PROJECT DIY HOSTING OPTIONS

RUNNING YOUR OWN GITHUB

Jim Hague

LAIC Ag

jim.hague@acm.org

ACCU Conference 2015

WHY?

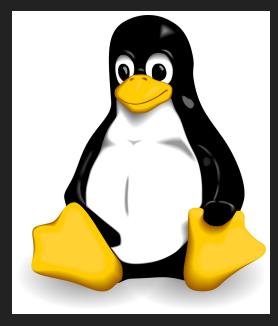






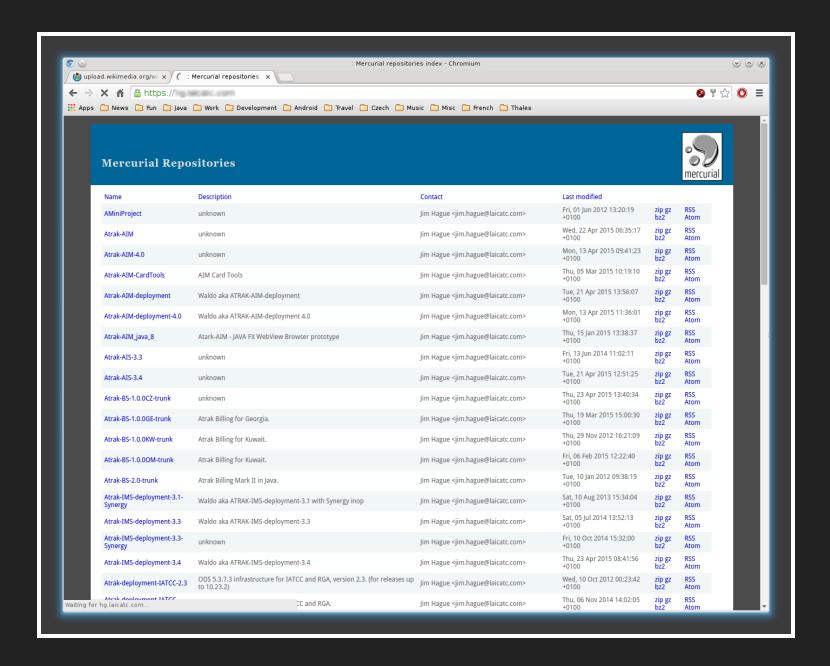




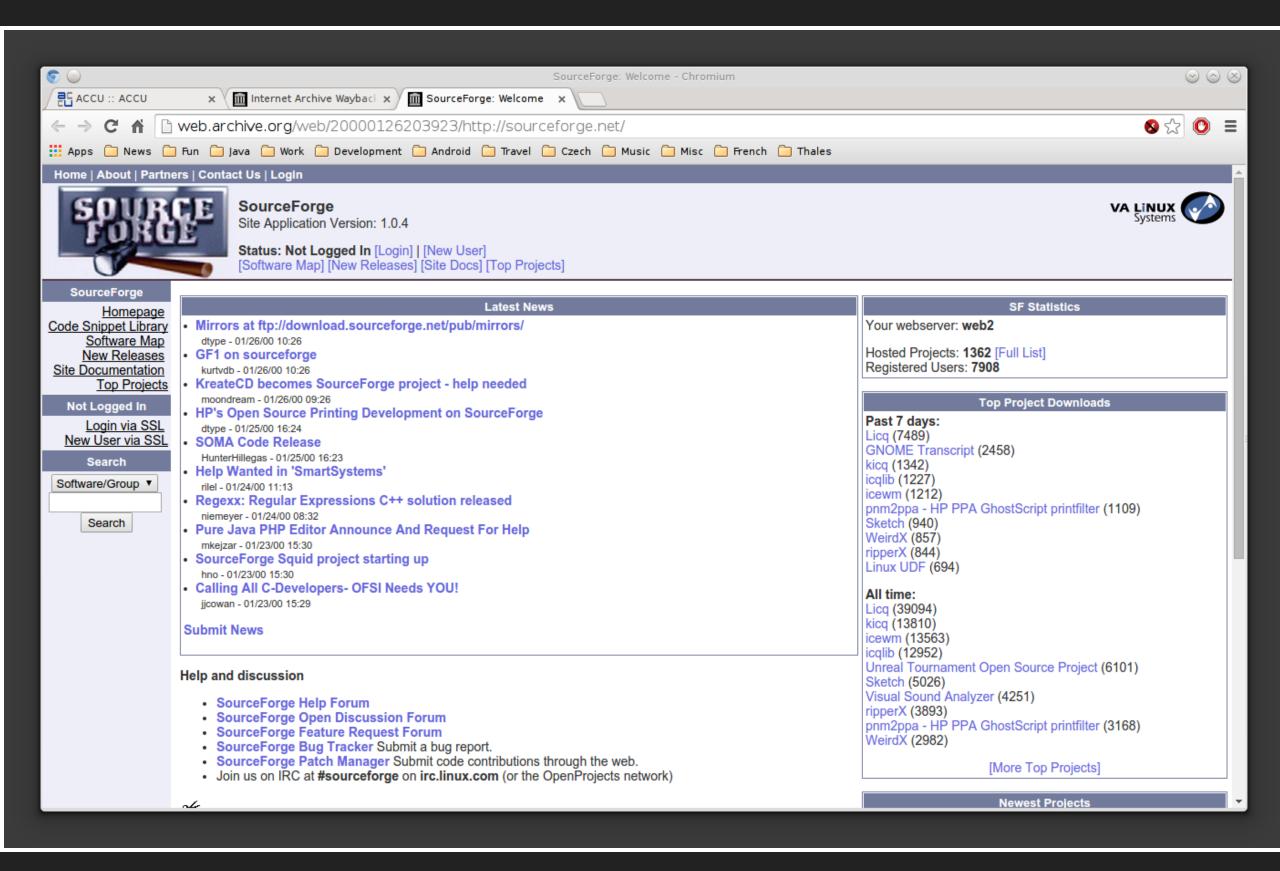


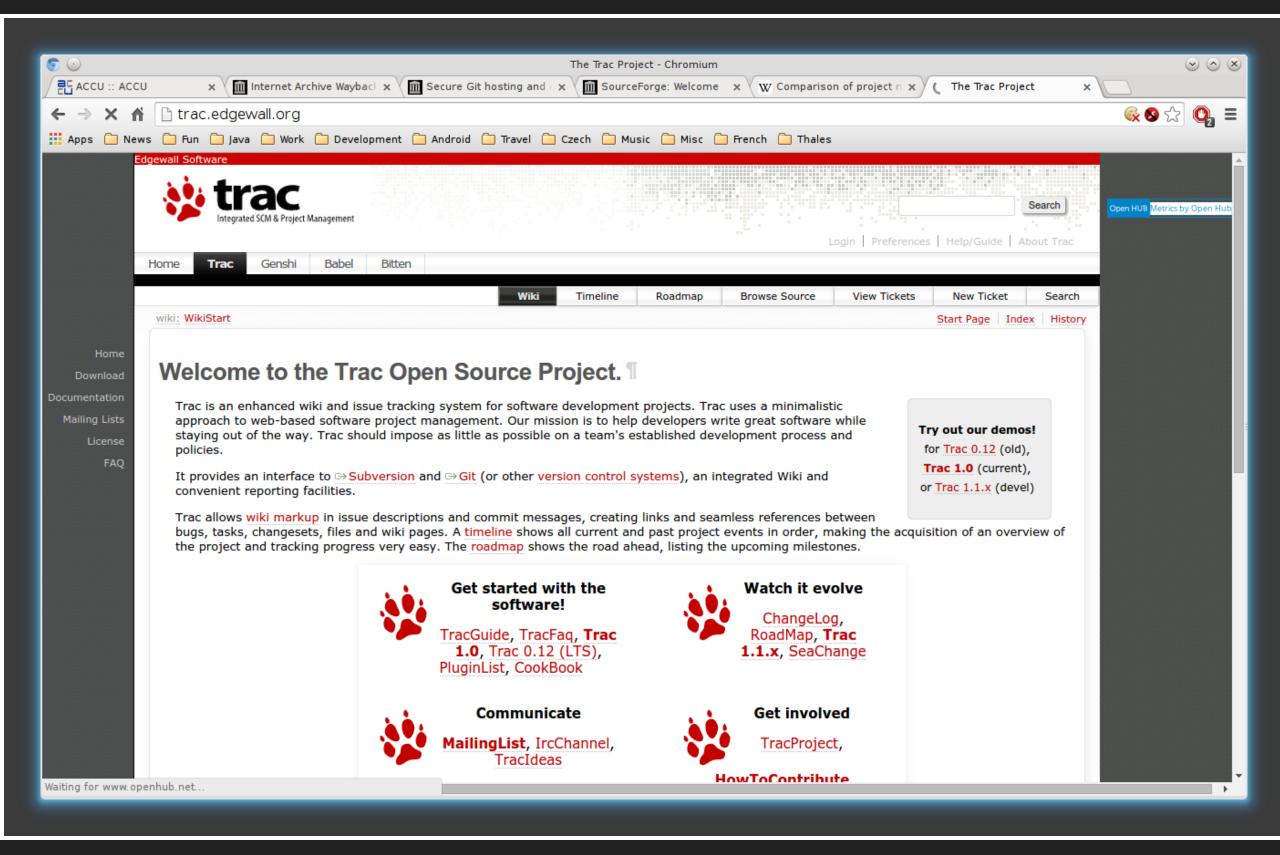


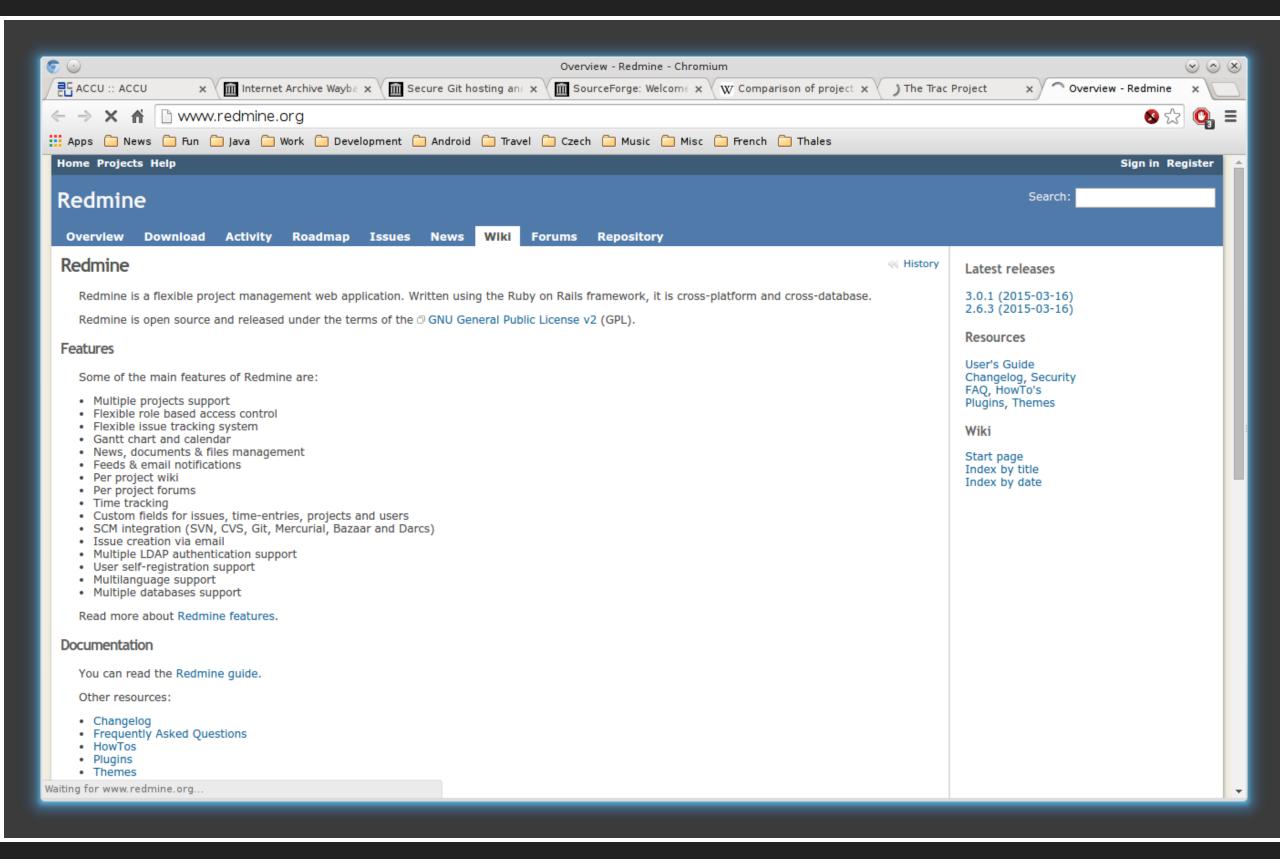
REPOSITORY ACCESS?

