EGit and JGit 3.2
Release Review

Shawn Pearce (sop@google.com)

Matthias Sohn (matthias.sohn@sap.com)

About

EGit is an Eclipse Team provider for Git. Git is a distributed SCM, which means every developer has a full copy of all history of every revision of the code, making queries against the history very fast and versatile. The EGit project is implementing Eclipse tooling for the JGit Java implementation of Git.

JGit is an EDL (BSD) licensed, lightweight, pure Java library implementing Git.

Introduction

EGit and JGit are Technology sub projects.

- http://eclipse.org/egit
- http://eclipse.org/jgit

This release is the 17th release for both projects at Eclipse. org, and the goal is to foster the Eclipse community around Git.

Committer Diversity

There are many individuals and companies involved with EGit (20 committers) and JGit (13 committers)

Ageto, CollabNet, Dewire, GitHub, Google, IBM, Obeo, Twitter, SAP, Tasktop

JGit Features

Features

- Interactive rebase
- Support for rebase.autostash
- Added the git-describe implementation
- Added recursive variant of Config.getNames() methods

Command Line

- added describe command
- added support for --version
- status command supports --porcelain
- fetch command supports --tags
- list all supported formats in archive command's help

Many bug fixes

Complete list of improvements in New and Noteworthy

EGit Features

Features
- Interactive rebase
- Support for rebase.autostash
- Push Branch / Initial Push wizard
- Push Tags wizard
- Improve UI of upstream configuration when creating a branch
- Blame annotations: Add link for showing commit in history and open
- Blame annotations: Show start commit when opening editor
- Blame annotations: Show diff in hover and enable blaming parent commits
- Add dropping multiple stashed commits in repositories view
- PSF import also supports checking out tags, not only branches
- Make Merge Tool work for non-workspace files
- Rebase: Show dialog in case there are uncommitted changes
- "Search all" option for find toolbar in history view

Performance improvements
- Improve performance of showing tags in repositories view

Many usability improvements and bug fixes

Find complete list of improvements in [New and Noteworthy](#)

GitHub Connector Features

- no new features

Non Code Aspects

User Guide and extensive Contributor Guide

- http://wiki.eclipse.org/EGit/User_Guide
- http://wiki.eclipse.org/EGit/GitHub/User_Guide
- http://wiki.eclipse.org/JGit/User_Guide
- http://wiki.eclipse.org/EGit/Contributor_Guide
- http://wiki.eclipse.org/EGit/GitHub/ContributorGuide

Lively discussion on mailing lists and EGit forum show a growing community:

- http://dev.eclipse.org/mhonarc/lists/jgit-dev/maillist.html
- http://dev.eclipse.org/mhonarc/lists/egit-dev/maillist.html
- http://www.eclipse.org/forums/index.php?t=thread&frm_id=48

Bugzilla (as of 2013-12-11)

- JGit
  - 108 bugs open, 57 enhancements
  - 12 bugs & 6 enhancements fixed since last release

- EGit
  - 575 bugs open, 254 enhancements
  - 44 bugs & 13 enhancements fixed since last release

Committers - JGit

Chris Aniszczyk (Twitter), Christian Halstrick (SAP), Colby Ranger (Google), David Borowitz (Google), Gunnar Wagenknecht (Tasktop), Kevin Sawicki (GitHub), Mathias Kinzler (SAP), Matthias Sohn (SAP), Robin Rosenberg (Dewire), Robin Stocker (Independent), Sasa Zivkov (SAP), Shawn Pearce (Google), Stefan Lay (SAP)

Committers - EGit

Andrew Niefer (IBM), Benjamin Muskalla (Tasktop), Chris Aniszczyk (Twitter), Christian Halstrick (SAP), Dani Megert (IBM), Dariusz Luksza (CollabNet), Gunnar Wagenknecht (Tasktop), Jens Baumgart (SAP), Kevin Sawicki (GitHub), ***Laurent Goubet (Obeo, new committer),*** Mathias Kinzler (SAP), Matthias Sohn (SAP), Mik Kersten (Tasktop), Mykola Nikishov (Independent), Remy Suen (IBM), Robin Rosenberg (Dewire), Robin Stocker (Independent), Shawn Pearce (Google), Stefan Lay (SAP), Tomasz Zarna (Tasktop)

Community

Significant new code contributions from the community in 3.2

Gerrit Code Review: http://git.eclipse.org/r/

- JGit
  - CQ 7609, Kohsuke Kawaguchi (CloudBees): Added the git-describe implementation
  - CQ 7684, Tobias Pfeifer, Stefan Lay, Matthias Sohn (SAP): Add Squash/Fixup support for rebase interactive in RebaseCommand
  - CQ 7689, Tobias Pfeifer, Stefan Lay, Matthias Sohn (SAP): Add class that represents the rebase-todo and rebase-done files
- EGit
  - CQ7690, Tobias Pfeifer, Stefan Lay, Matthias Sohn (SAP): Add a view for interactive rebase

IP Logs

- JGit: https://bugs.eclipse.org/bugs/show_bug.cgi?id=423318
- EGit: https://bugs.eclipse.org/bugs/show_bug.cgi?id=423319

Schedule

- 3.2 - Dec 18, 2013 (will also be shipped with Kepler SR2)
- 3.3 - Feb 2014
- 4.0 - June 2014

Project Plan

Available at

- https://projects.eclipse.org/projects/technology.egit/releases/4.0.0/plan
- https://projects.eclipse.org/projects/technology.jgit/releases/4.0.0/plan