ProGit

How I forked github in two weeks

Presented by

Pierre-Yves Chibon (pingou)

Fedora packager and infrastructure

About me

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GitHub

- Currently "The" place to be

- Over 6 millions users!

- Millions of Open Source projects hosted for free

  - Open Source, not FOSS

- Convenient

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GitHub vs FedoraHosted

GitHub	FedoraHosted
(D)VCS: Git / SVN	(D)VCS: Git / SVN / Hg / Bzr
Wiki	Wiki (trac)
Issue-tracker	Issue-tracker (trac)
Git hooks (a lot)	Git hooks (some)
2 clicks to create a new project	1 ticket to create a new project
Updated	LTS (trac 0.12.5 vs 1.0/1.1.2)
Collaborative (fork, pull-request)	
Show attribution / contribution	
Online editing	

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What is the problem?

GitHub is not FOSS

What do we want?

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What do we want?

- FOSS platform

- Easy to use

- Facilitate collaboration (think pull-requests)

- Hooks (makes live easier)

- Single log-in

- That can be integrated into other tools

- Possibility to move out

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ProGit

- Create project easily

- Easy to use

- Fork projects

- Create / Merge pull-request

- Project's documentations

- Issue tracker

- Git-centered

- "Move out"

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Progit – Specs

- Python based

- Flask application

- Git integration: pygit2

ProGit – 2 weeks

- FAS integrated

- Git-centered view (cgit-like)

- Git-based doc: rst/markdown/html

- Basic issue-tracking system

- Basic fork/pull-request/merge mechanism

  - Across projects

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ProGit - Today

- ~4,500 LOC (including hooks)

- 2 working hooks

  - Email

  - ProGit hook (relates #1; fixes #2)

  - IRC hook (structure)

- Easy to create projects

- Project's settings for doc and tracker

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ProGit – Today (2)

- Supports Fork / Pull-request / Merging
    - Across and within a project
- Gitolite integration (for auth)
- Distributed issue-tracking system

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ProGit Today (3)

The missing pieces:

- Anonymous cloning (git clone git://..., to update feature branch?)

- Improve UI / UX

- Dedicated / Documented API
    - Compatible with GitHub's?

- Comments on pull-requests

Cope with pygit2 updates...

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What do we have?

- ✔ FOSS platform

- ✔ Easy to use

- ✔ Facilitate collaboration (think pull-requests)

- ✔ Hooks (makes live easier)

- ✔ Single log-in

- ✖ That can be integrated into other tools

- ✔ Possibility to move out

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But ...

Yes, but …

- ProGit is not GitHub

  - 😫 Requires Yet Another Account

    - Currently FAS centered, easy to change

  - 😀 Easy to deploy (in-house GitHub?)

  - 😎 Distributed projects?

    - One project hosted on multiple places?

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Yes, but ...

- ProGit is not GitHub

  - 😫 Requires Yet Another Account

    - Currently FAS centered, easy to change

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  - 😎 Distributed projects?

    - One project hosted on multiple places?

  - ⚠ Social network

    - No liking

    - No following

    - No activity feed/graph

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Past, Present, Future

- Started as

  - Playground

  - Exercise to learn python/git

  - An answer to the questions: let's move to GH, but GH isn't free

- Is

  - A prototype

- Will become

  - ??

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The question is:

is there an interest?

Check it:
http://209.132.184.222/

Questions?

Contact:
pingou@fedoraproject.org