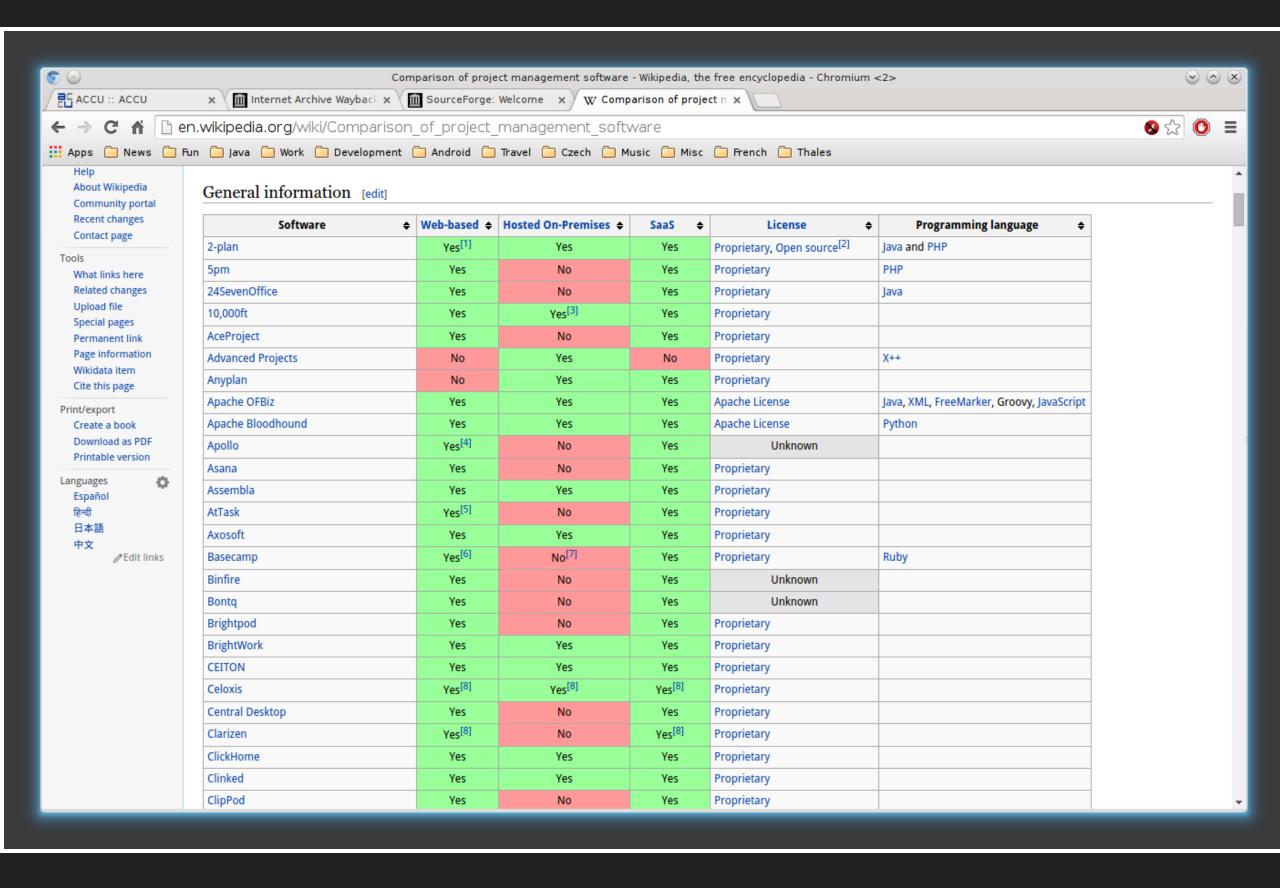


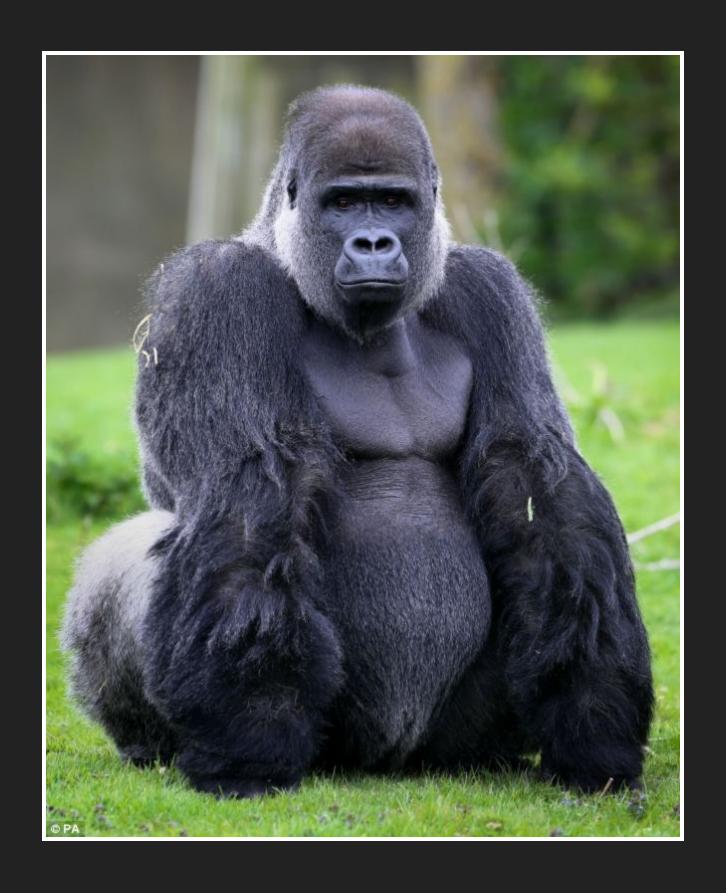


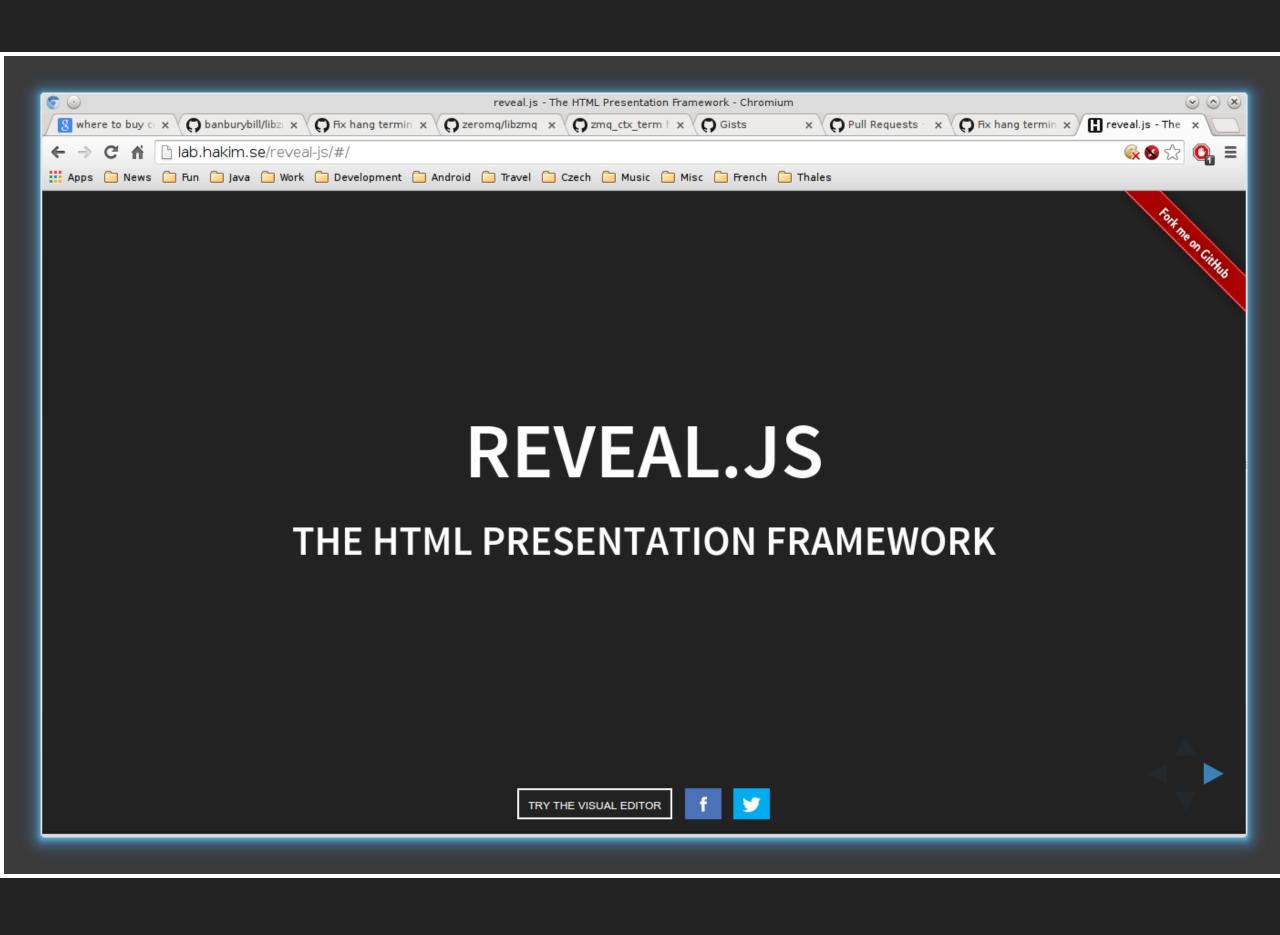








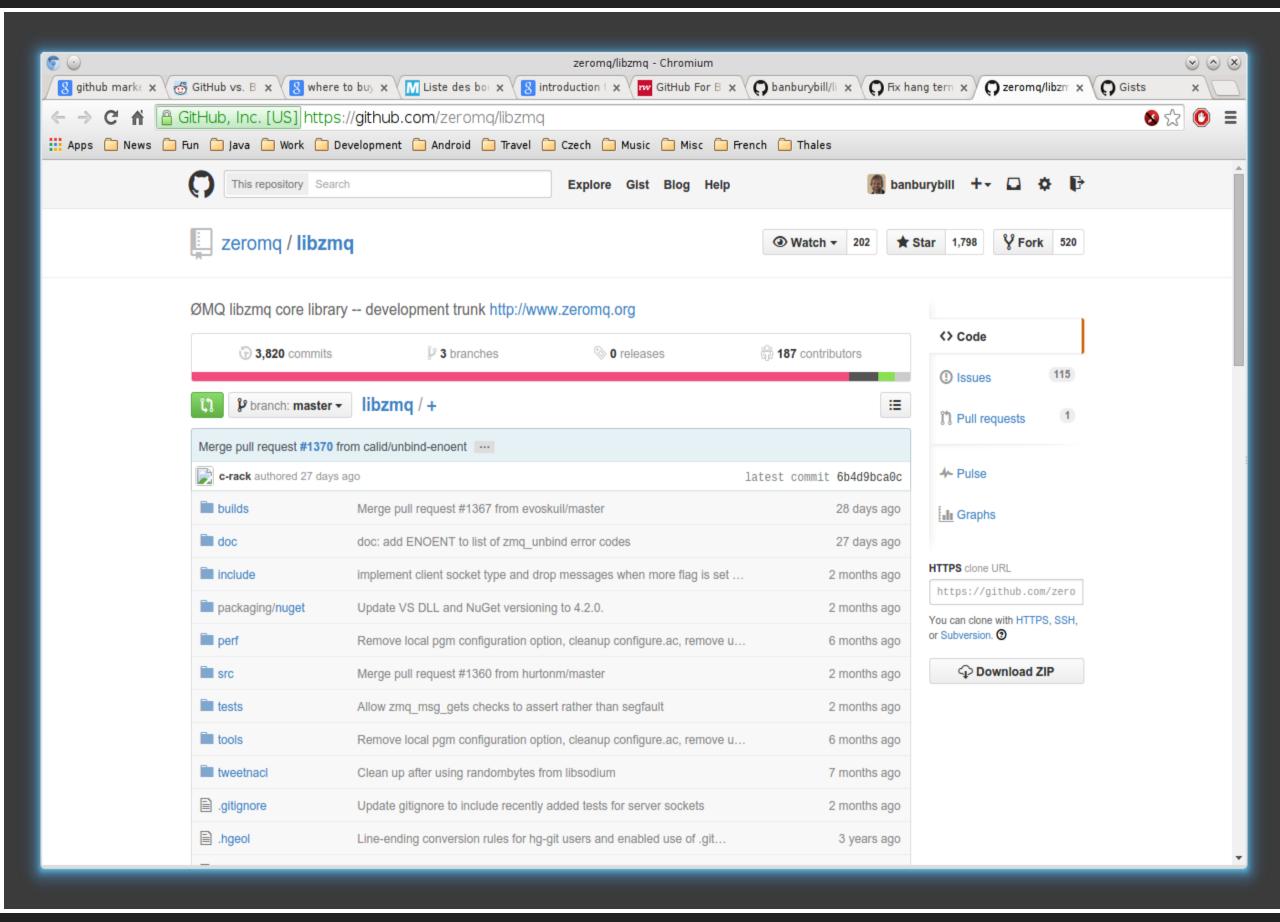


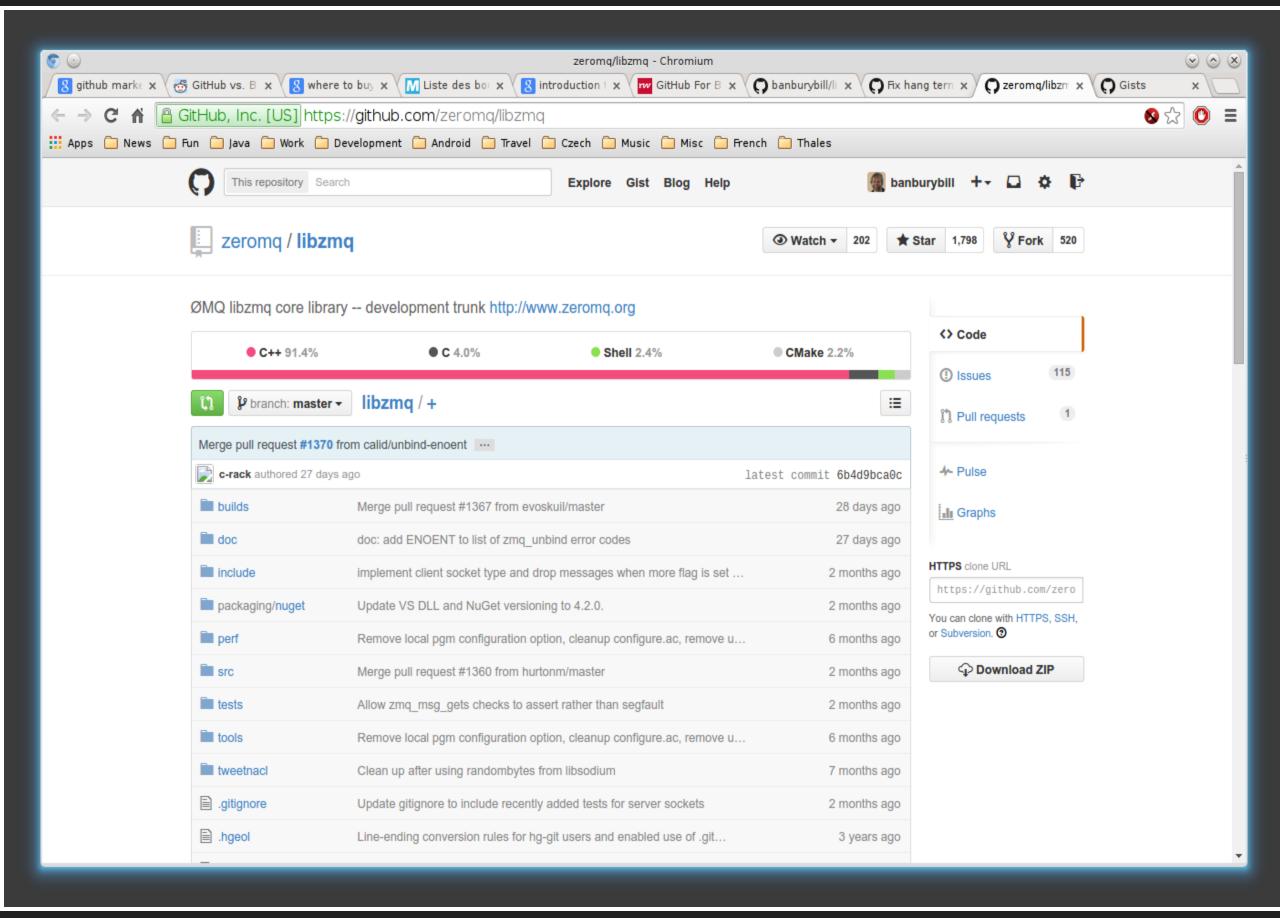


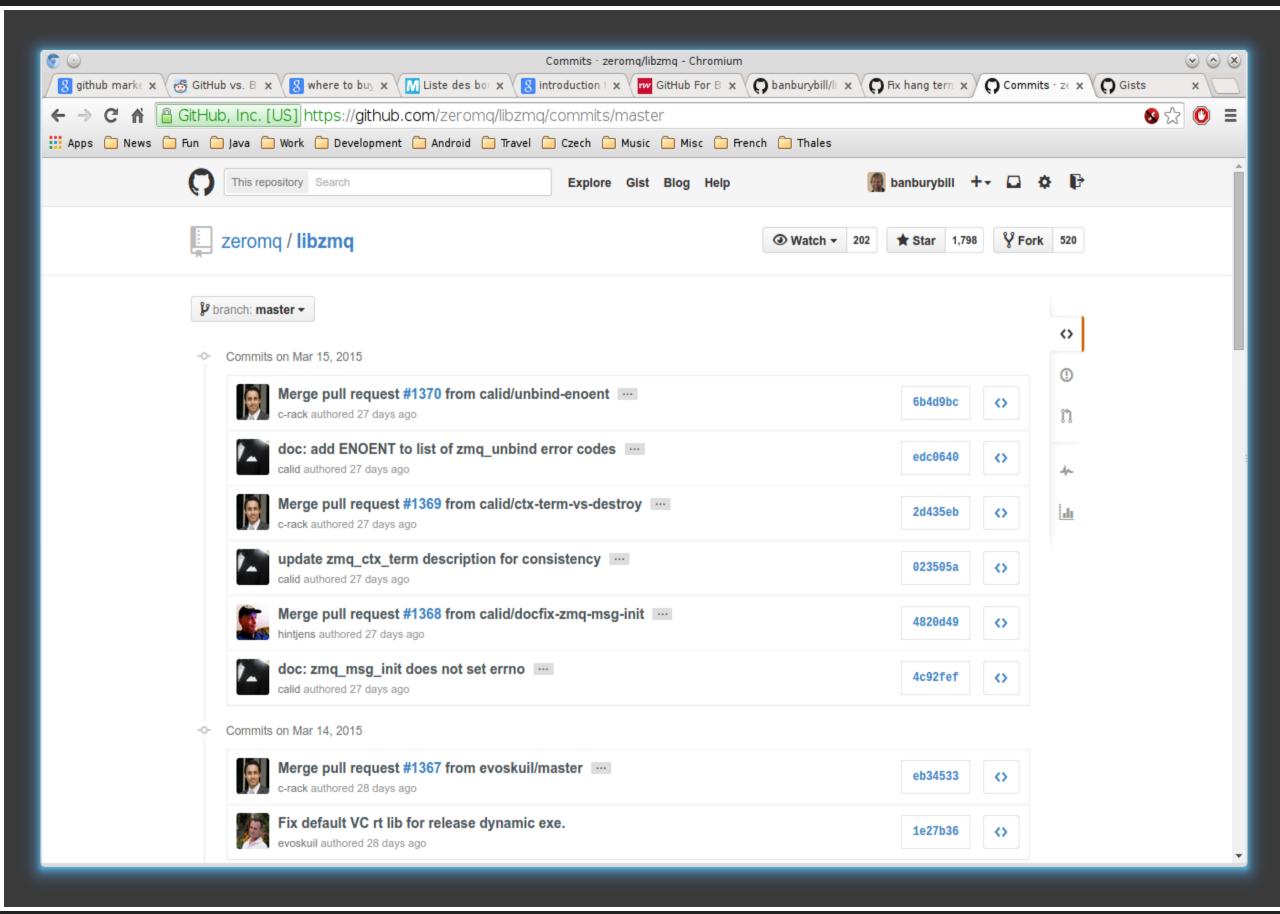
GitHub %

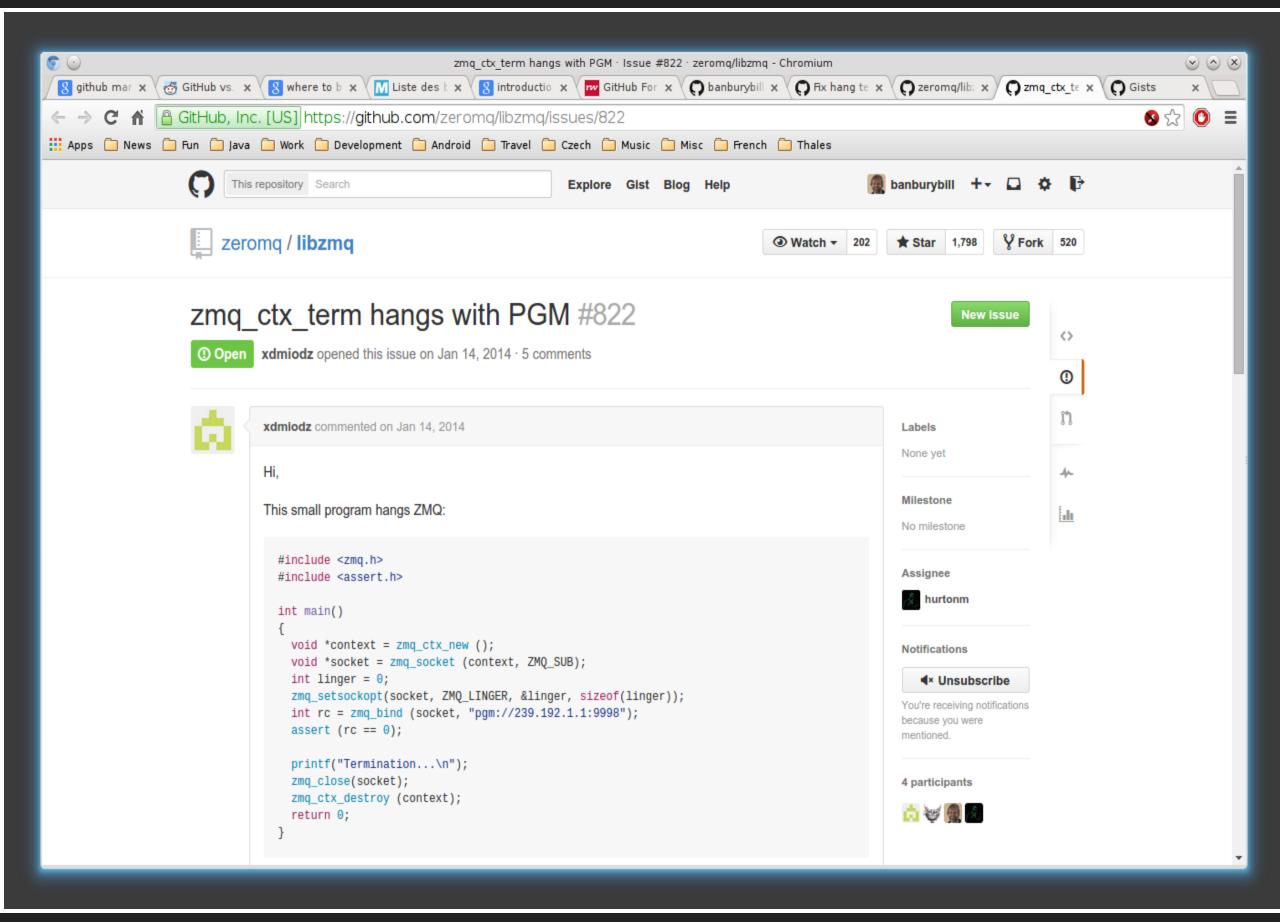
A WALK THROUGH USING GITHUB

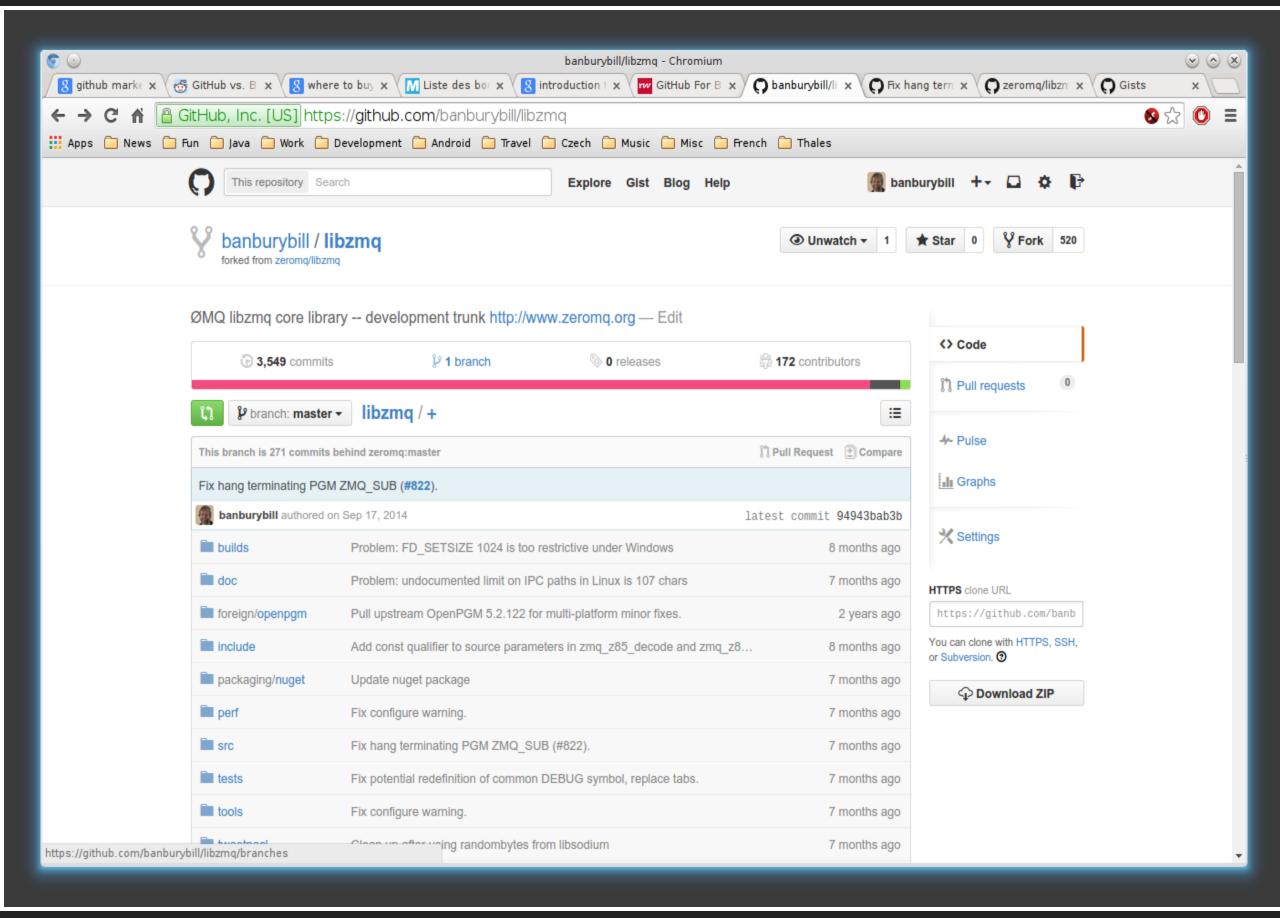


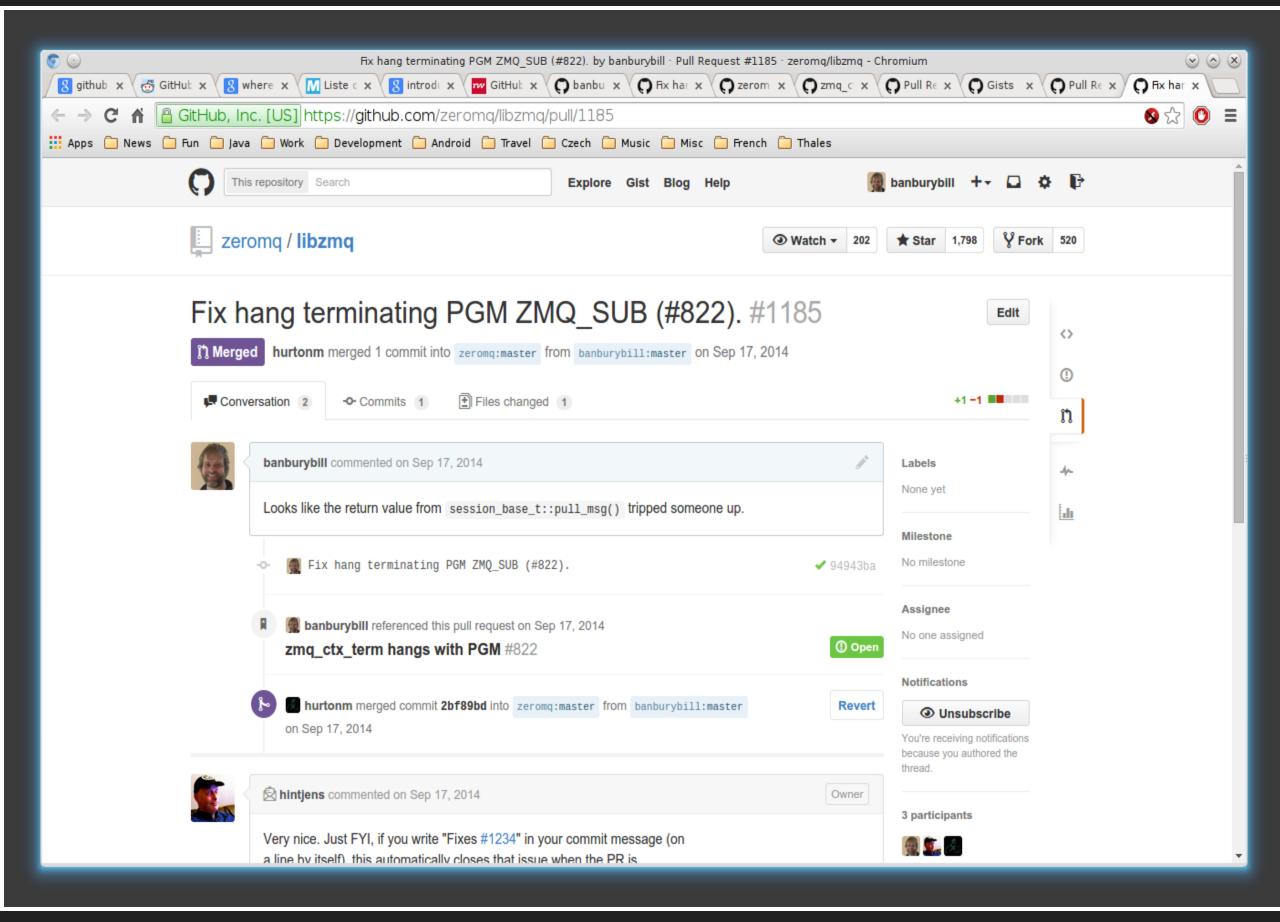


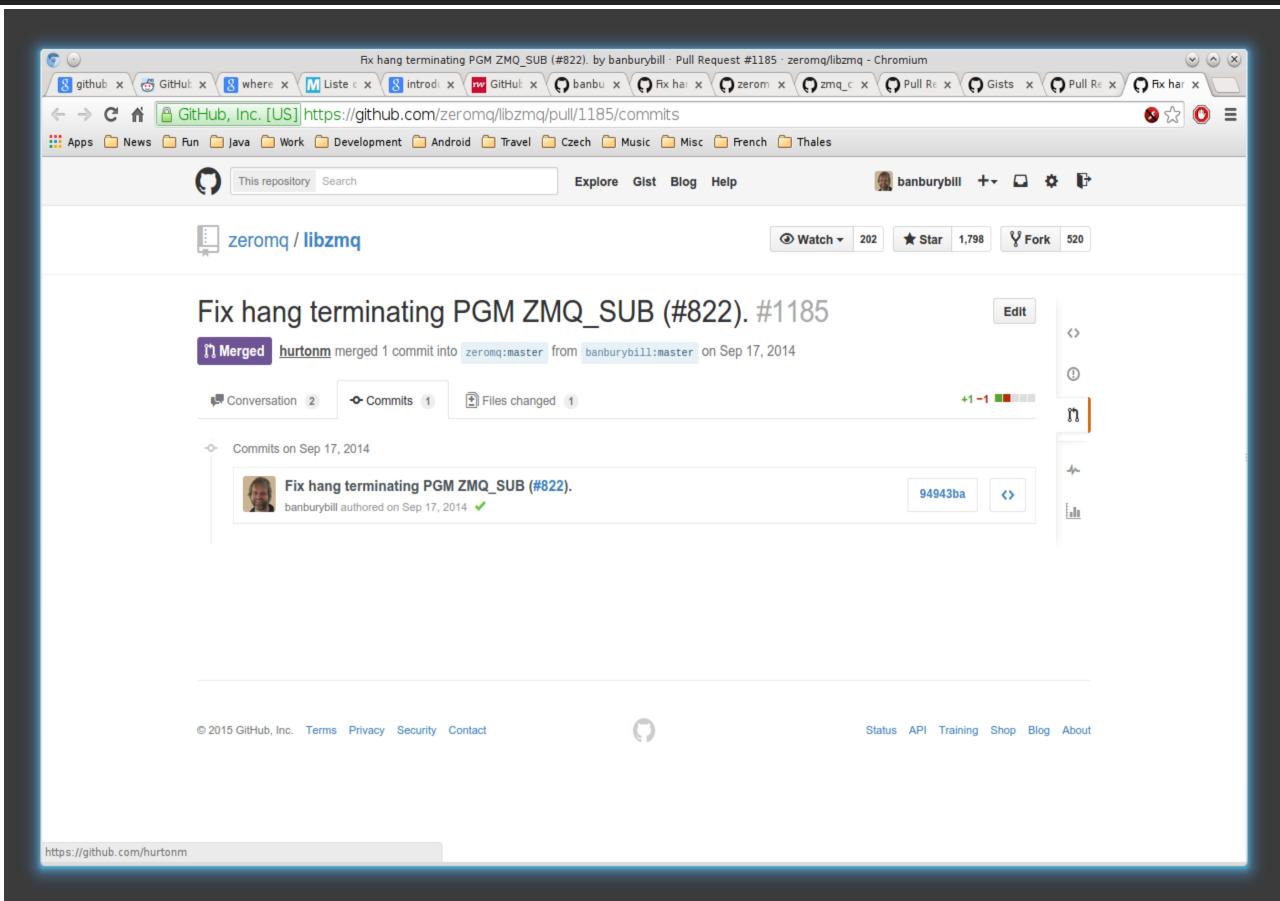


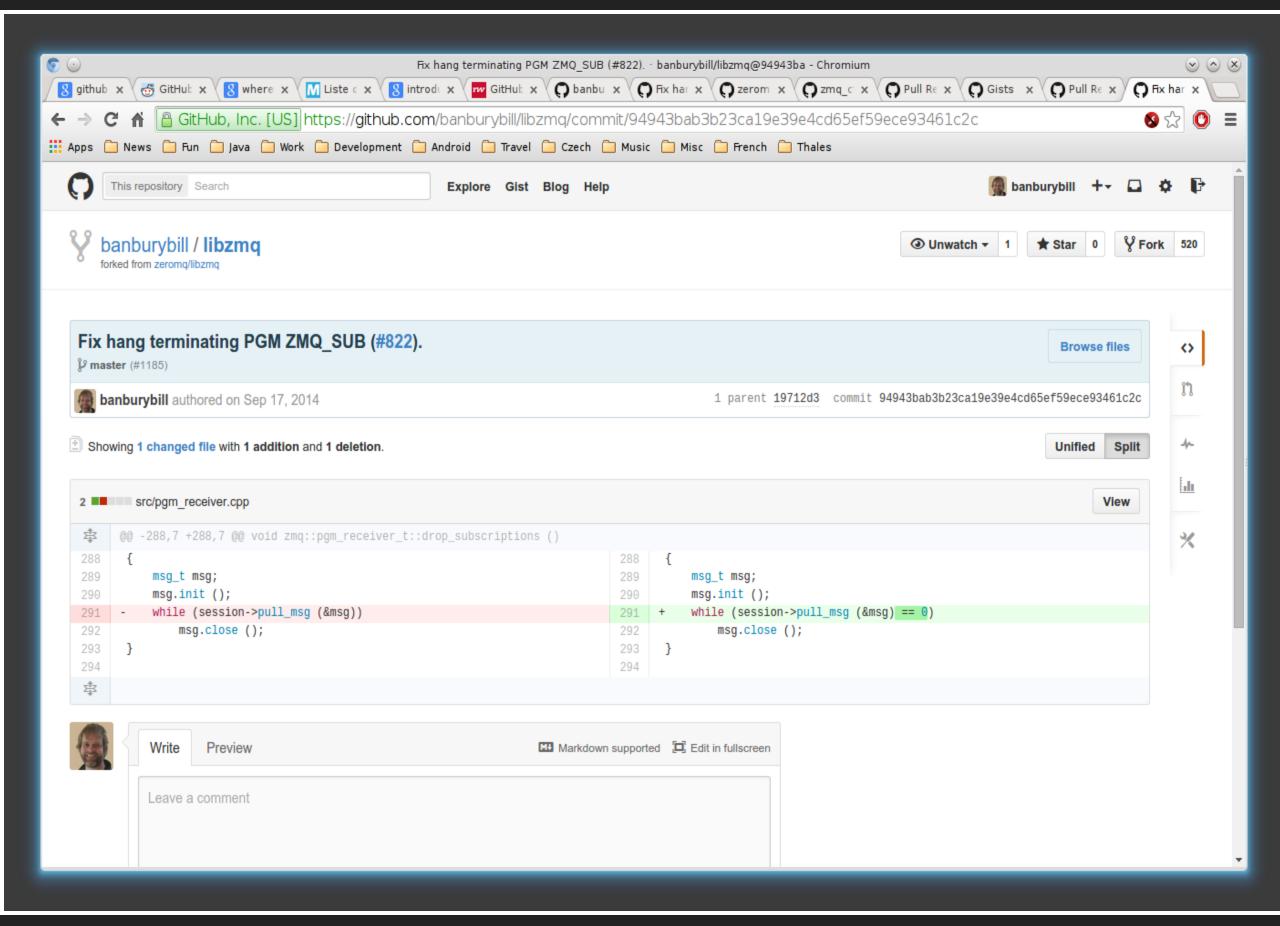










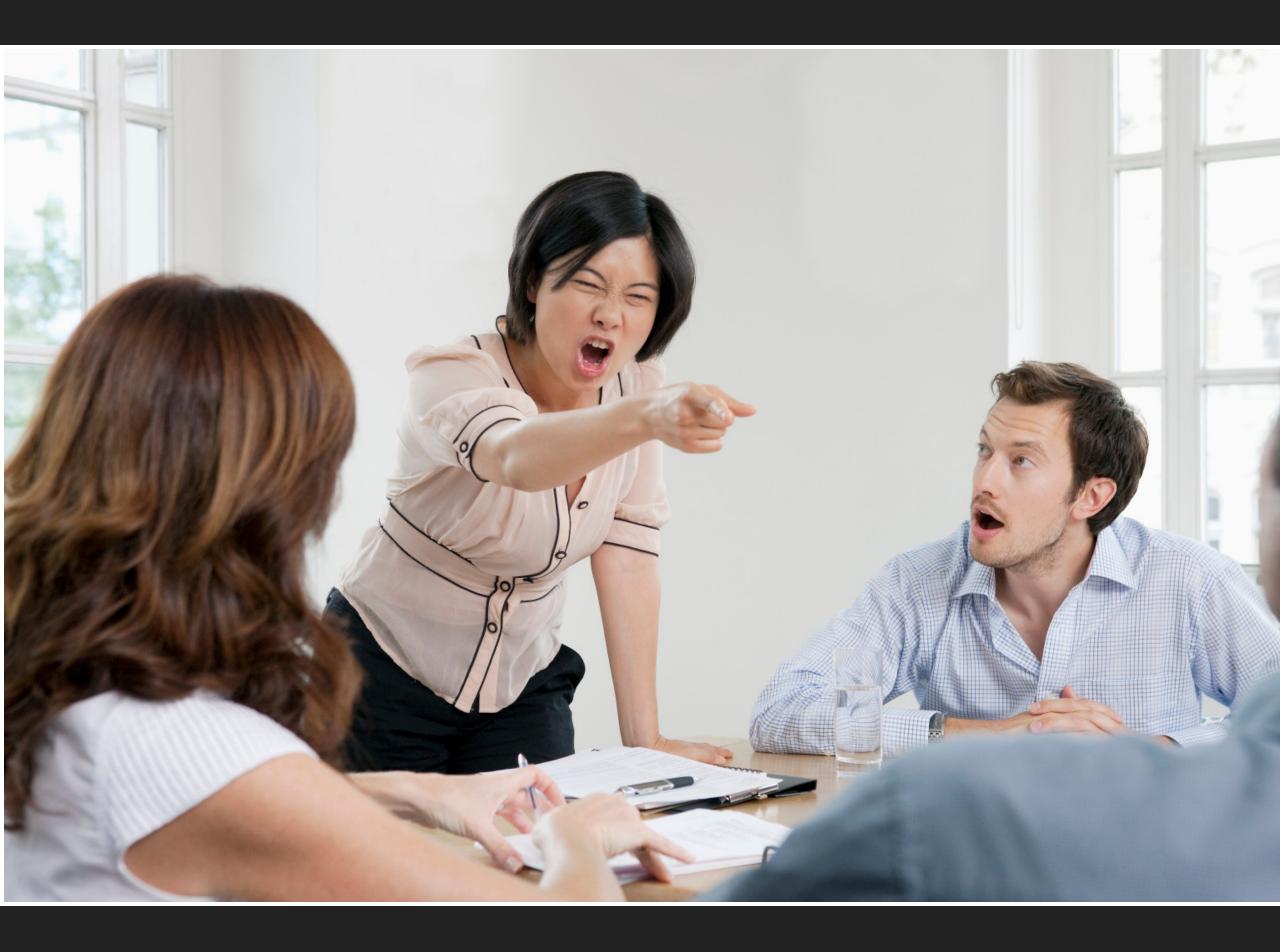


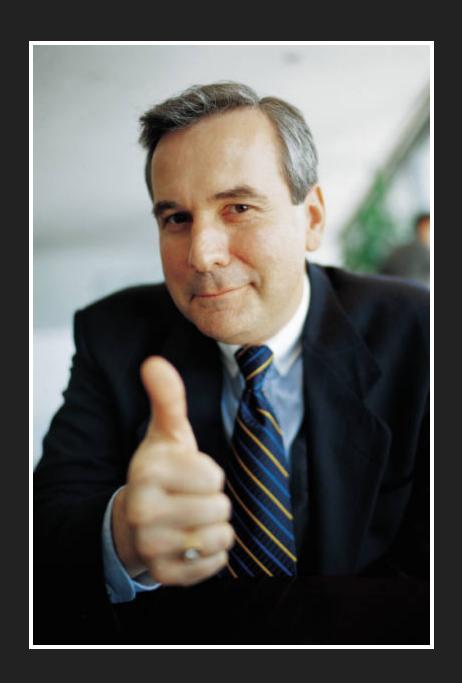
WHY WAS GITHUB SUCCESSFUL?

