



# EGit and JGit 0.7.0 Release Review

Chris Aniszczyk ([caniszczyk@gmail.com](mailto:caniszczyk@gmail.com))  
Shawn Pearce ([sop@google.com](mailto:sop@google.com))  
Matthias Sohn ([matthias.sohn@sap.com](mailto: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://www.eclipse.org/egit/>
- <http://www.eclipse.org/jgit/>

This release is the first release for both projects at Eclipse.org, and the goal is to build an Eclipse community around Git. **EGit is still beta and we want to establish a feedback loop to improve the tooling to be "CVS quality"**

EGit and JGit will both ship as part of the Helios release train.

# Features



## JGit:

- Myers O(ND) based difference, merge.
- Smart HTTP transport.
- Eclipse IP log generator for Git projects.
- Build running at [build.eclipse.org](http://build.eclipse.org) with Maven/Tycho.
- Many bug fixes (configuration, packing, performance).

## EGit:

- Diverse usability enhancements
- Build running at [build.eclipse.org](http://build.eclipse.org) with Maven/Tycho
- Documentation sourced from wiki via WikiText

# Non Code Aspects



## User Guide and extensive Contributor Guide

- <http://wiki.eclipse.org/EGit/UserGuide>
- <http://wiki.eclipse.org/EGit/ContributorGuide>

Lively discussion on mailing lists show a growing community:

- <http://dev.eclipse.org/mhonarc/lists/jgit-dev/maillist.html>
- <http://dev.eclipse.org/mhonarc/lists/egit-dev/maillist.html>

# Bugzilla



- JGit:
  - 11 bugs open, 5 enhancements
  - 12 bugs fixed since project started at Eclipse
- EGit:
  - 50 bugs open, 2 critical, 5 major, 12 enhancements
  - 41 bugs fixed since project started at Eclipse

# Committers - JGit



- Chris Aniszczyk (EclipseSource)
- Christian Halstrick (SAP)
- Gunnar Wagenknecht (Ageto)
- Matthias Sohn (SAP)
- Robin Rosenberg (Dewire)
- Shawn Pearce (Google)
- Stefan Lay (SAP)

# Committers - EGit



- Chris Aniszczyk (EclipseSource)
- Christian Halstrick (SAP)
- Gunnar Wagenknecht (Ageto)
- Matthias Sohn (SAP)
- Mik Kersten (Tasktop)
- Mykola Nikishov (Independent)
- Robin Rosenberg (Dewire)
- Shawn Pearce (Google)
- Stefan Lay (SAP)



# Community



Significant code contributions from the community

Gerrit Code Review: <http://egit.eclipse.org>

- JGit
  - Initial JGit contribution (CQ 3448)
  - Eugene Myers diff algorithm (CQ 3559)
  - Improve JGit performance (CQ 3716)
- EGit
  - Initial EGit contribution (CQ 3393)
  - EGit UI Tests (CQ 3738)

# IP Logs



- JGit

- <http://www.eclipse.org/jgit/iplog/current.xml>

- EGit

- <http://www.eclipse.org/egit/iplog/current.xml>

# Schedule



- 0.8.0
  - