tronathan/rails.git
$ cd ruby
$ git remote add upstream https://github.com/rails/rails.git
$ git fetch upstream
$ git rebase upstream/master
$ git checkout -b feature-name
$ subl .                          # do your work
$ git add .
$ git commit -m "Fixed issue #123 by doing xyz"
```

Workflow

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$ subl .                          # do your work
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$ git commit -m "Fixed issue #123 by doing xyz"
$ git push origin feature-name
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Workflow

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$ subl .                        # do your work
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$ git push origin feature-name
```

Pull Request!

Pull Request Workflow

- Maintainer Emailed

- Discussion Started

- Travis Build Pass

- Pull Request Accepted

Pull Request Workflow

You are now a contributor!

Friction

- Specific App Knowledge

- Dependencies (Local Environment)

  - Postgres? Mysql? Mongo?

- Contribution Guidelines:

  - AUTHORS, CHANGELOG

  - Code Coverage

- Time

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