- It made Git useable.
- The Fork+PullRequest workflow.

SO, WHY NOT USE GITHUB?





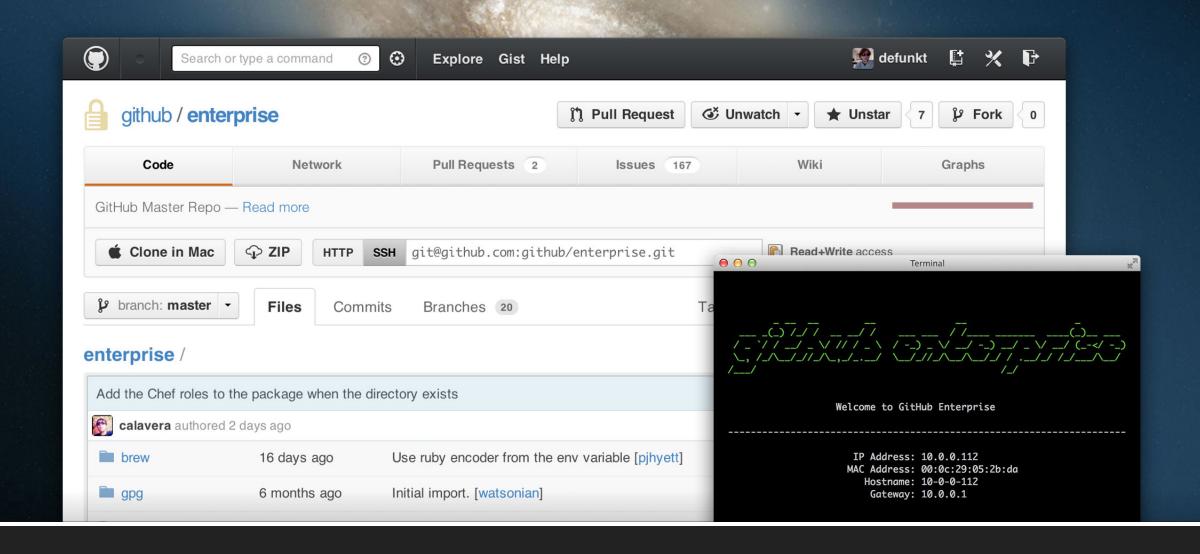




GitHub Enterprise

The best way to build and ship software, on your servers.

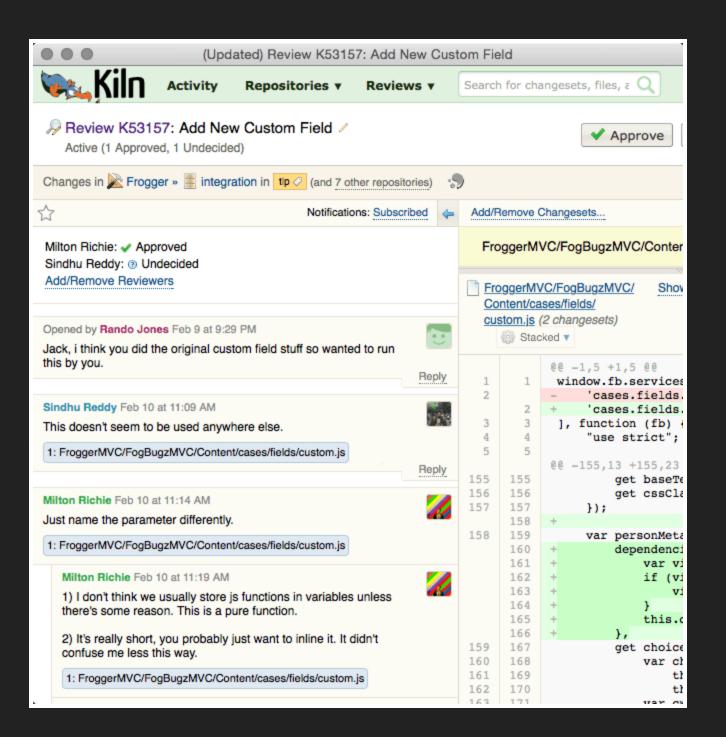
Try it free for 45 days





SO, SOMETHING WE CAN HOST INTERNALLY. WHAT DO I WANT?

- Mercurial support.
- Repository create, browse etc.
- LDAP integration.
- Some sort of review mechanism.
- Prefer Open Source.



OPEN SOURCE OPTIONS

- GitLab
- Gitorious
- RhodeCode
- Phabricator

OPEN SOURCE OPTIONS

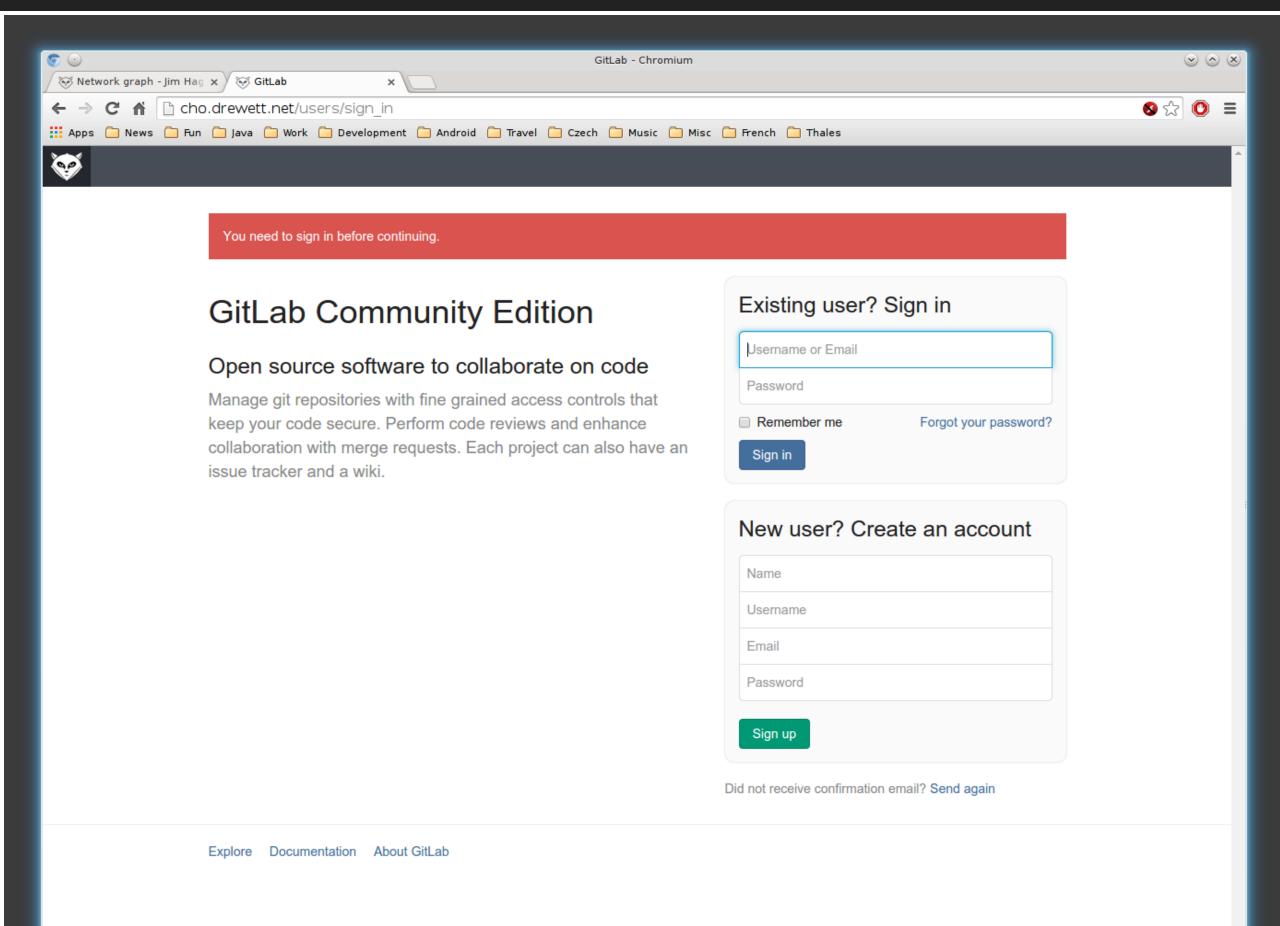
- GitLab
- Gitorious
- RhodeCodeKallithea
- Phabricator

GITLAB

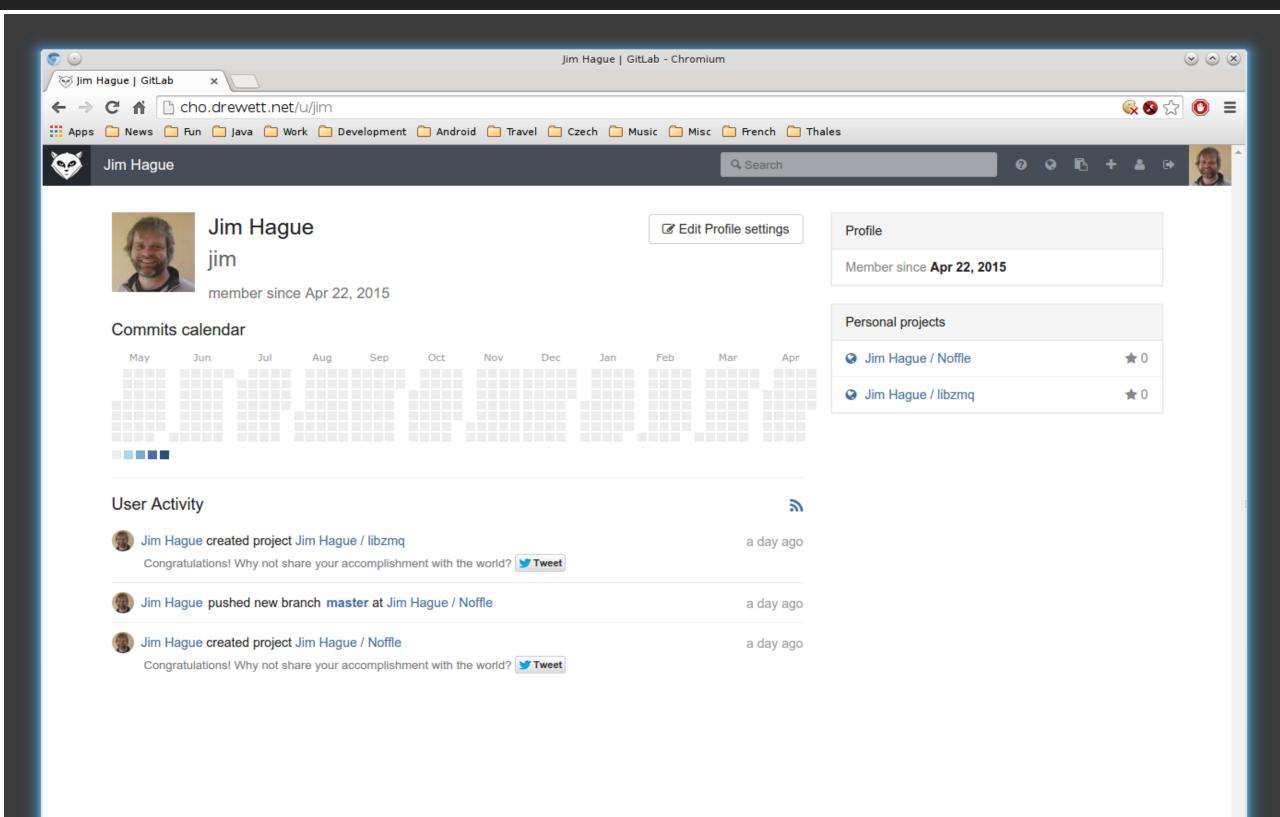
- www.gitlab.com
- Ruby on Rails
- Hosted on GitHub
- MIT licence

GITLAB FEATURES

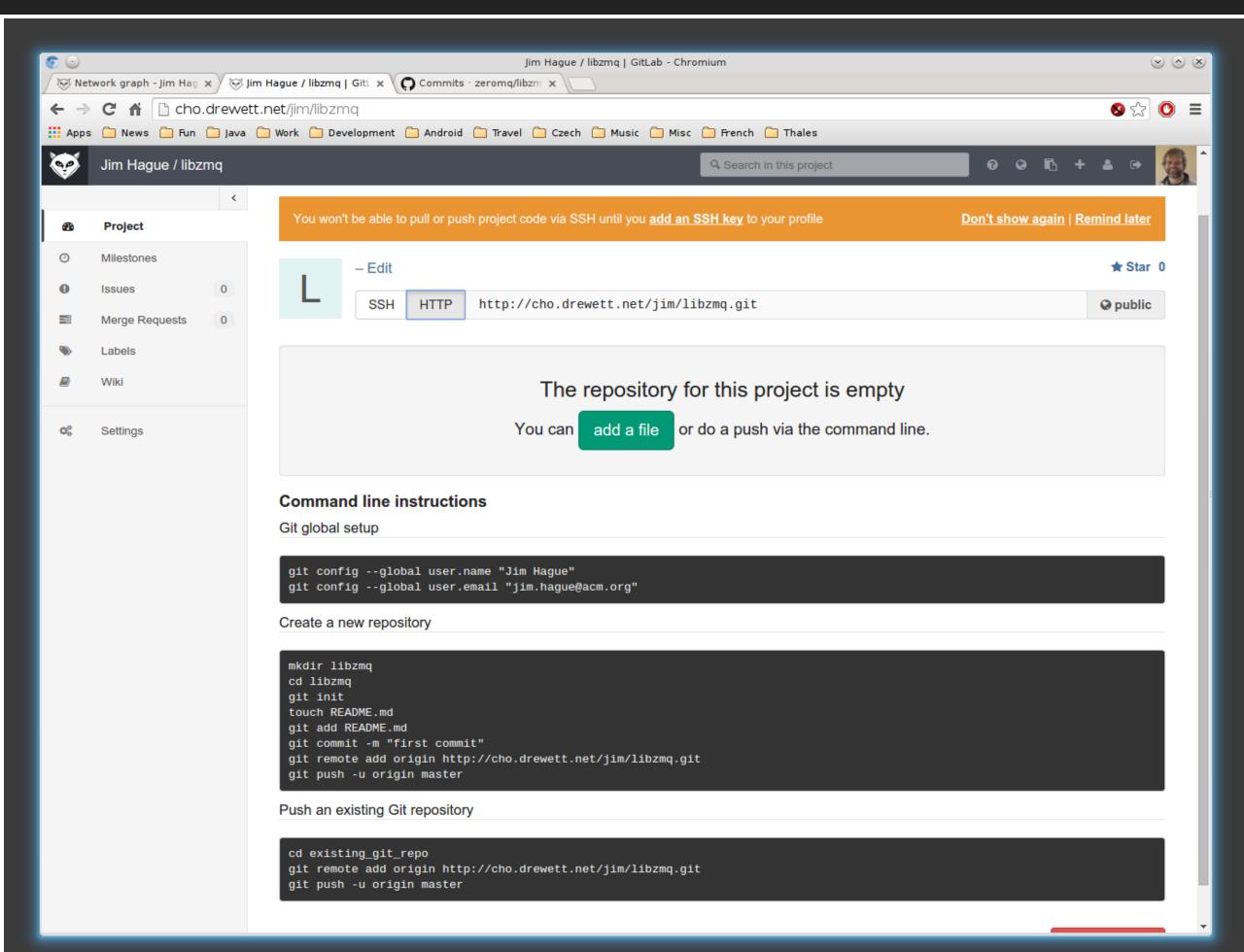
- Repository management Git only
- Code reviews
- Issue tracker
- Code snippets (gists)
- Wikis



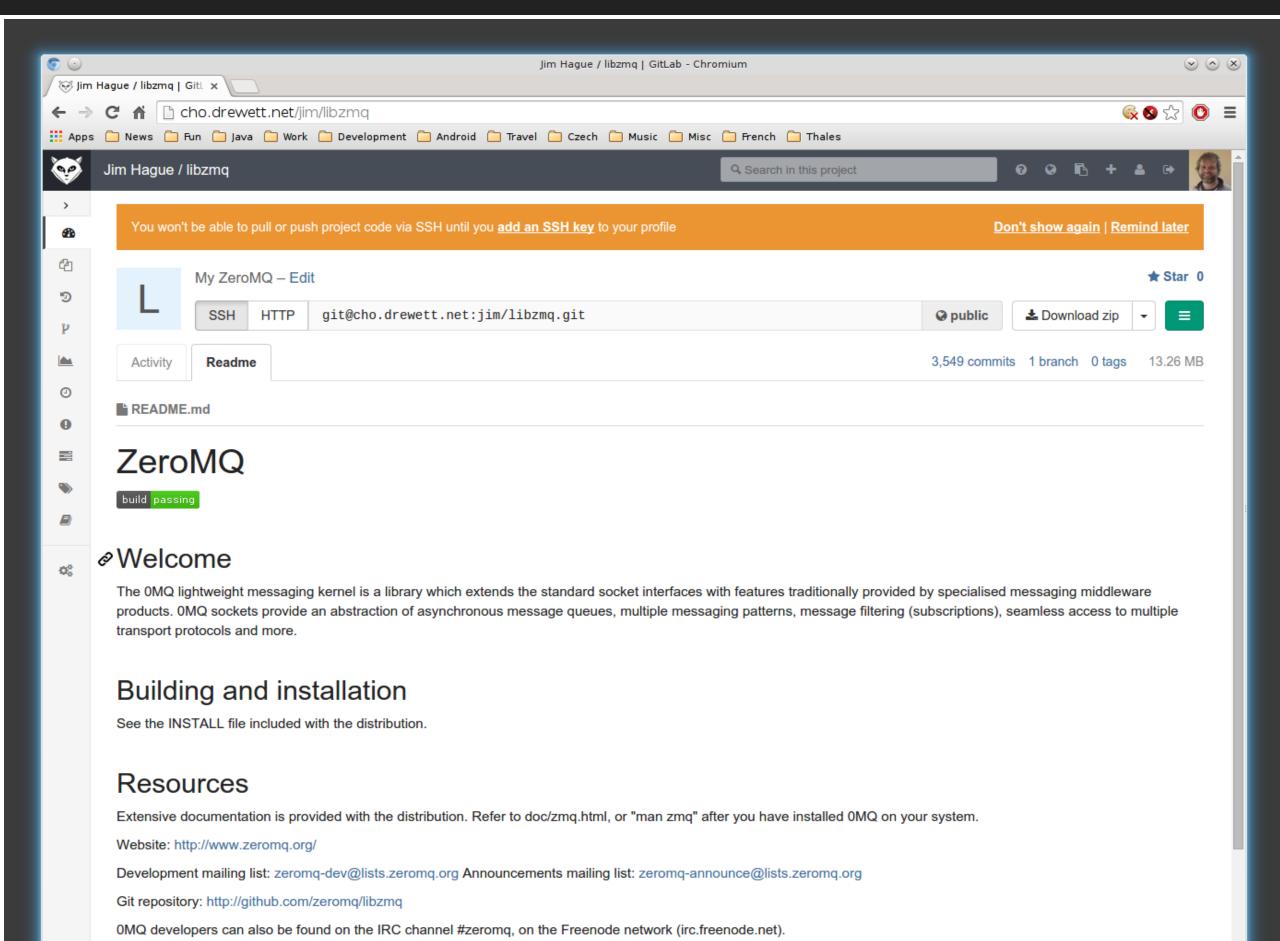




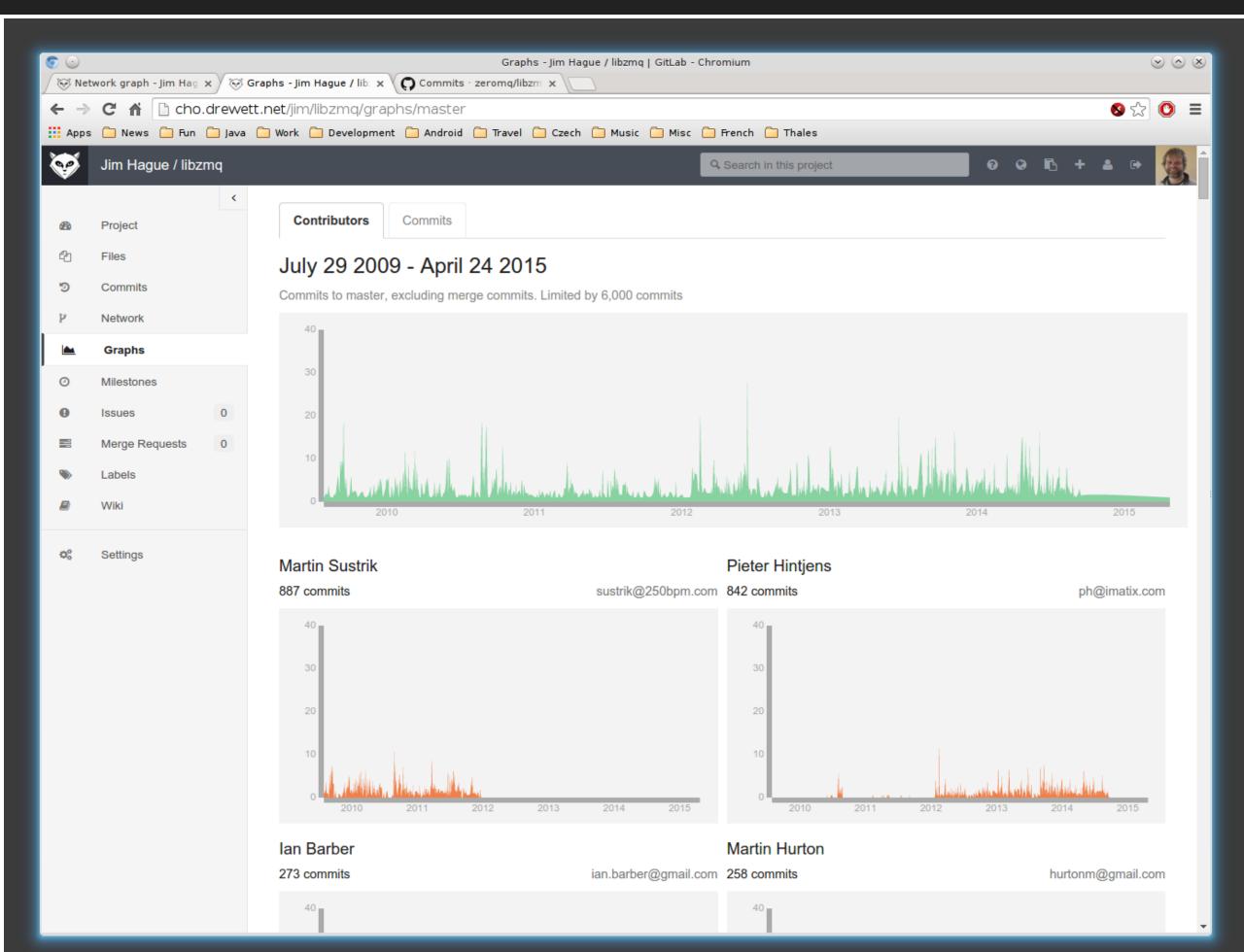




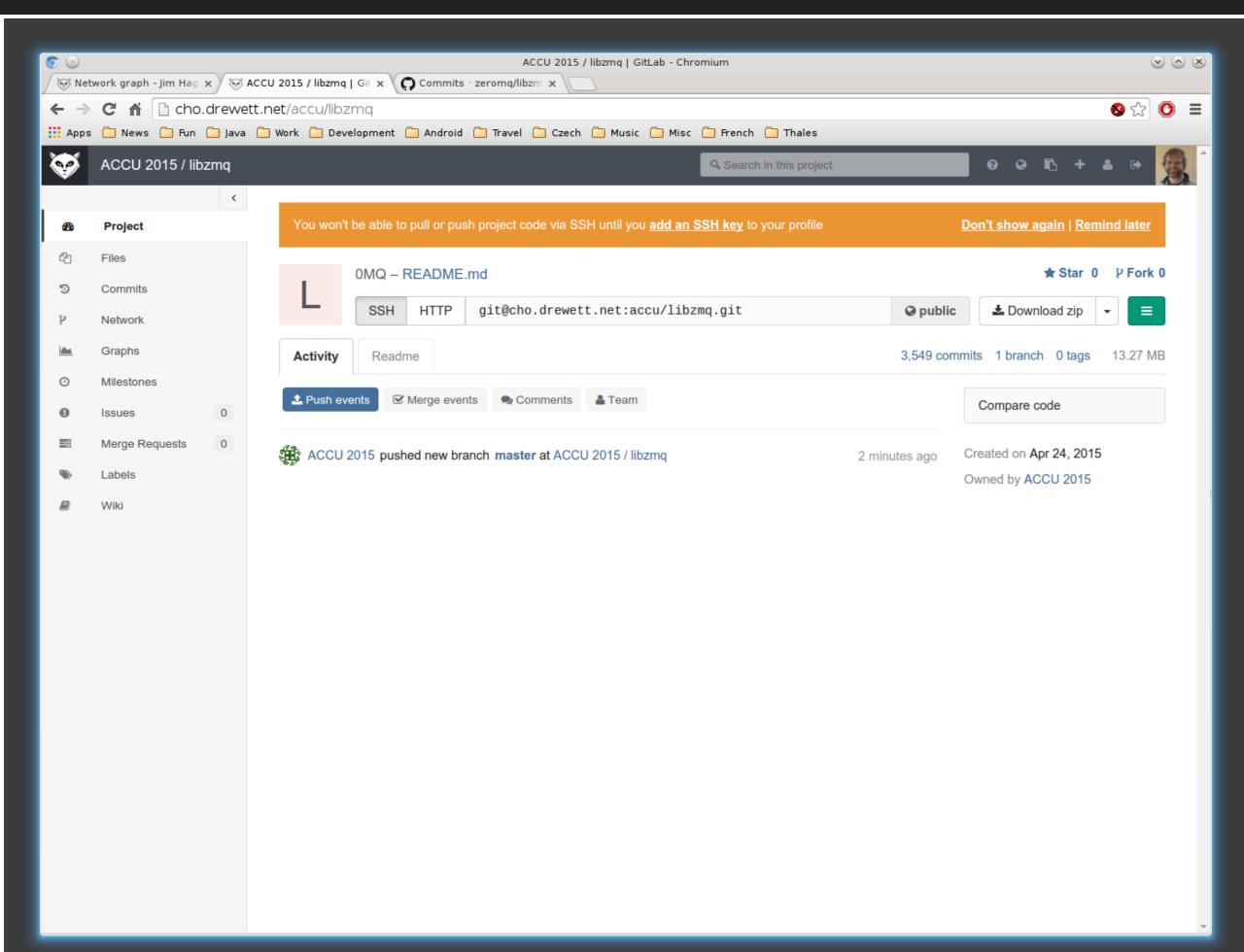




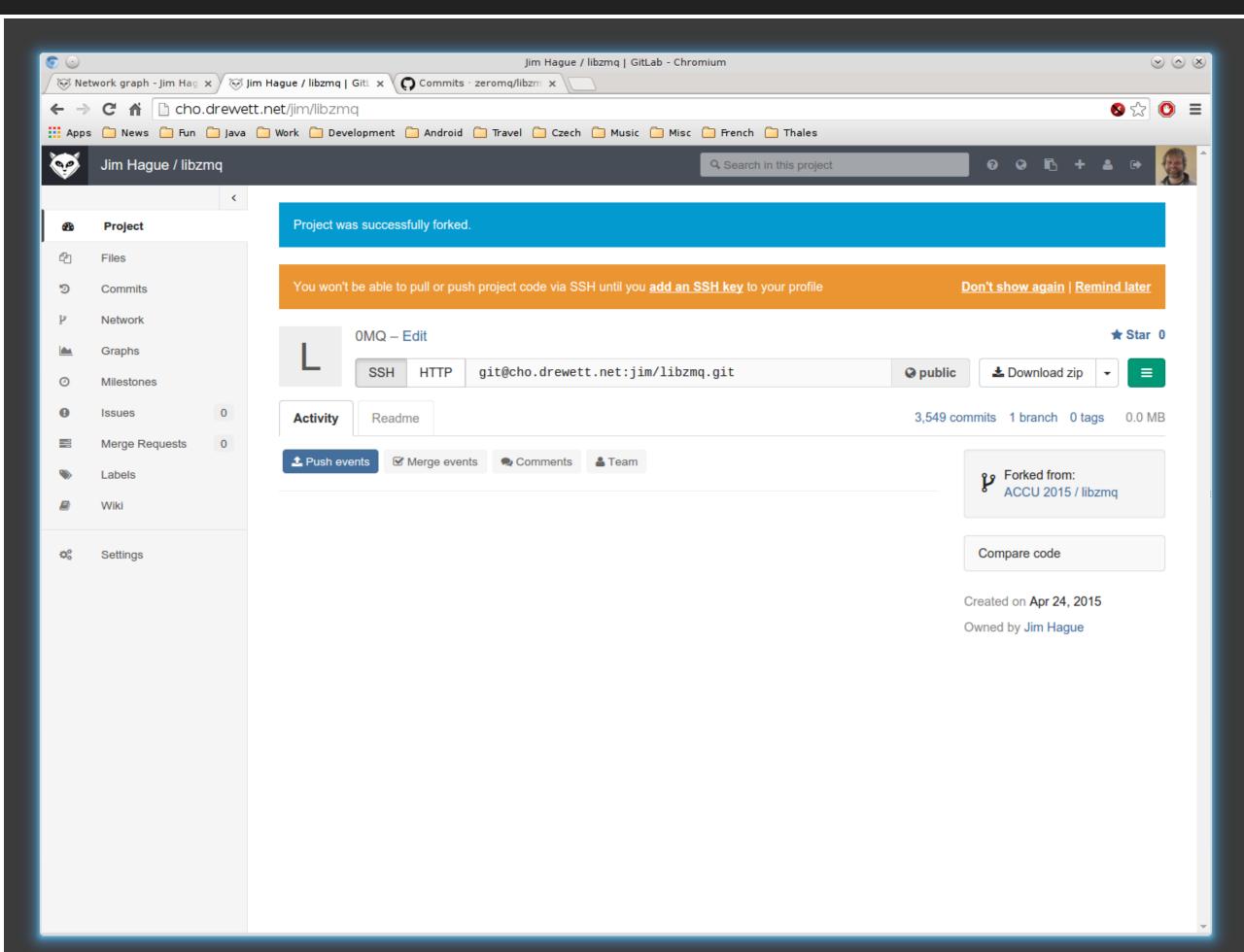




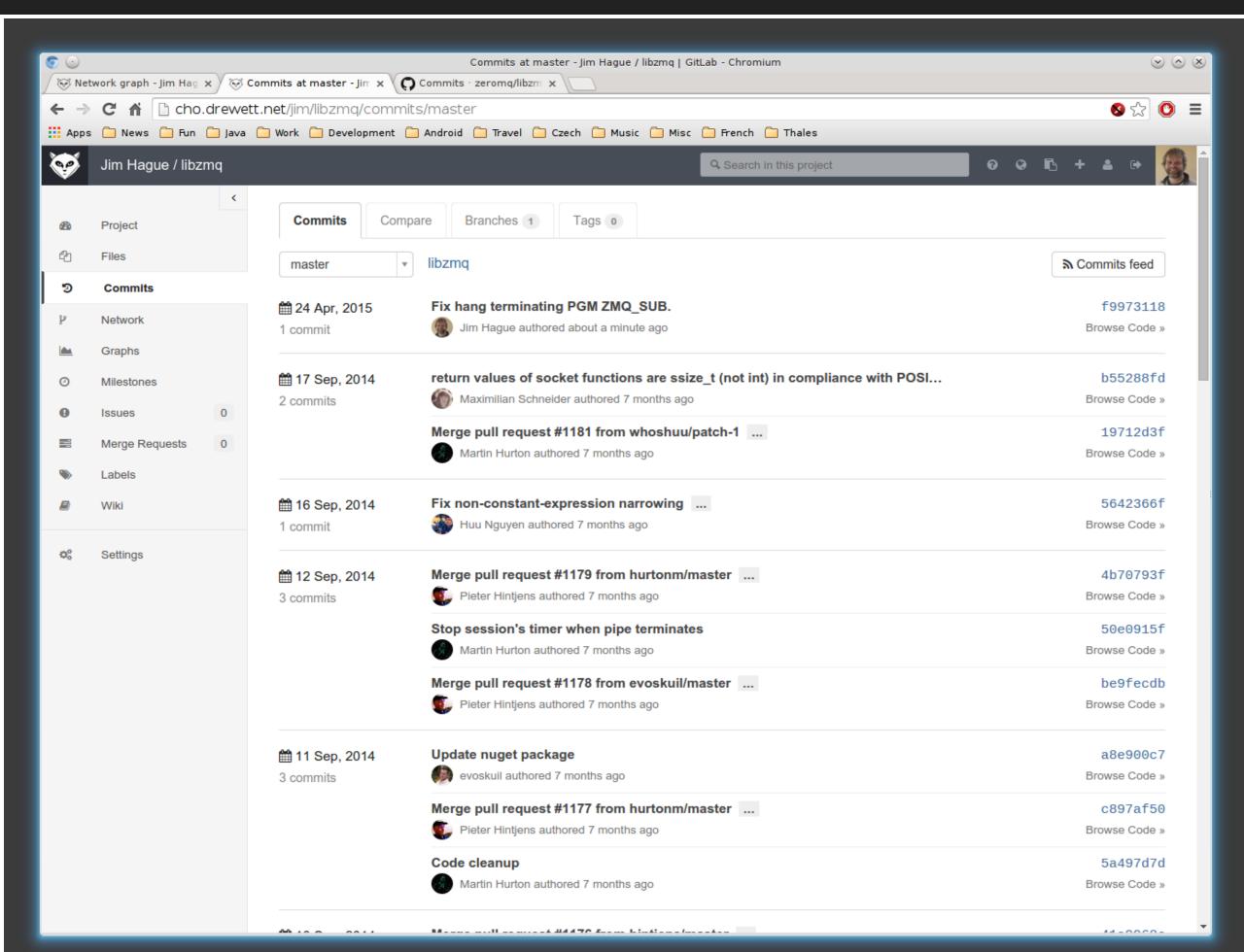




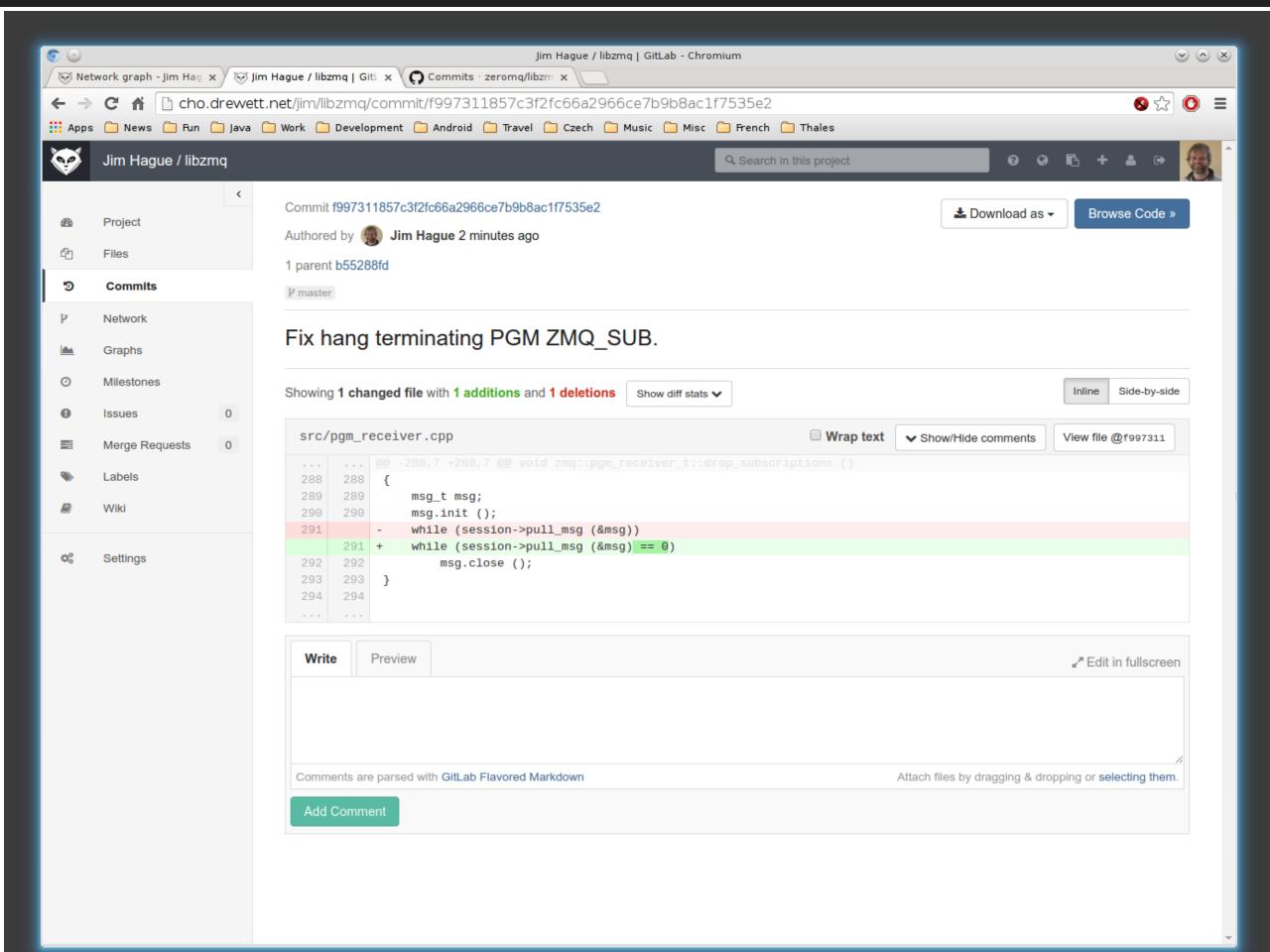




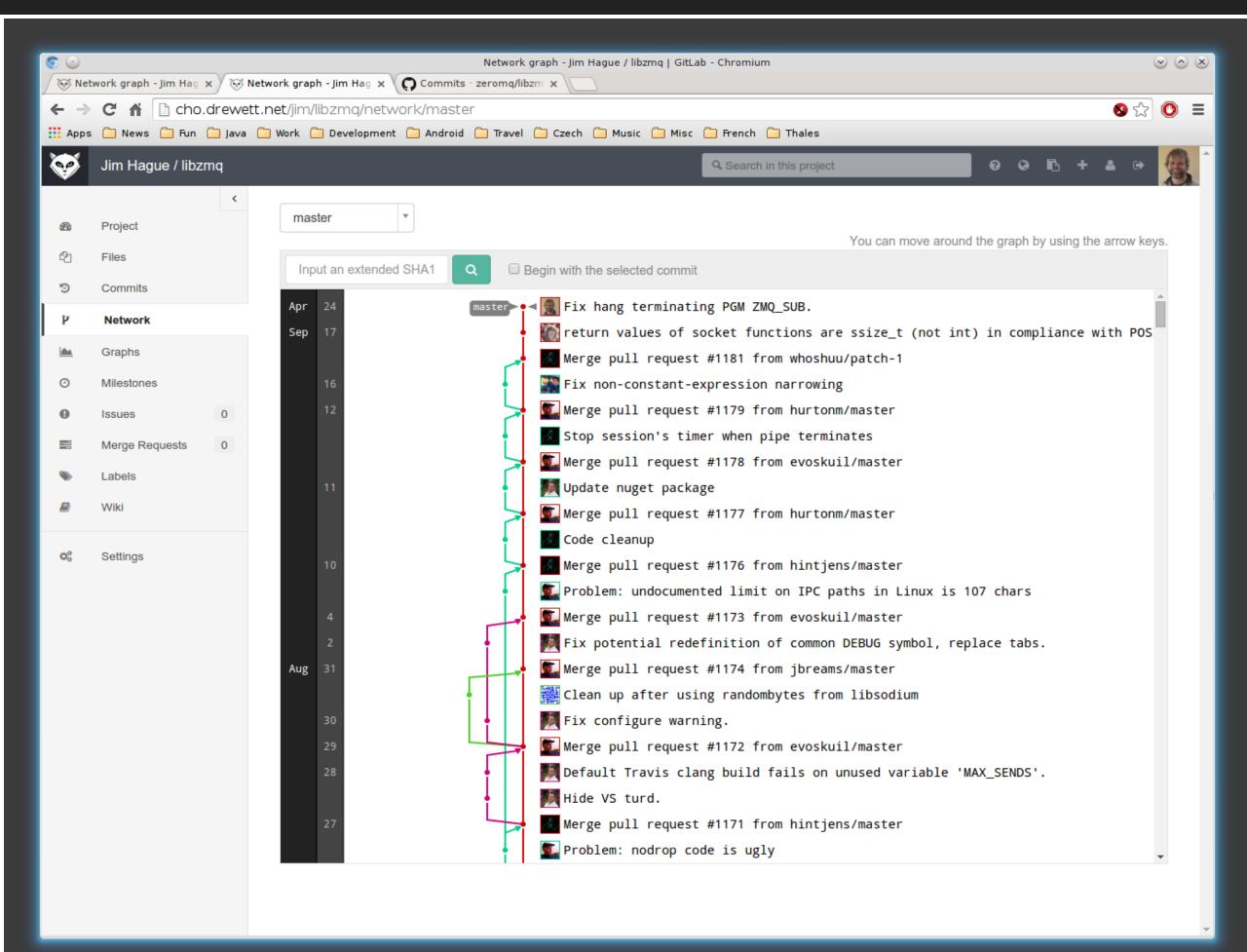




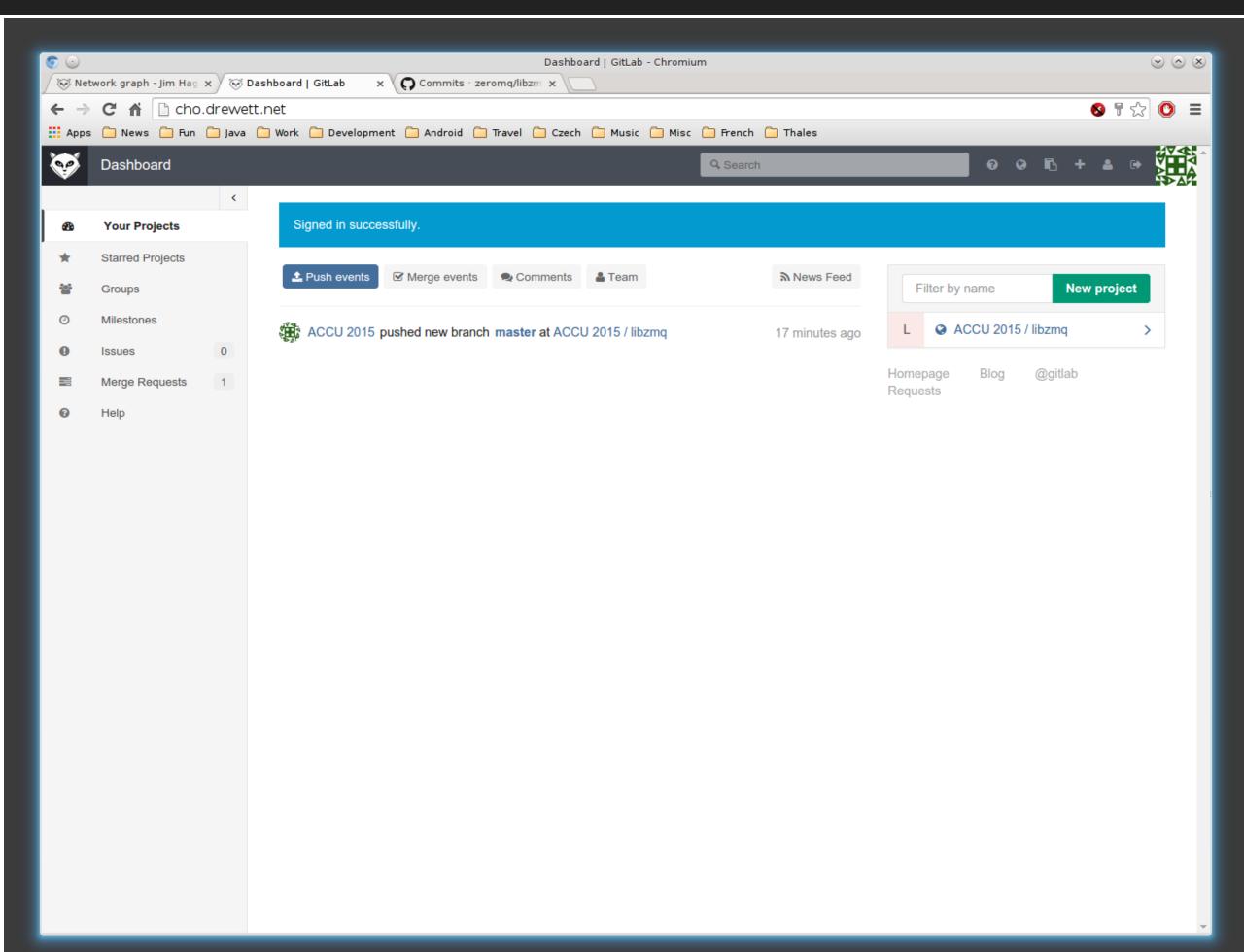




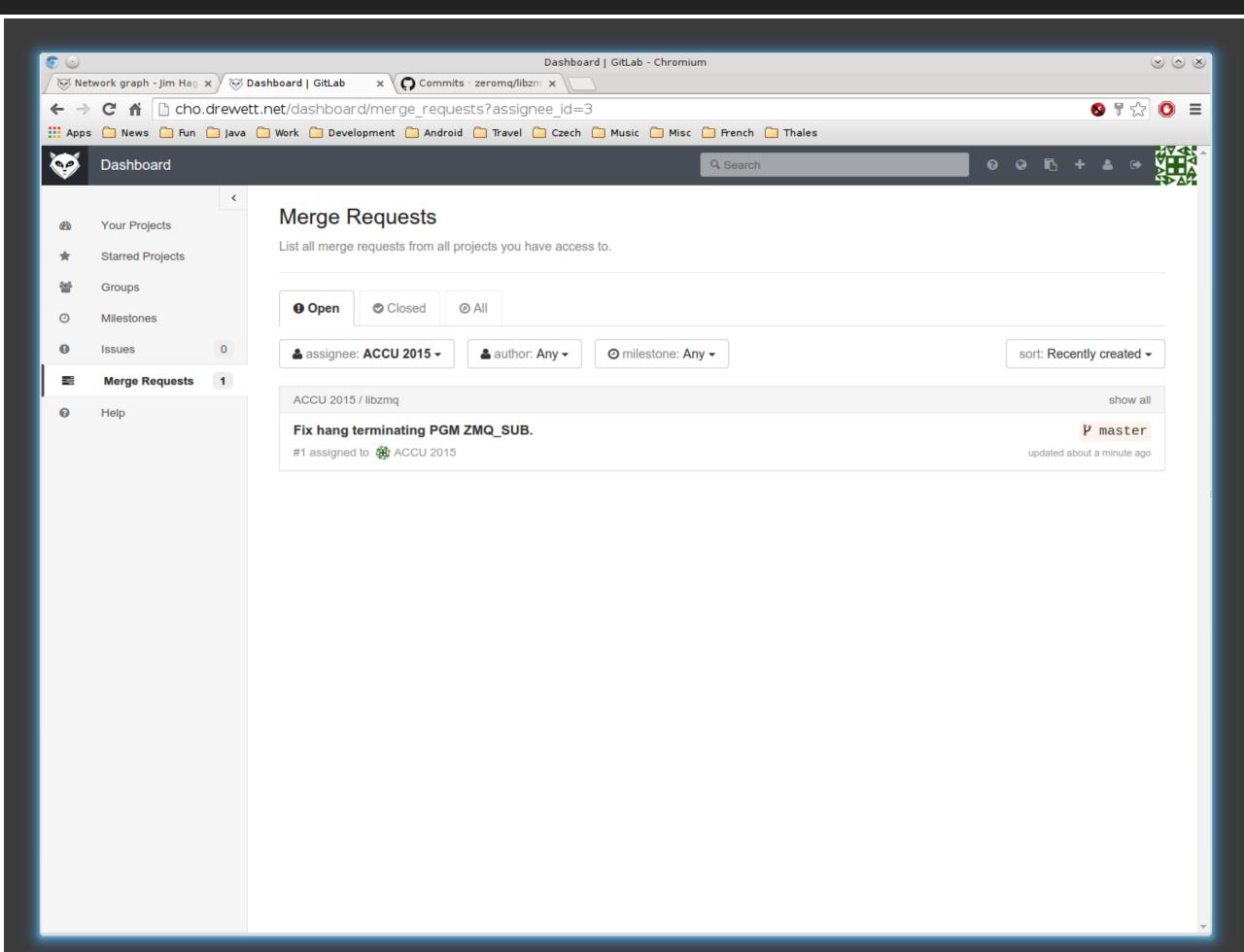




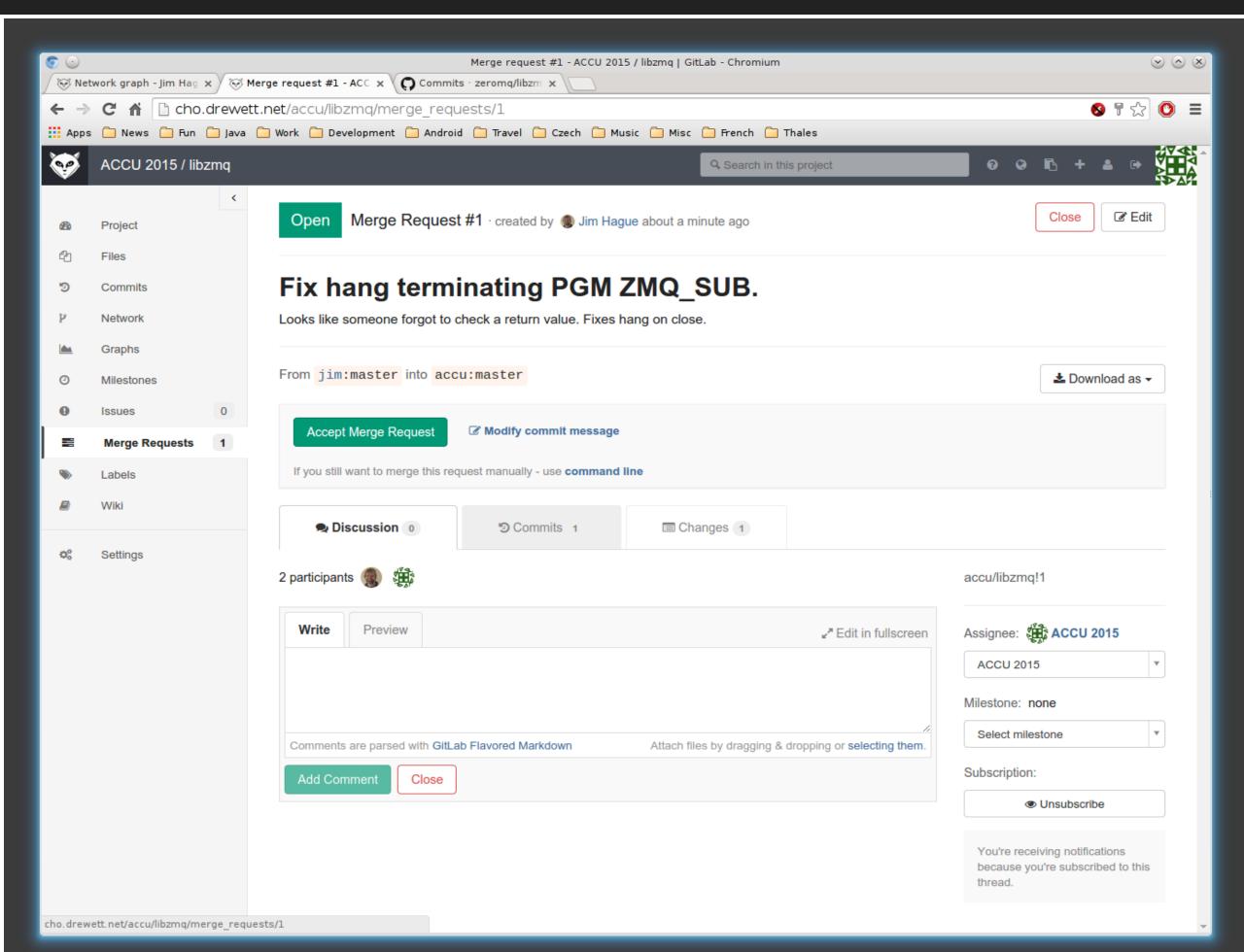












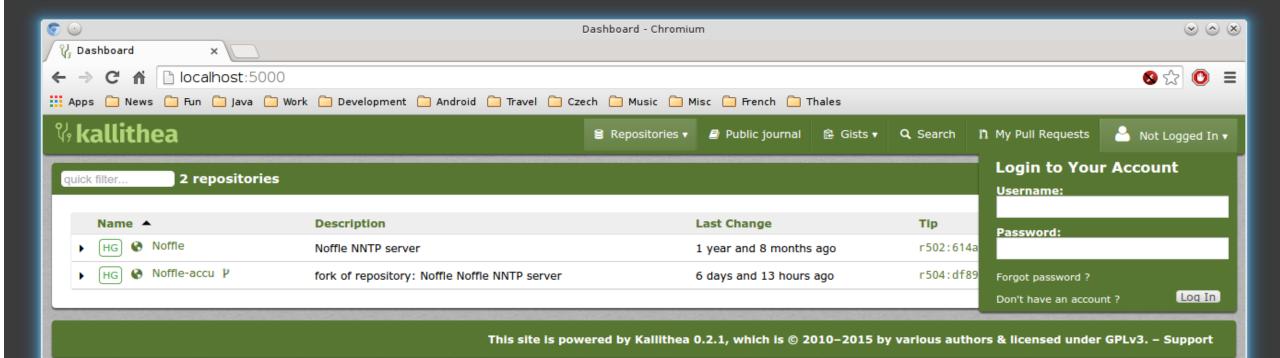


KALLITHEA

- www.kallithea-scm.org
- Python/Pylons
- Self-hosted.
- Mirror and issue tracker on BitBucket.
- GPL3

KALLITHEA FEATURES

- Repository management Mercurial, Git
- Code reviews
- Gists







Ono – Unity repositories Repositories ✓ **J** Journal







11 My Pull Requests 4





1 repositories quick filter...

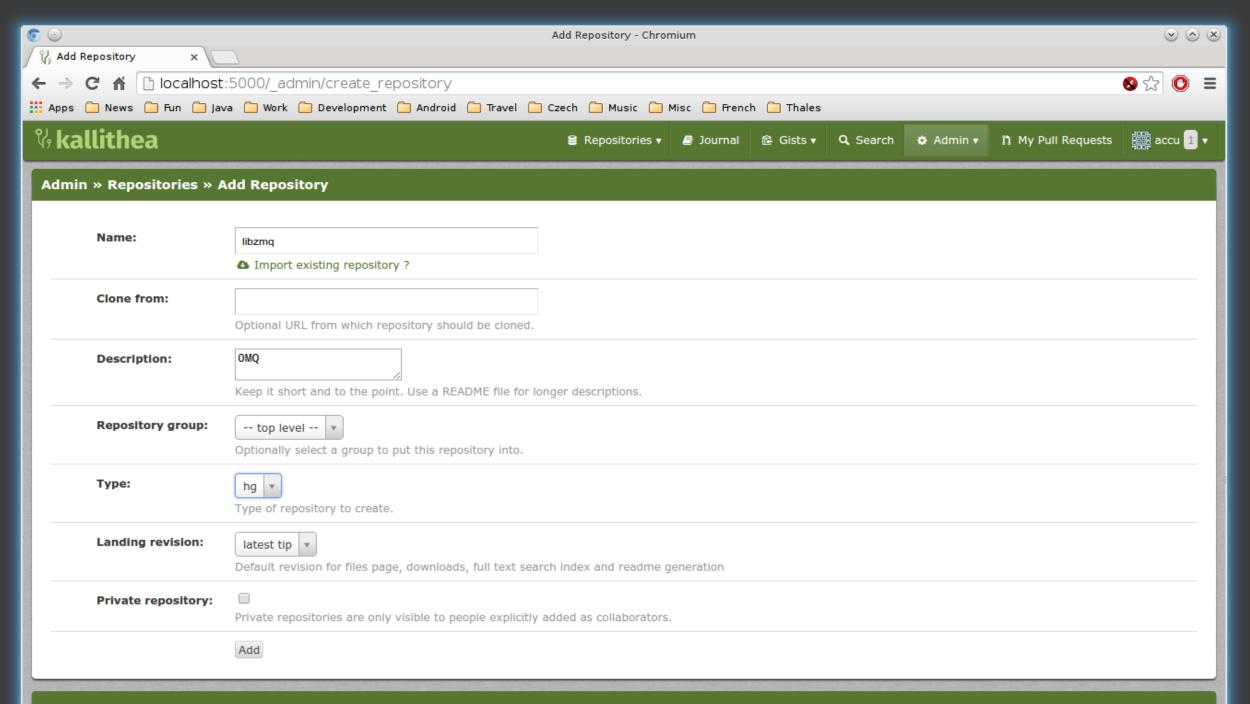
+ Add Repository

Group Name	Description
archive	Old stuff that is dead but should be preserved for future generations.
buildfarm	Contains various repos used in the automation of the build farm.
katana	Contains various repositories related to Katana, our internally-developed buildsystem and continuous integration system.
learn	Learn team repositories
online	Various online activities, webpage, forums, search etc.
test-data	Contains test data for graphics tests, 3d asset import tests, etc.
union	Union related repository (no longer used)
unity	Contains Trunk and all of its branches.
unity-distro	Repositories used for source customers.
unity-extra	Contains 3rd-party source and the source for tools we develop that are related to Unity.
unity-partners	Repositories for external development partners
users	Users repository.

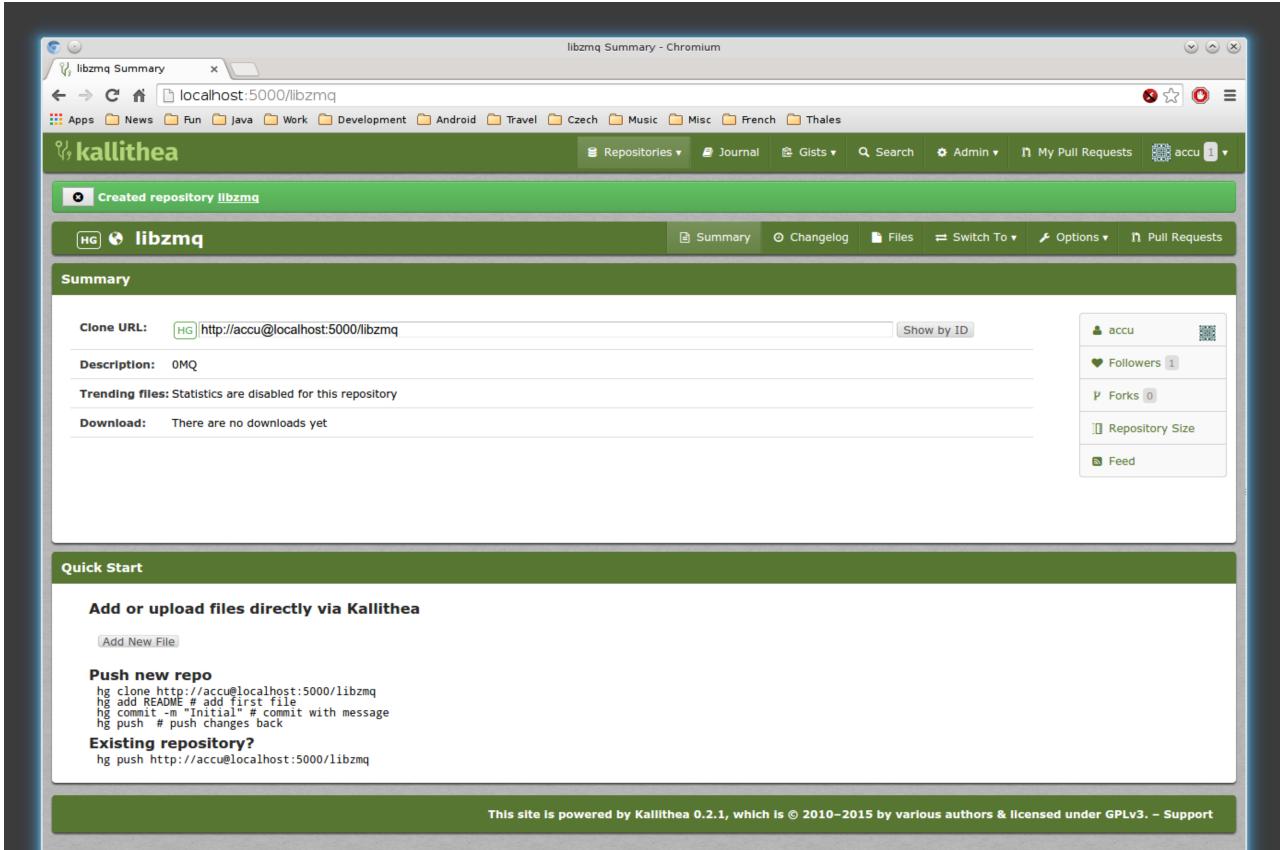
Name 📤	Description	Last Change	Tip	Owner	
▶ HG 《 readme	Unity Sourcecode documentation. Useful for Development Pa	5 months and 3 days ago	r3:67728c20a049	madski	

Server instance: ono-32226

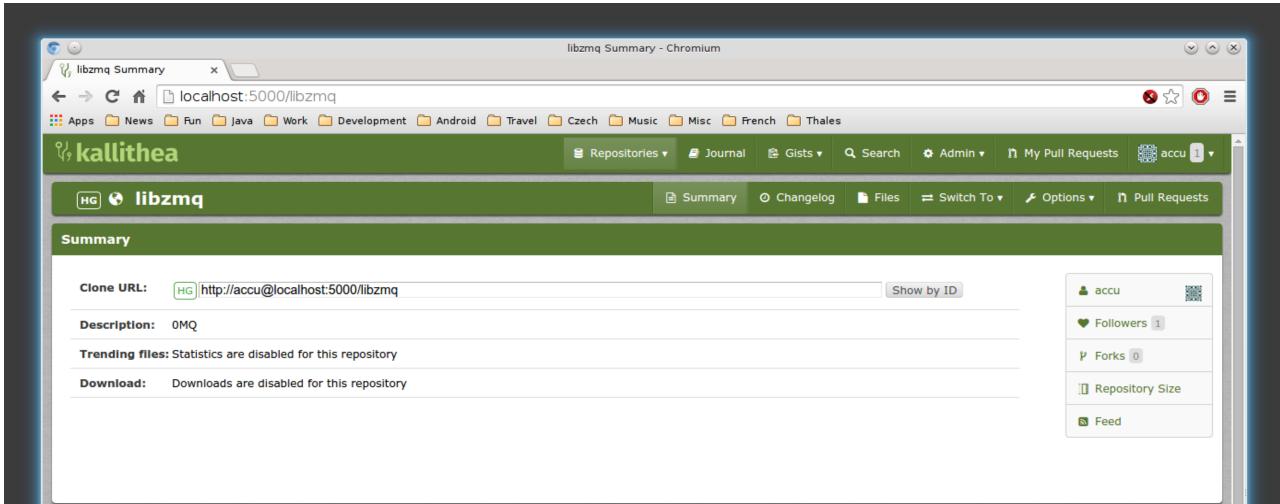
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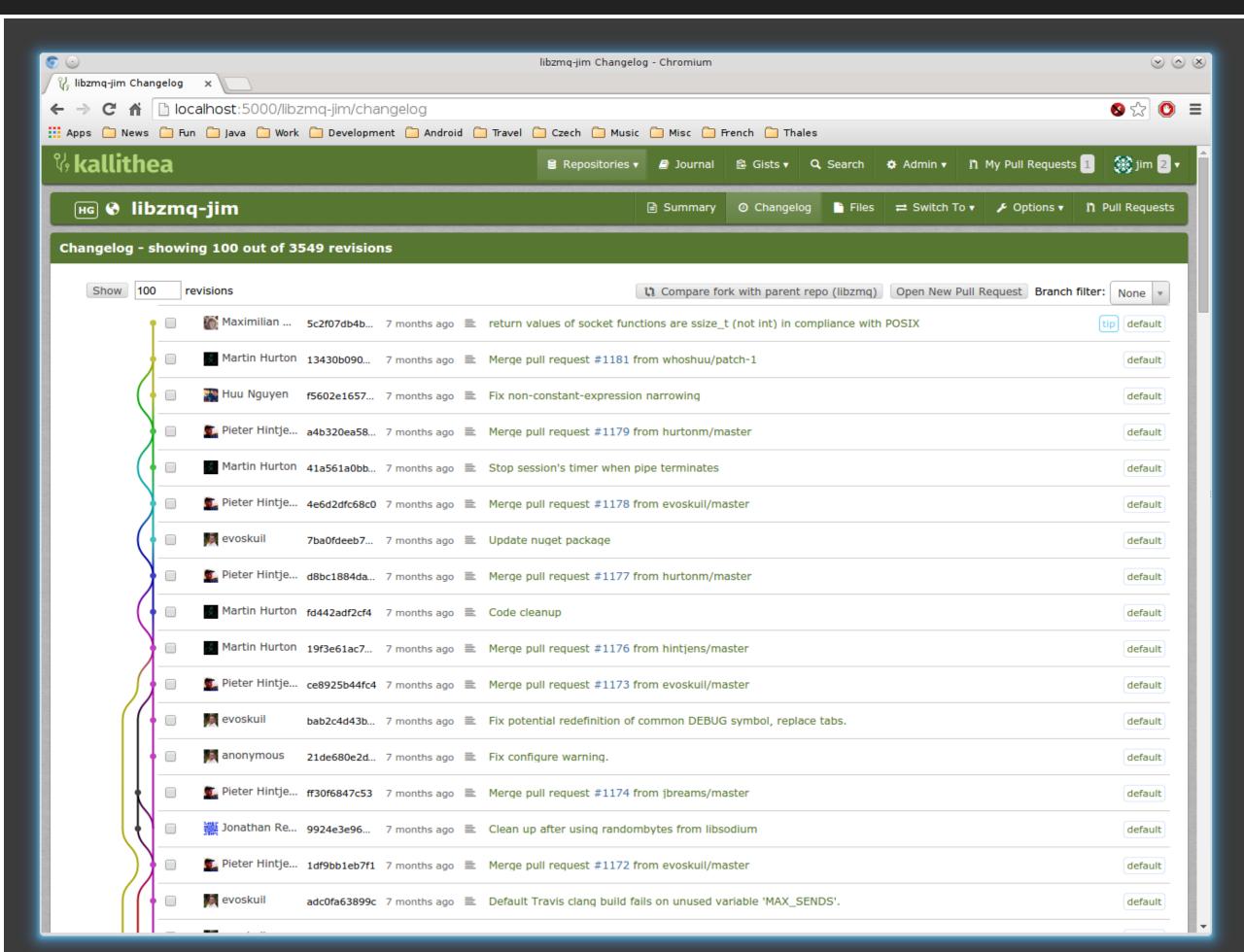




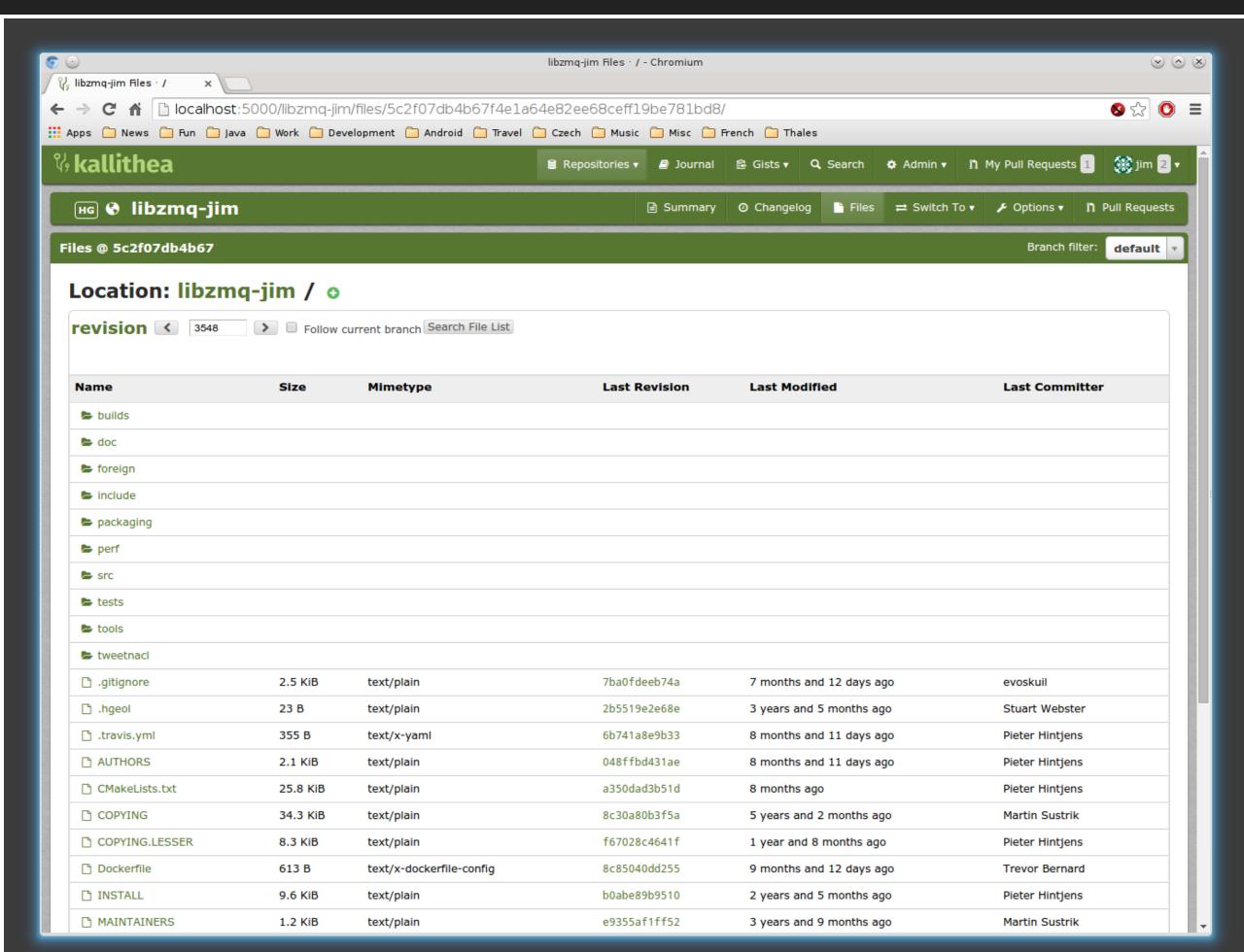
Latest Changes

Revision	Commit Message	Age	Author	Refs
5c2f07db4b67	return values of socket functions are ssize_t (not int) in compliance with POSIX	7 months and 7 days ago	Maximilian Schneider	tip default
13430b0906ed	Merge pull request #1181 from whoshuu/patch-1	7 months and 7 days ago	Martin Hurton	default
f5602e1657e3	Fix non-constant-expression narrowing	7 months and 7 days ago	Huu Nguyen	default
a4b320ea5845	Merge pull request #1179 from hurtonm/master	7 months and 11 days ago	Pieter Hintjens	default
41a561a0bb56	Stop session's timer when pipe terminates	7 months and 11 days ago	Martin Hurton	default
4e6d2dfc68c0	Merge pull request #1178 from evoskuil/master	7 months and 12 days ago	Pieter Hintjens	default
7ba0fdeeb74a	Update nuget package	7 months and 12 days ago	evoskuil	default
d8bc1884dad7	Merge pull request #1177 from hurtonm/master	7 months and 12 days ago	Pieter Hintjens	default
fd442adf2cf4	Code cleanup	7 months and 12 days ago	Martin Hurton	default
19f3e61ac79e	Merge pull request #1176 from hintjens/master	7 months and 13 days ago	Martin Hurton	default

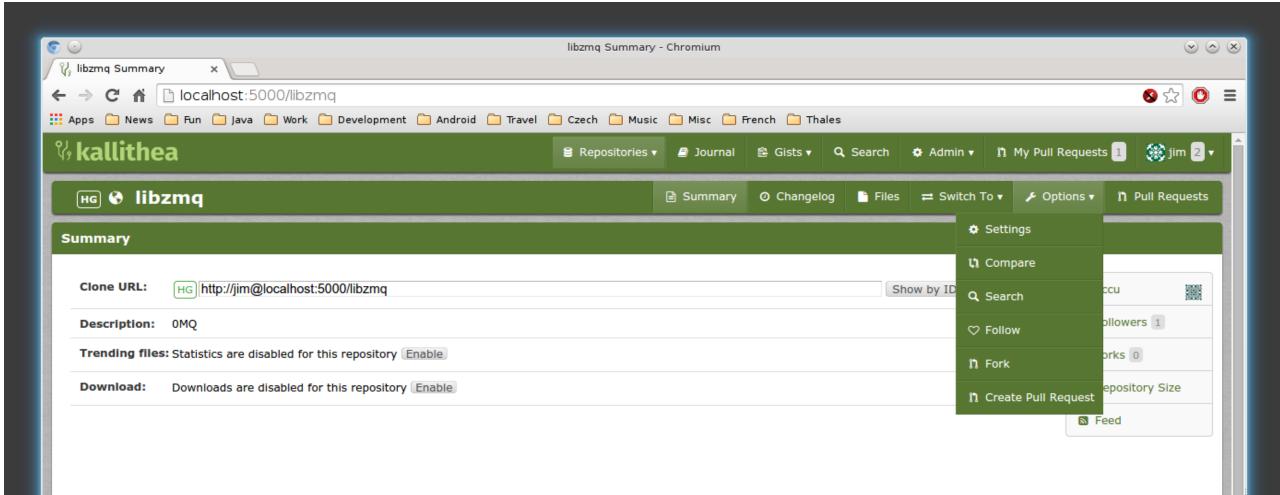








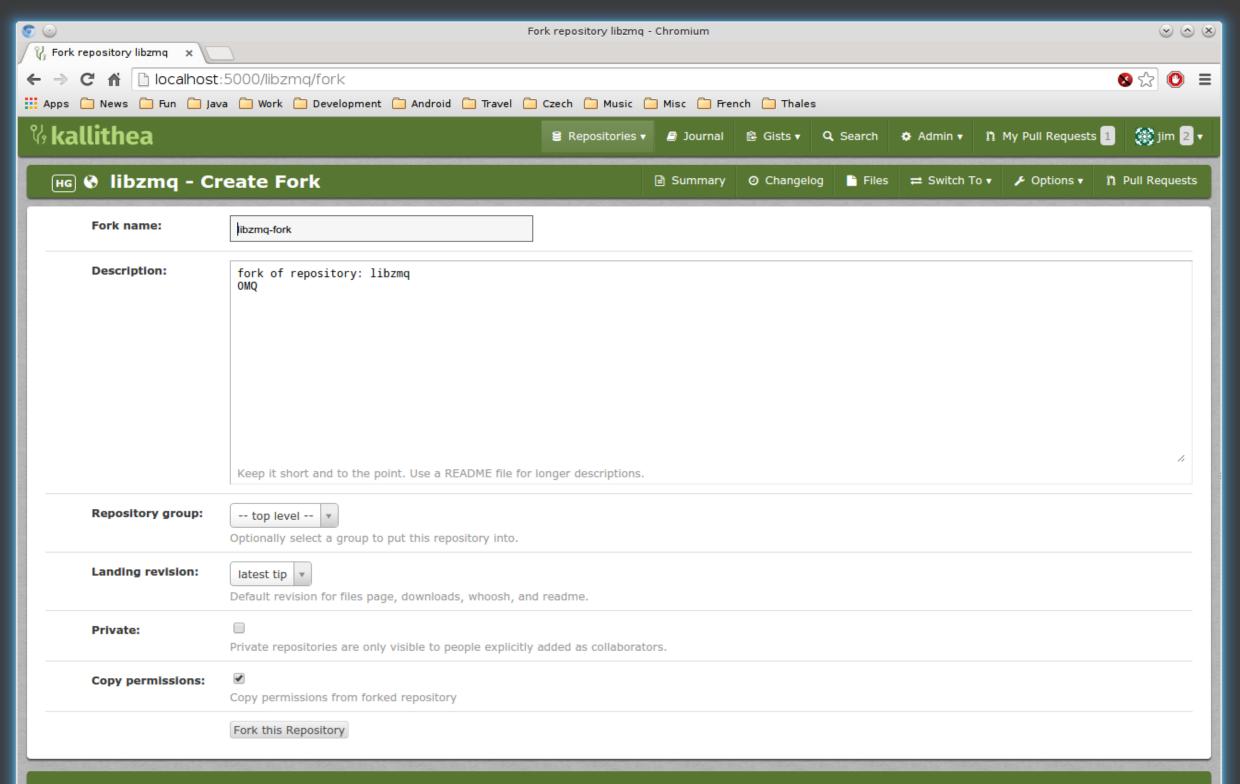




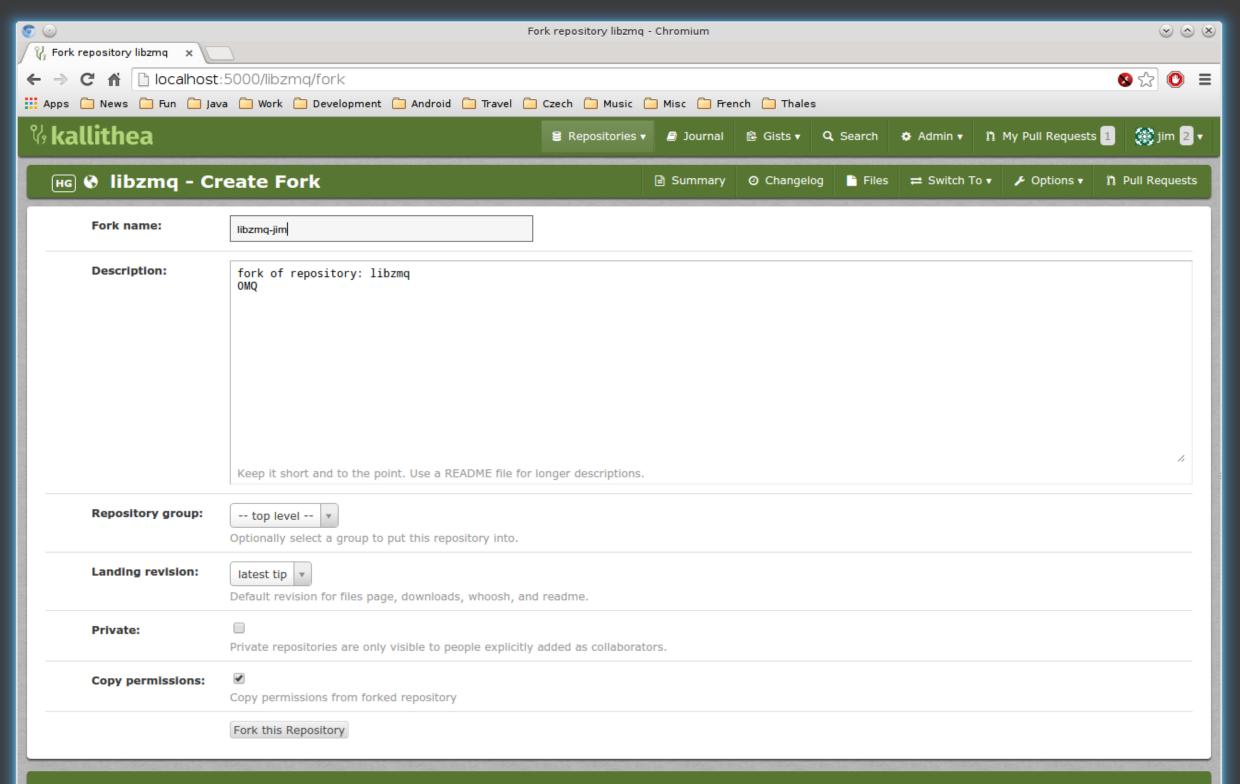
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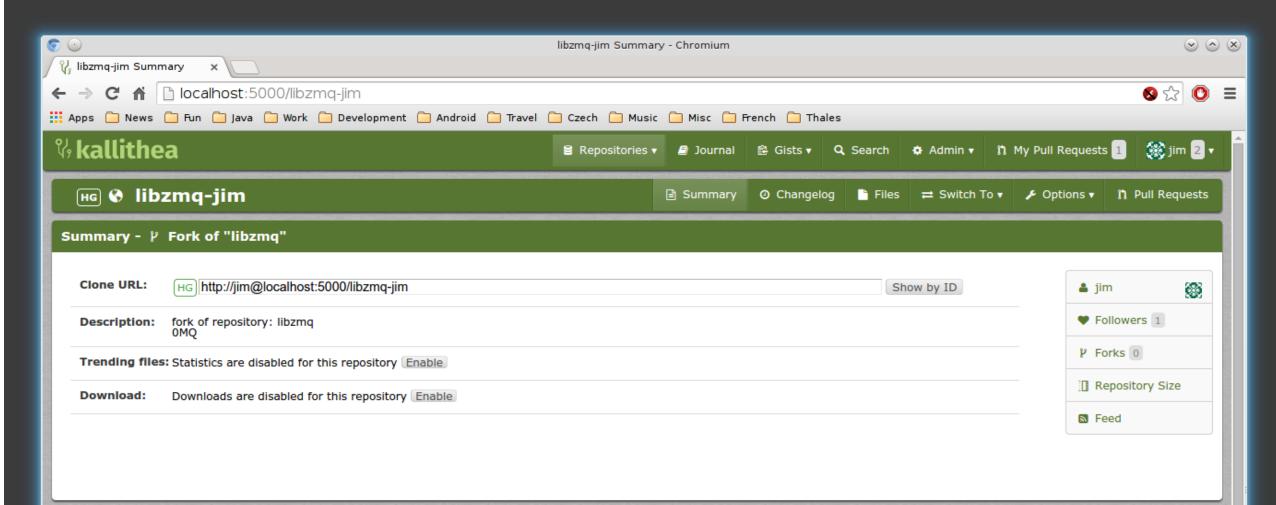








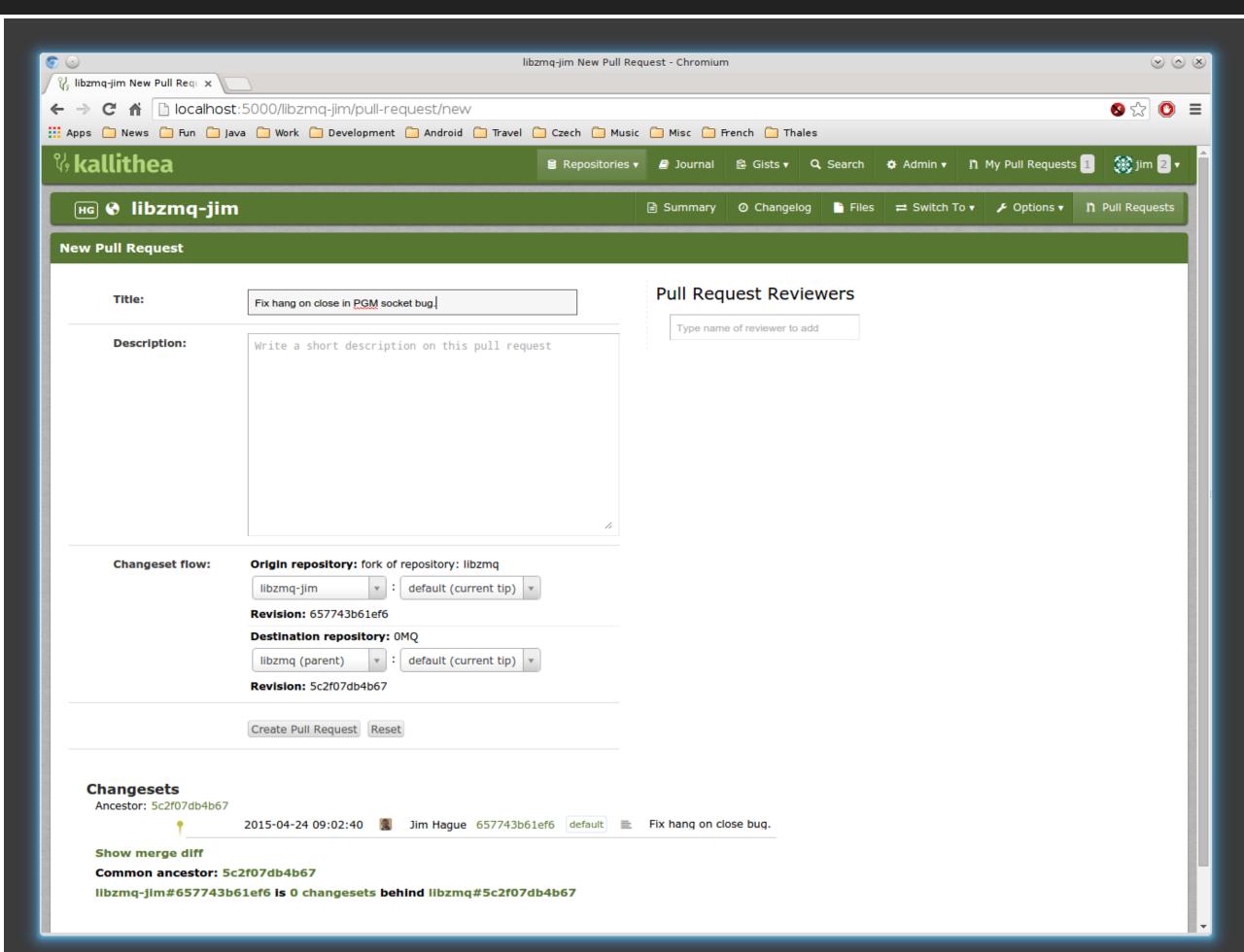




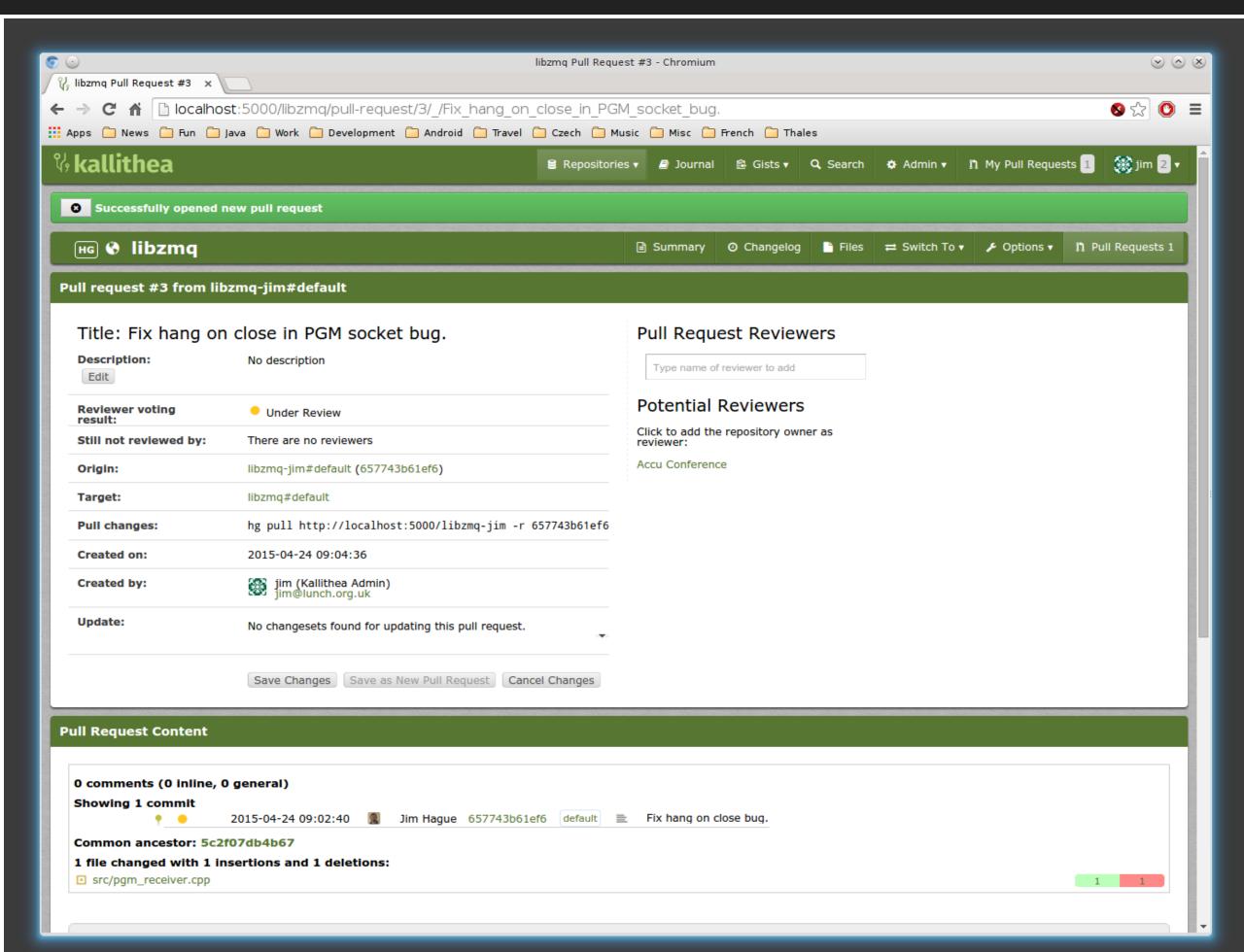
Latest Changes

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657743b61ef6	Fix hang on close bug.	14 seconds ago	Jim Hague	tip default
5c2f07db4b67	return values of socket functions are ssize_t (not int) in compliance with POSIX	7 months and 7 days ago	Maximilian Schneider	default
13430b0906ed	Merge pull request #1181 from whoshuu/patch-1	7 months and 7 days ago	Martin Hurton	default
f5602e1657e3	Fix non-constant-expression narrowing	7 months and 7 days ago	Huu Nguyen	default
a4b320ea5845	Merge pull request #1179 from hurtonm/master	7 months and 11 days ago	Pieter Hintjens	default
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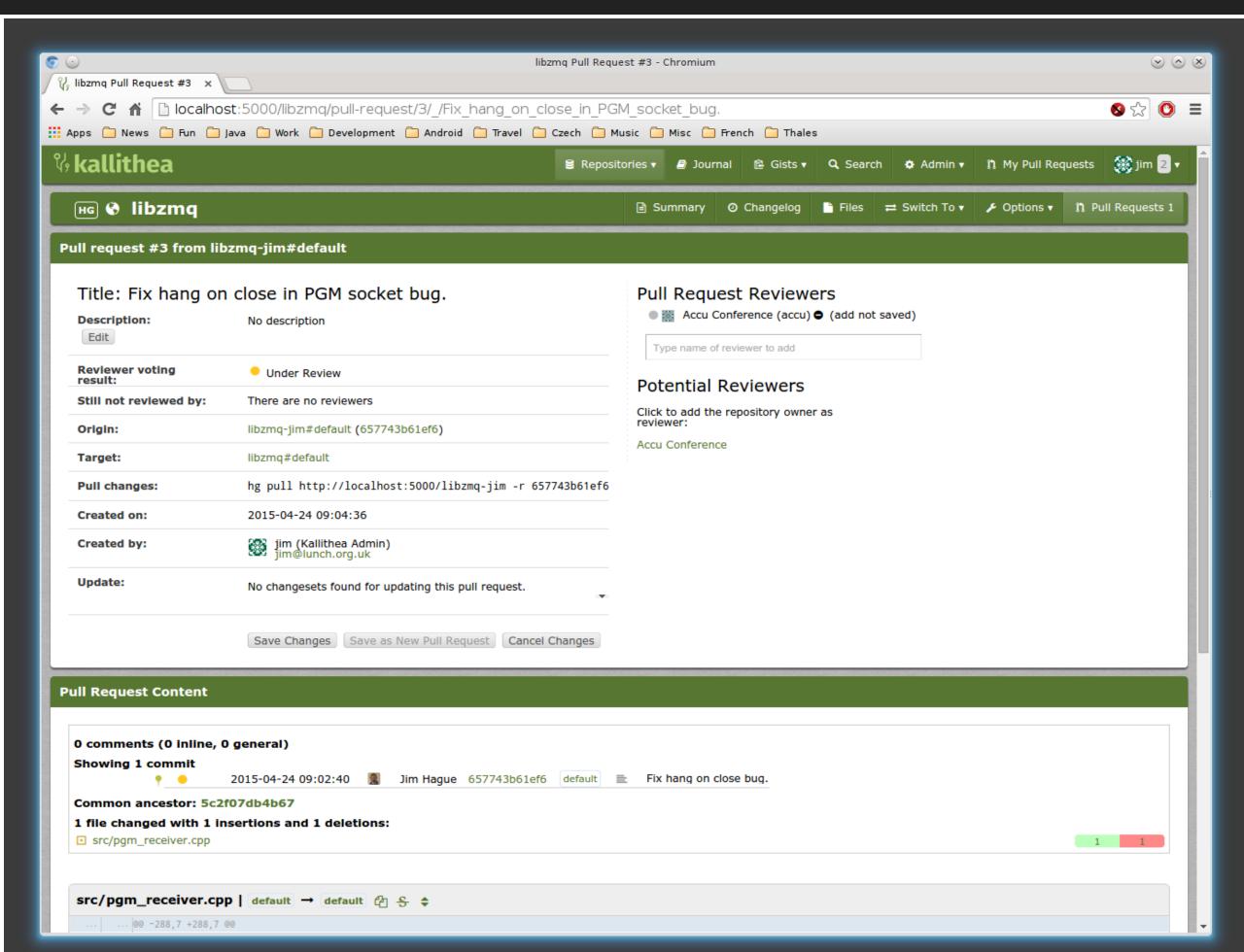




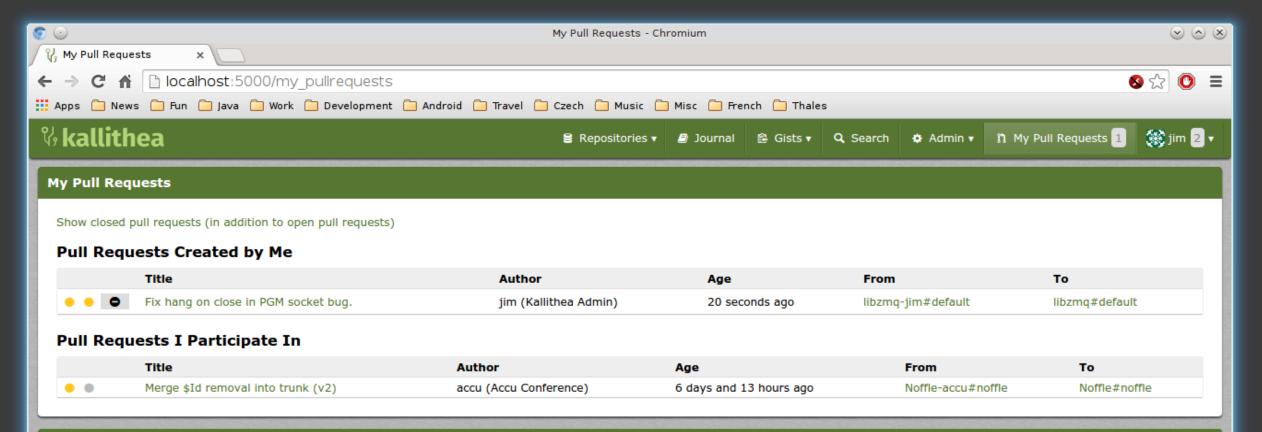






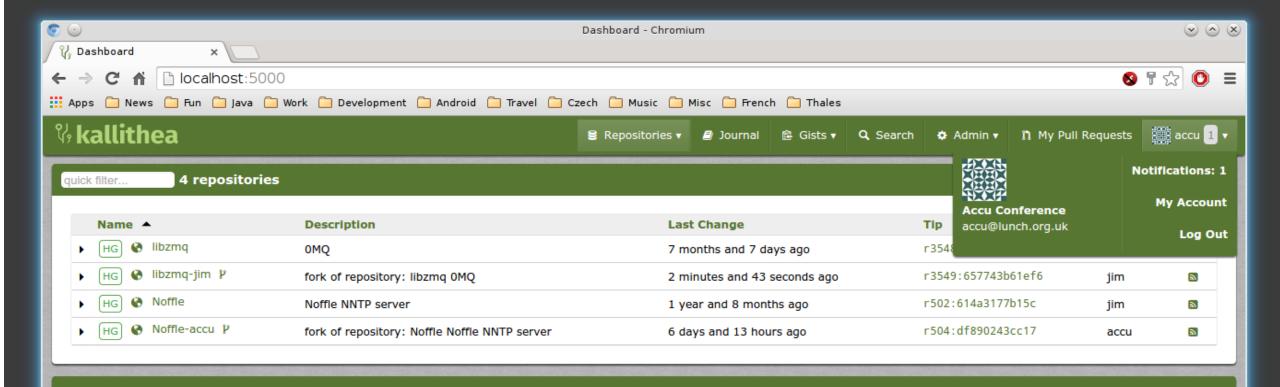






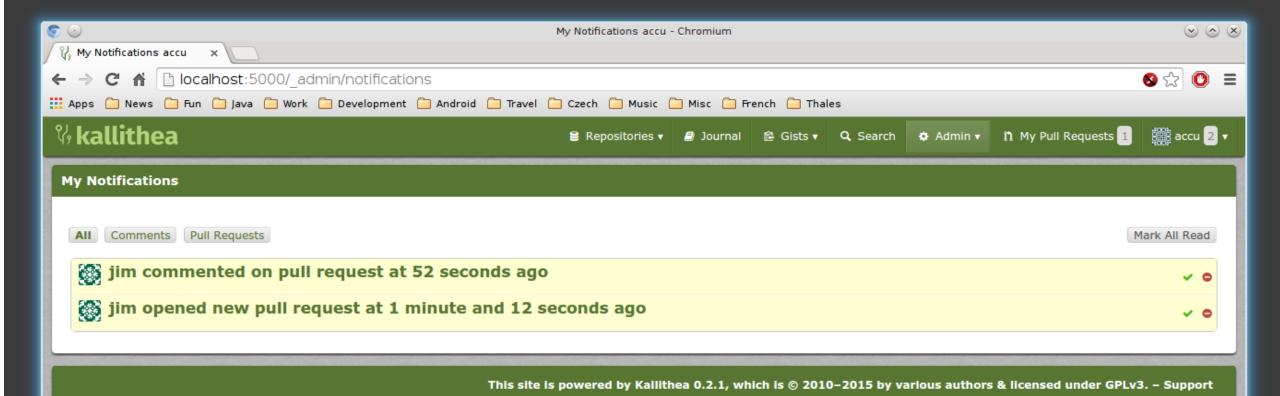
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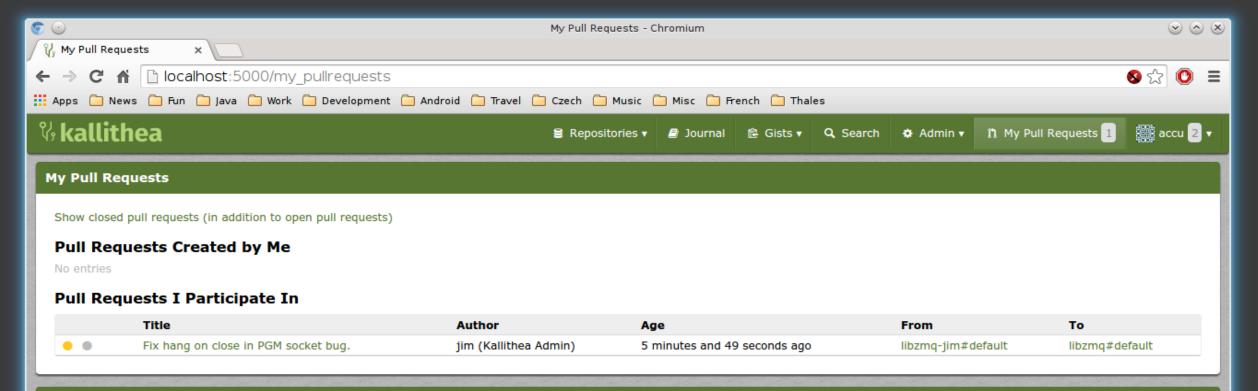


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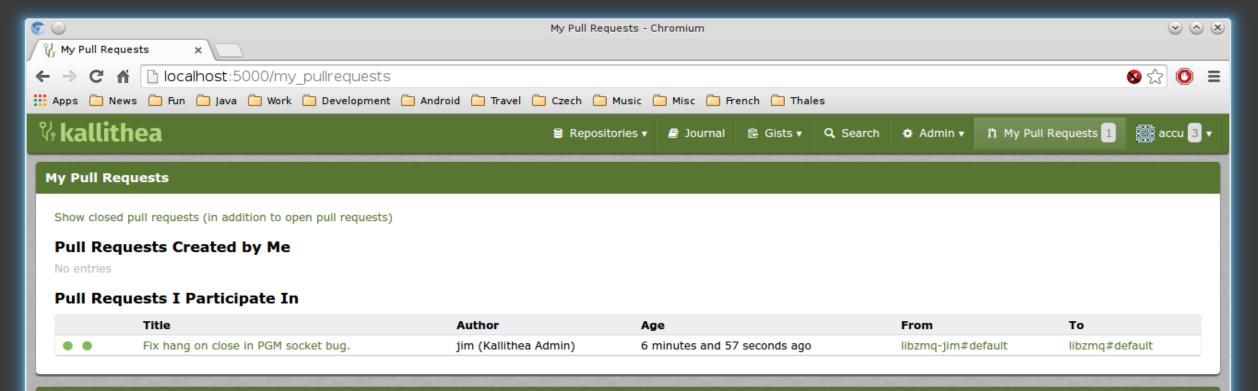






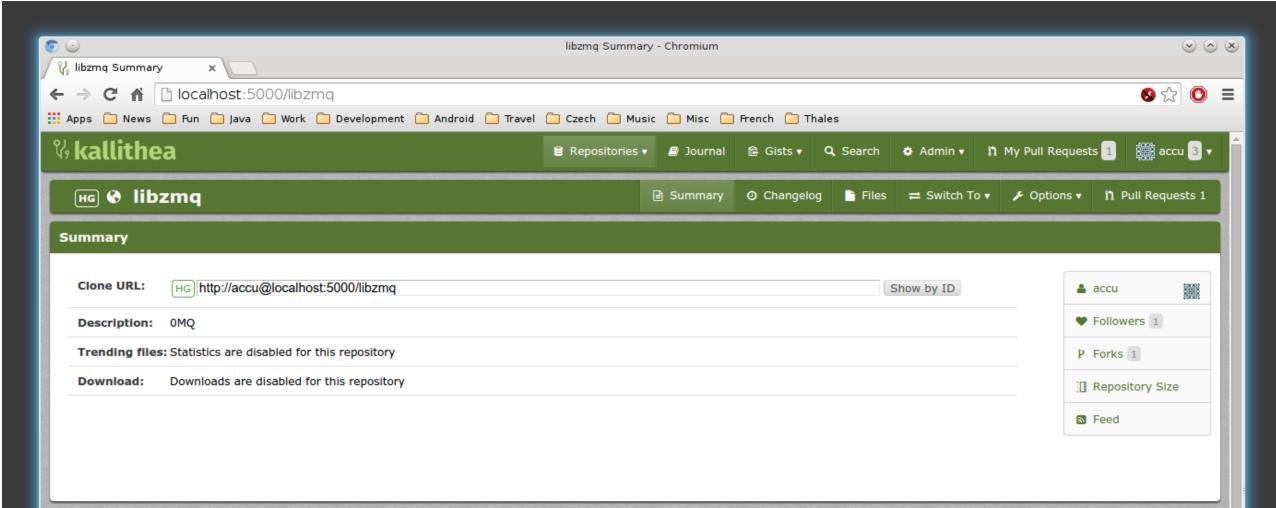
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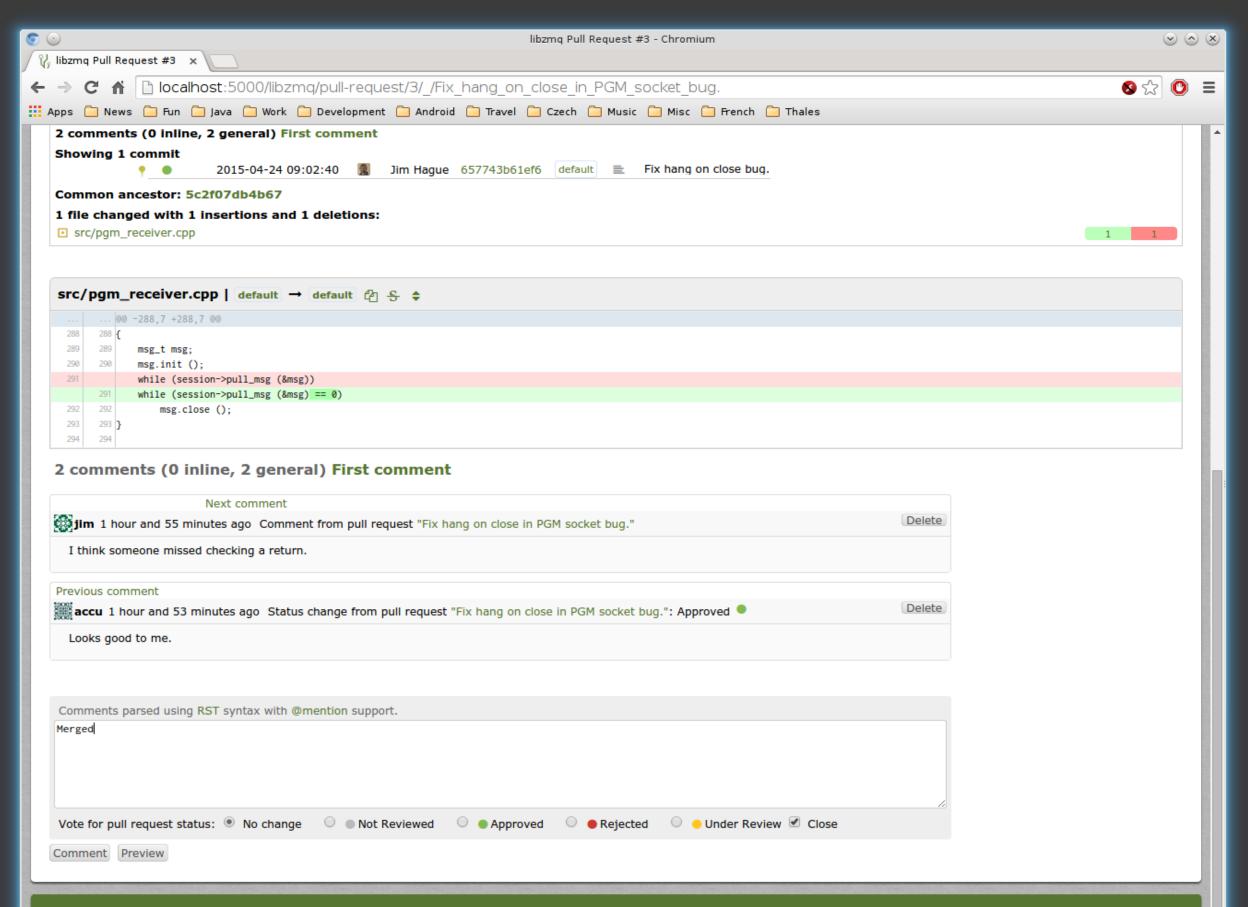




Latest Changes

Revision	Commit Message	Age	Author	Refs
657743b61ef6	Fix hang on close bug.	2 hours and 1 minute ago	Jim Hague	tip default
5c2f07db4b67	return values of socket functions are ssize_t (not int) in compliance with POSIX	7 months and 7 days ago	Maximilian Schneider	default
13430b0906ed	Merge pull request #1181 from whoshuu/patch-1	7 months and 7 days ago	Martin Hurton	default
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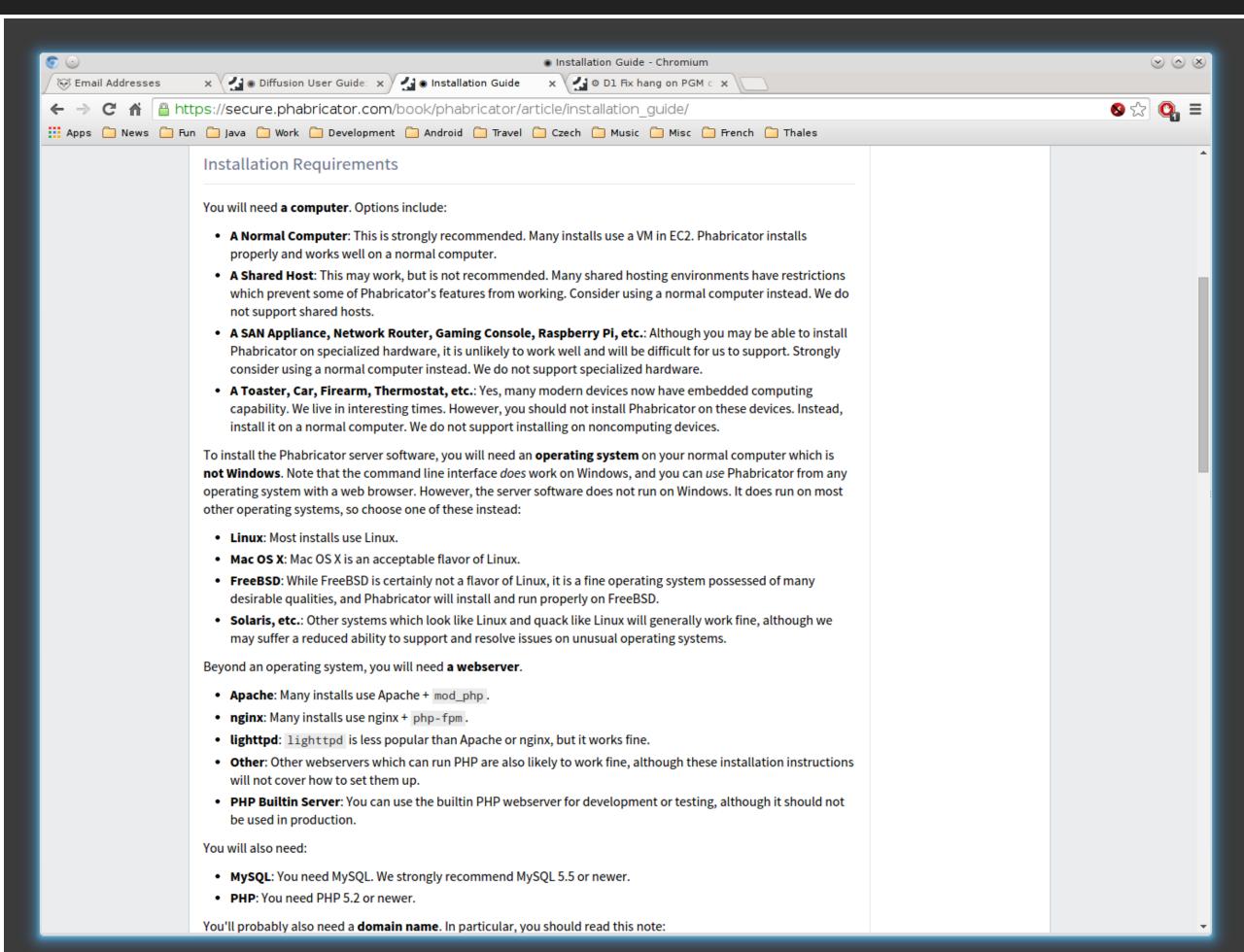


PHABRICATOR

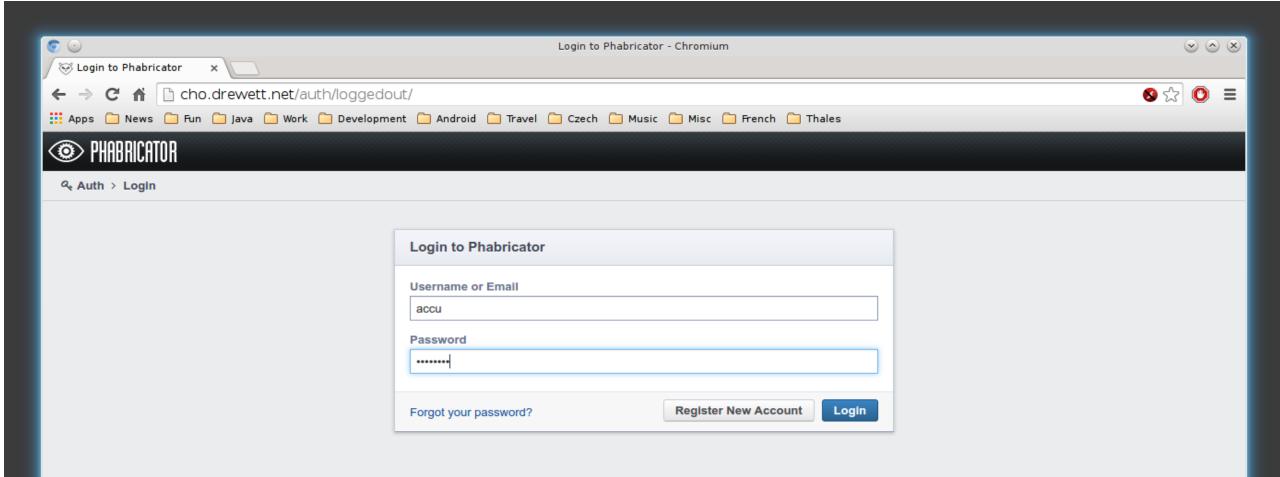
- www.phabricator.org
- "Written in PHP so literally anyone can contribute, even if they have no idea how to program."
- Self-hosted, mirror on GitHub.
- Apache 2.0

PHABRICATOR FEATURES

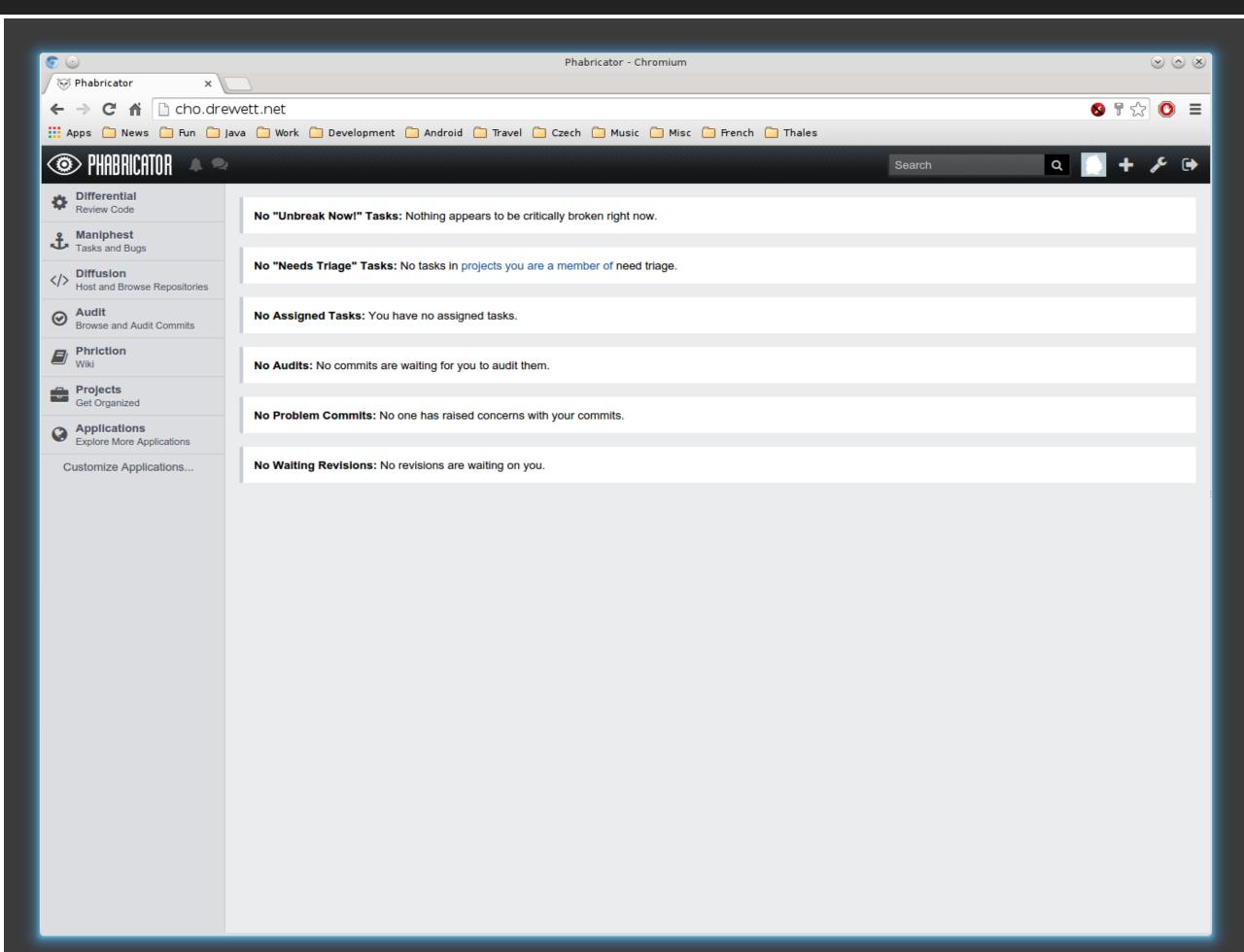
- Repository management Mercurial, Git, Subversion
- Code reviews
- Issue tracker
- Wikis
- Design review
- Messaging
- ... and more coming.



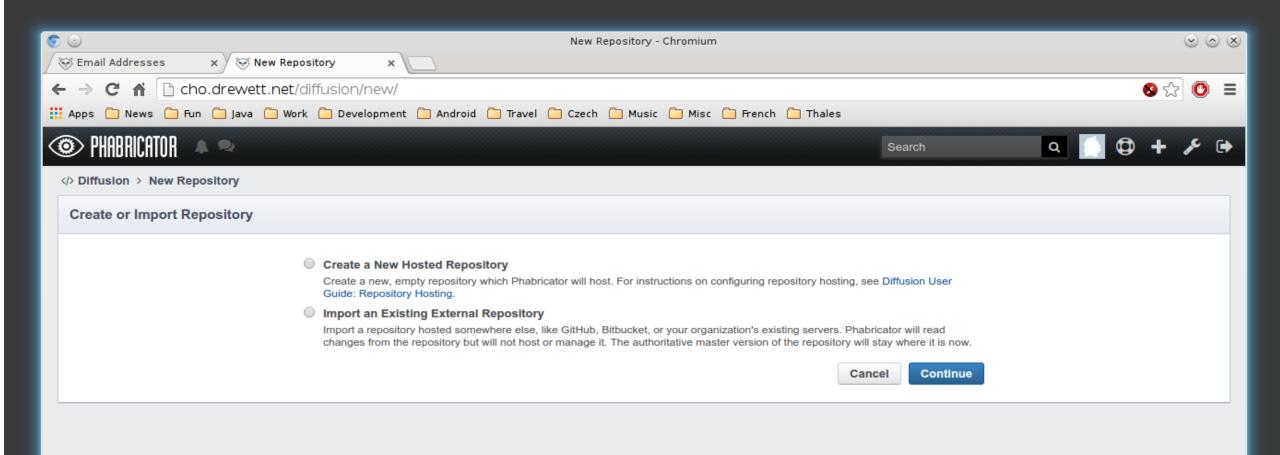




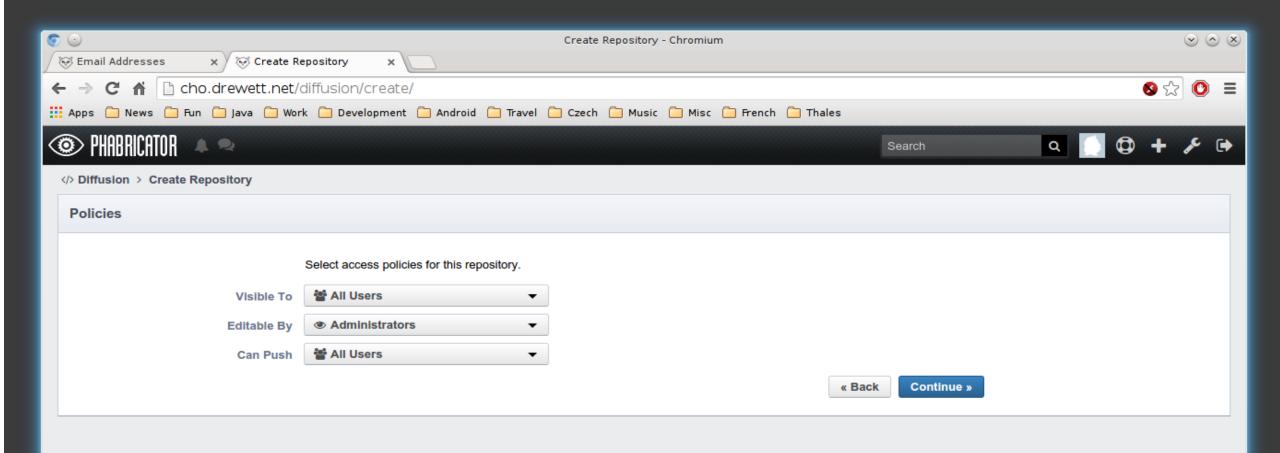




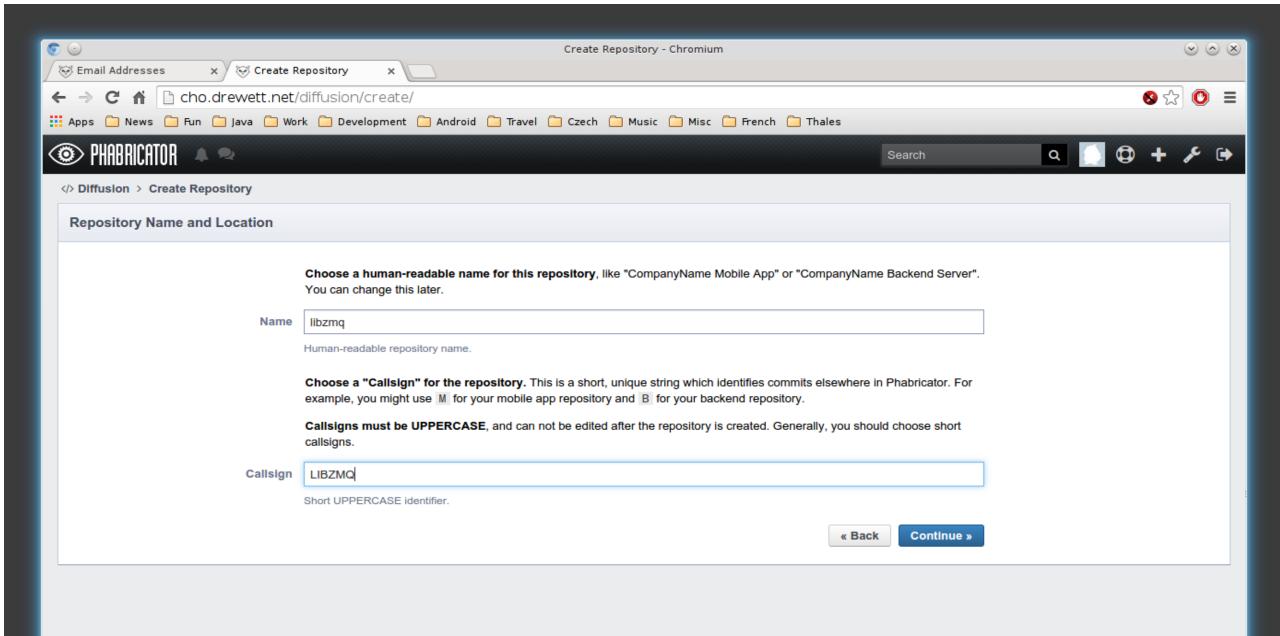




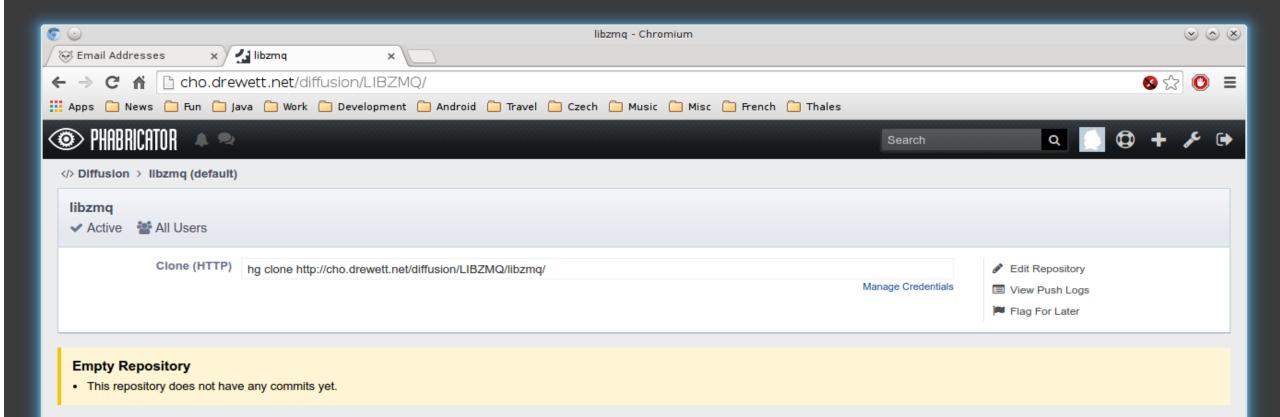




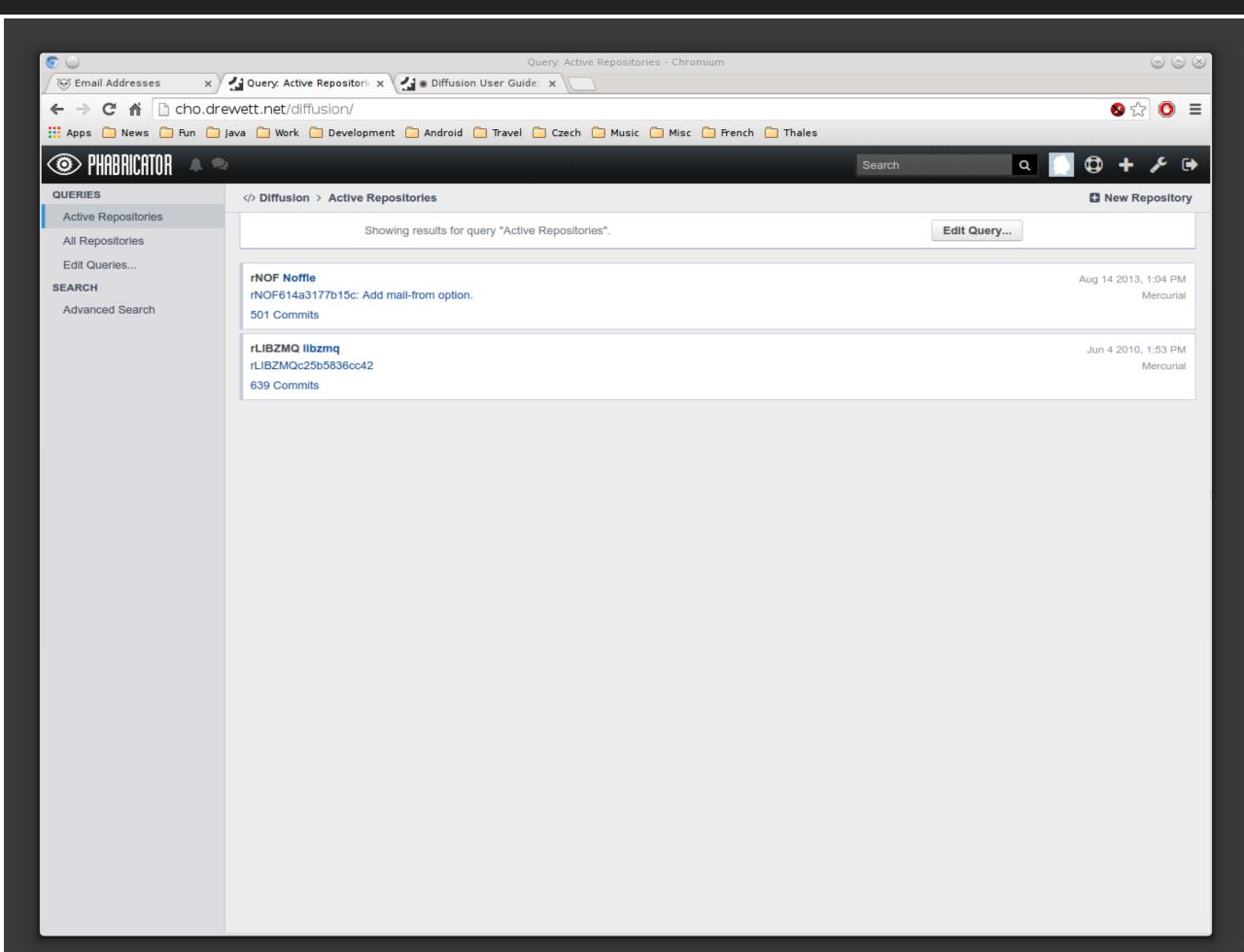


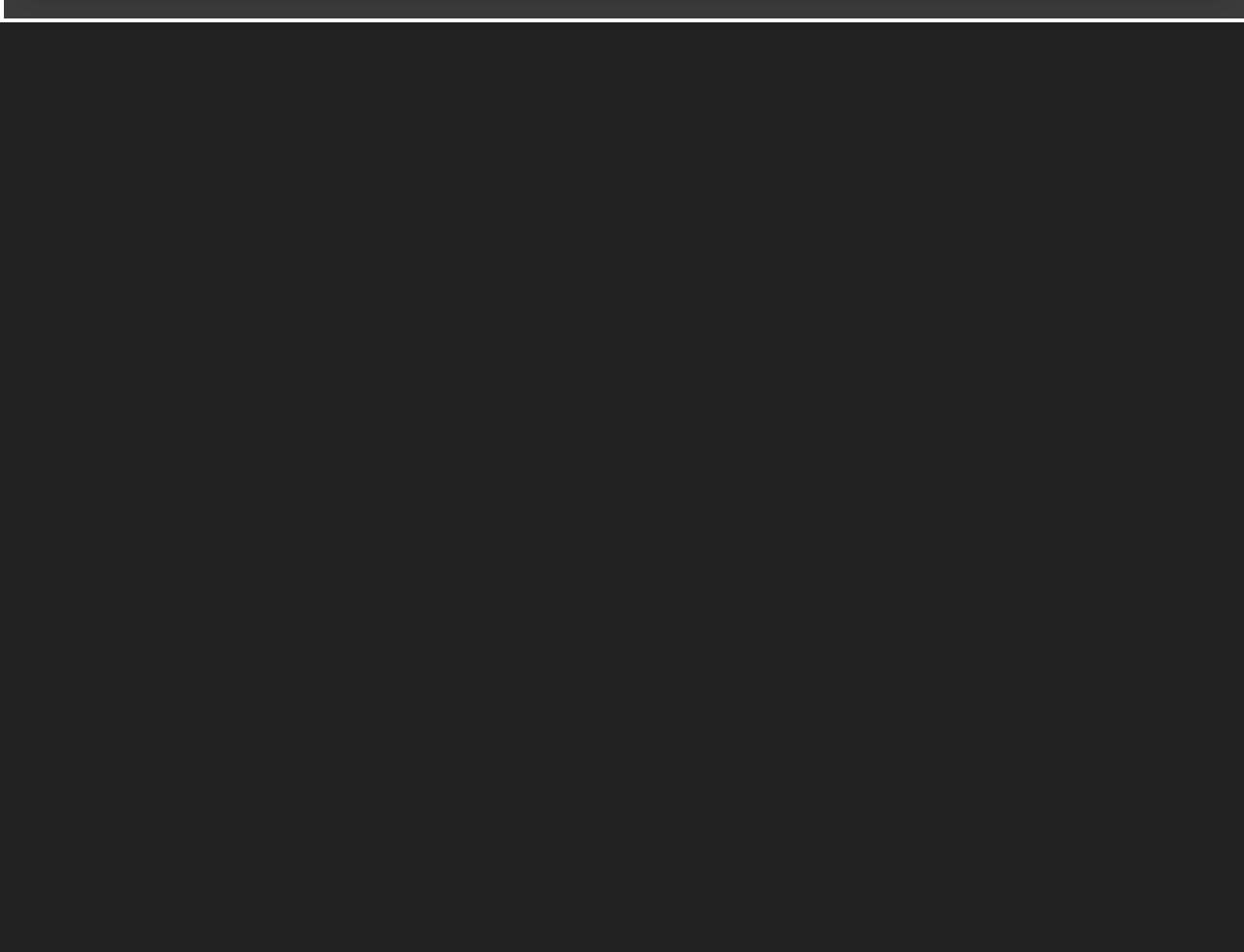








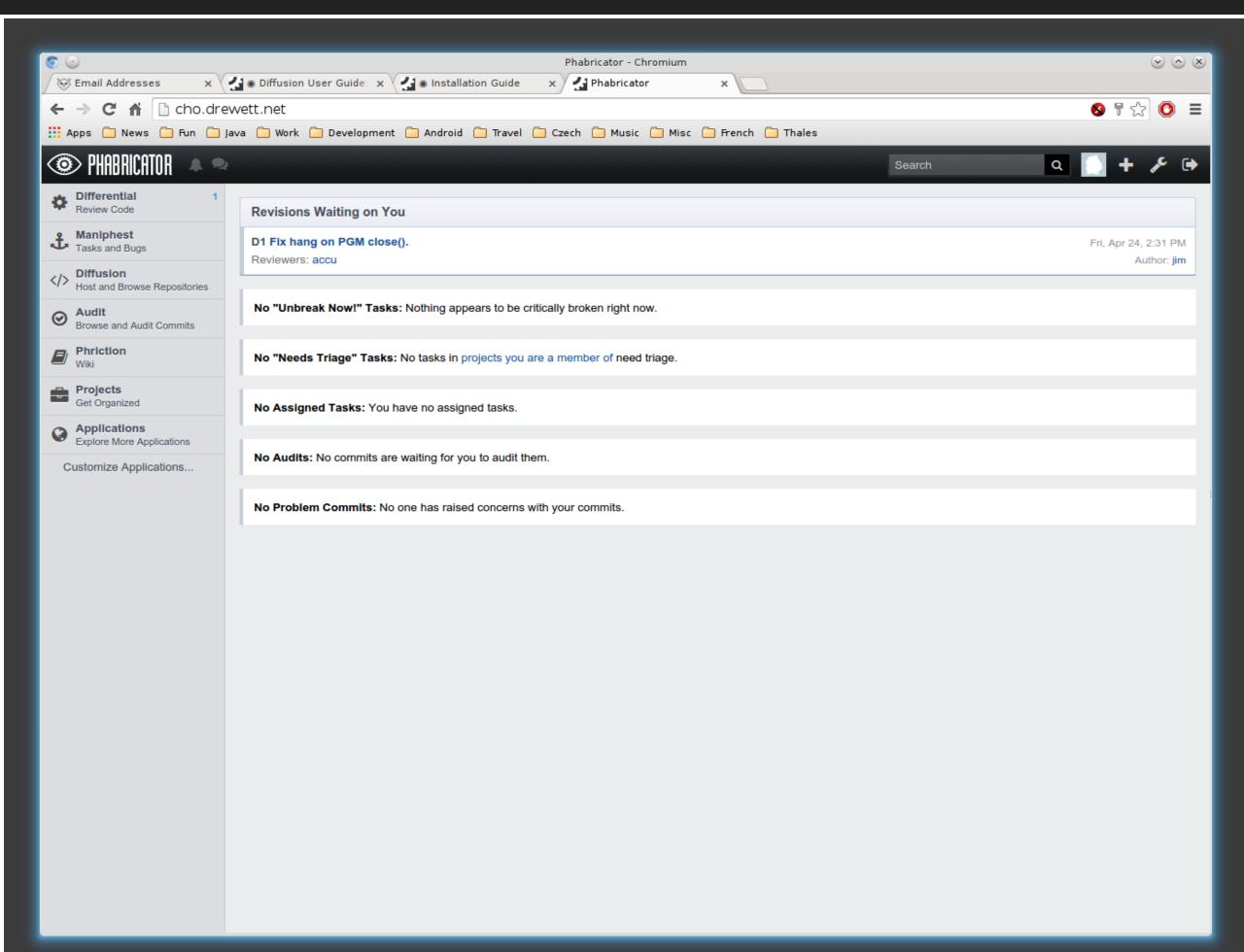




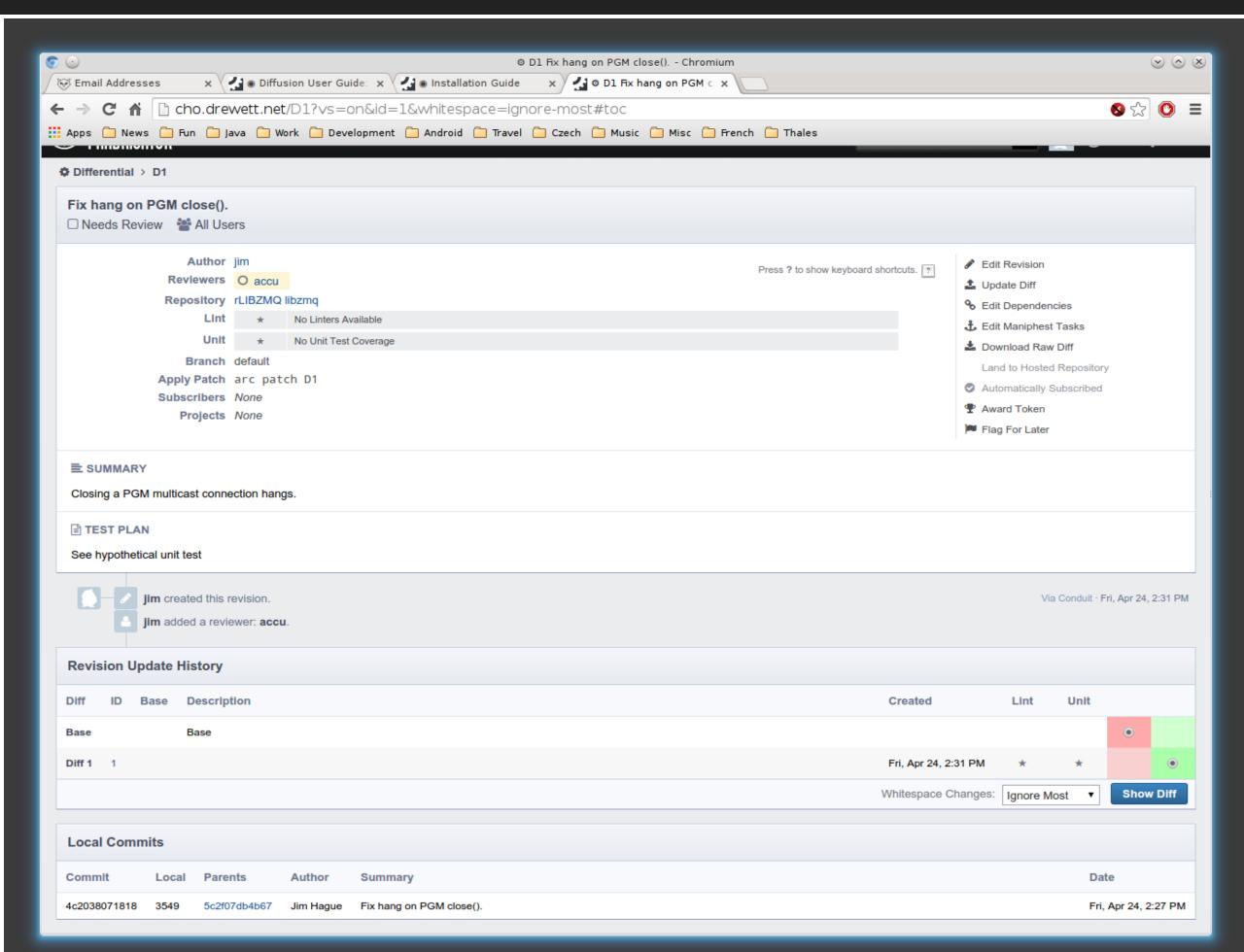
```
jim@cho:~/src/libzmq-jim-hg-phab$ ~/src/phabricator/arcanist/bin/arc diff
Commit message has errors:

    Invalid or missing field "Test Plan": You must provide a test plan.

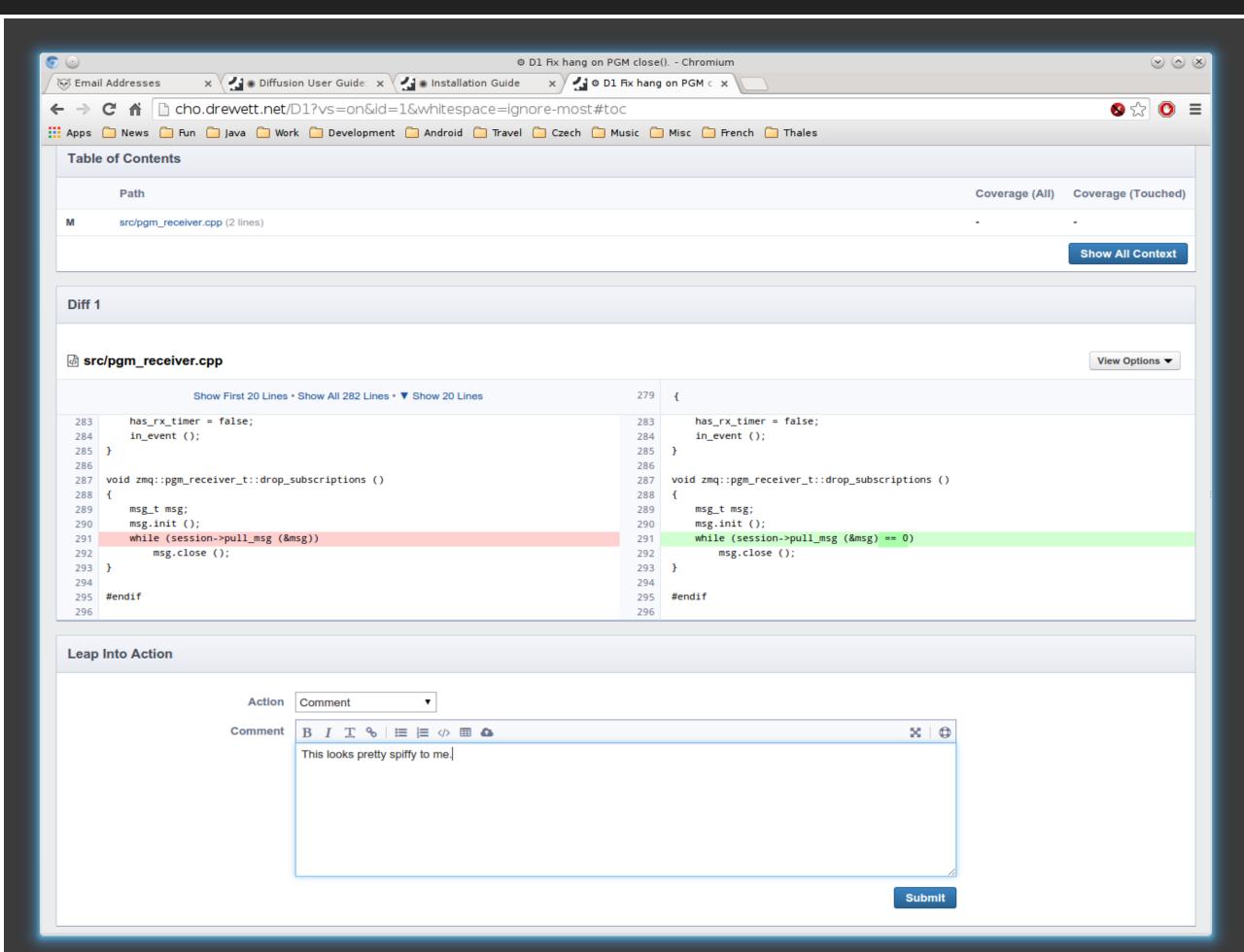
     Describe the actions you performed to verify the behavior of this
     change.
You must resolve these errors to continue.
   Do you want to edit the message? [Y/n]
.inting...
to lint engine configured for this project.
Running unit tests...
lo unit test engine is configured for this project.
!reated a new Differential revision:
       Revision URI: http://cho.drewett.net/D1
included changes:
         src/pgm_receiver.cpp
jim@cho:~/src/libzmq-jim-hg-phab$
```



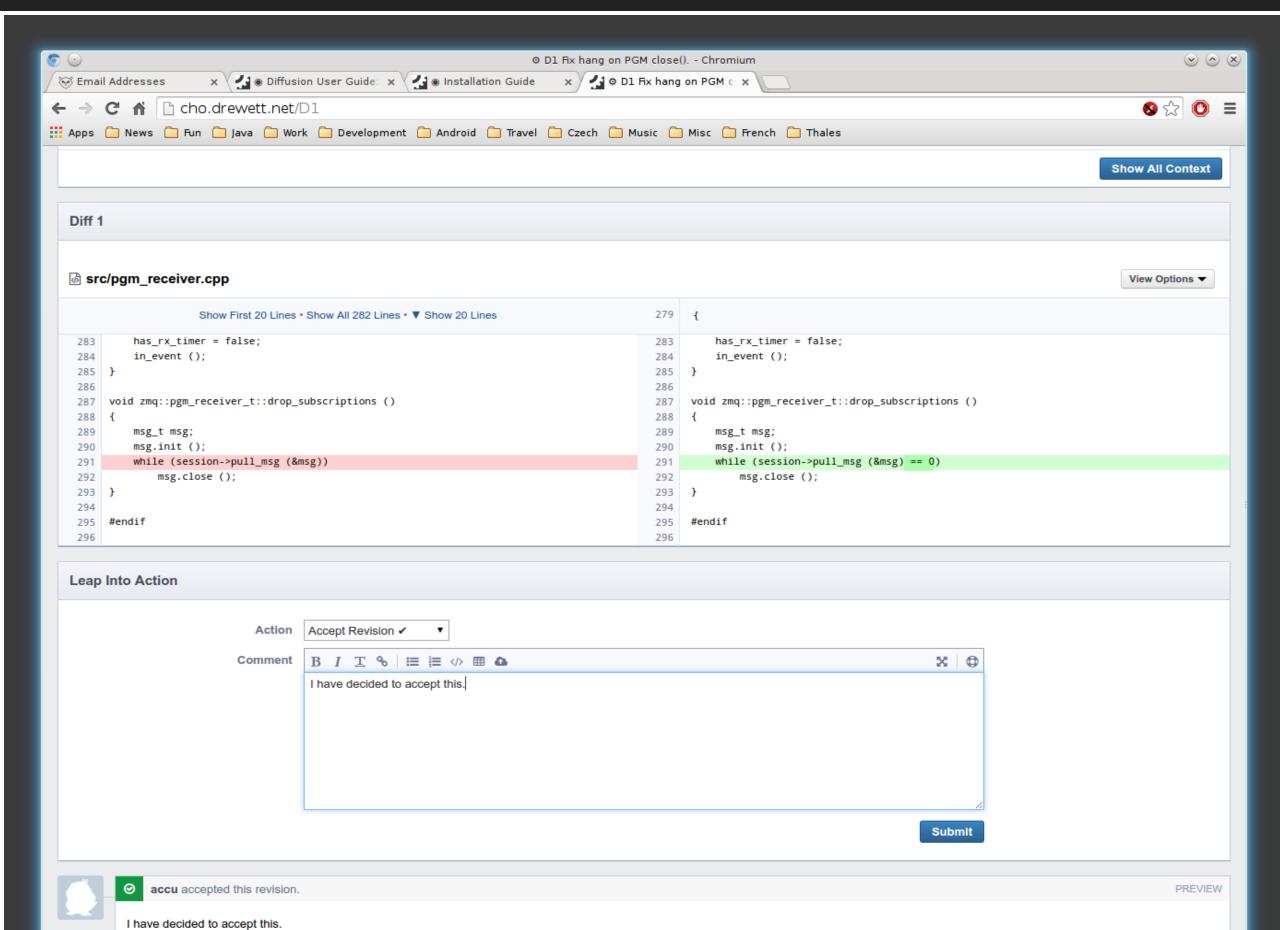




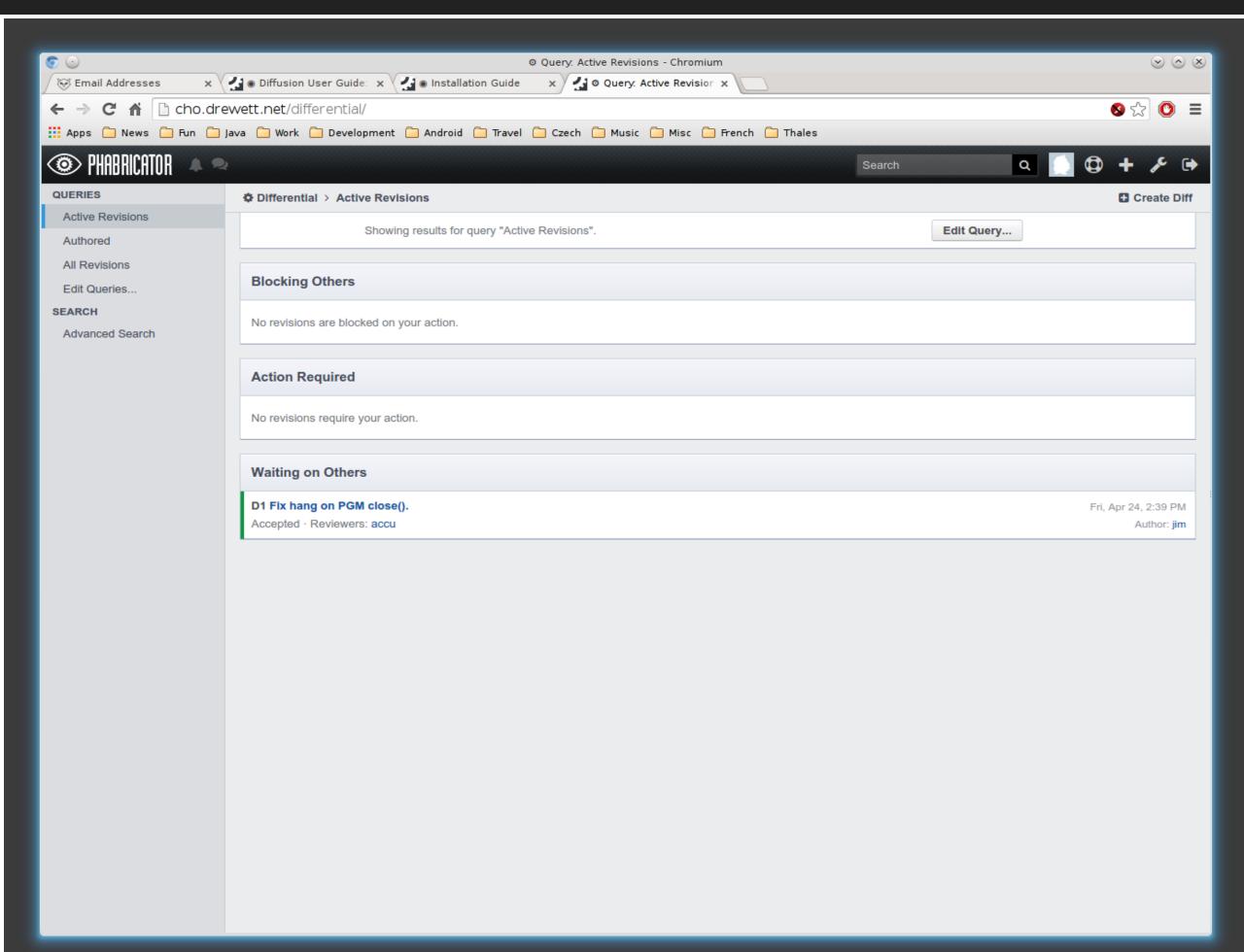




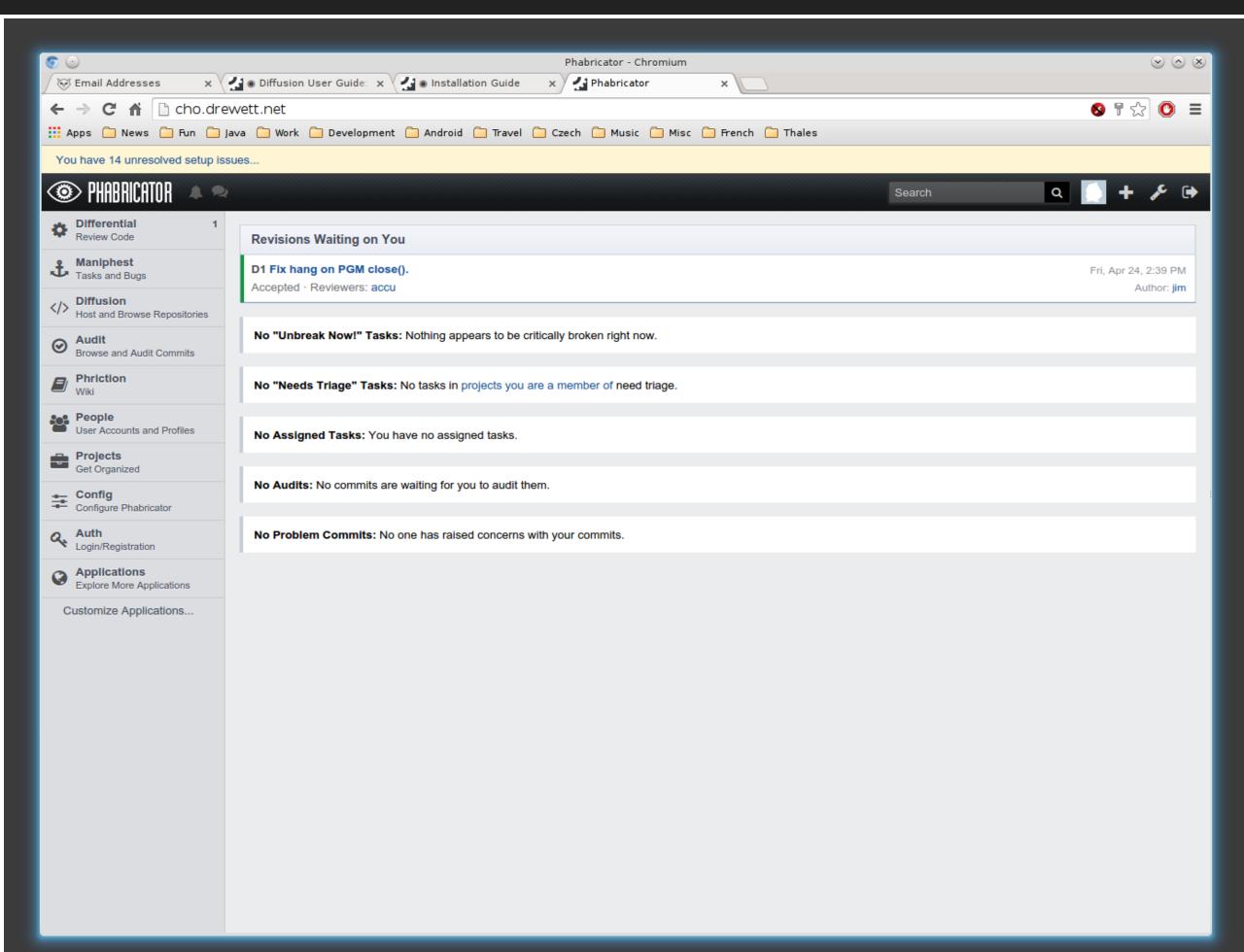




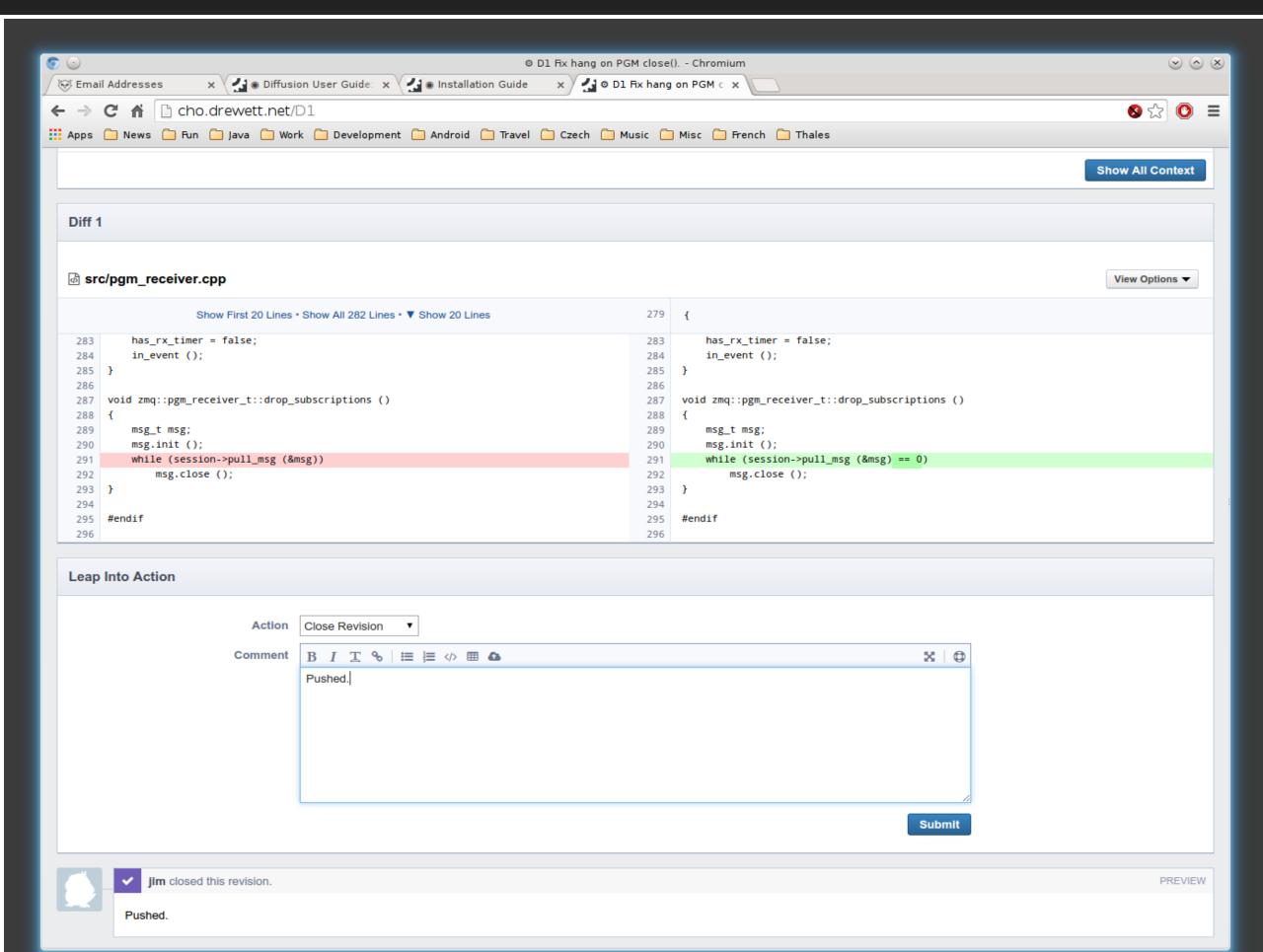














SUMMARY

THAT'S ALL FOLKS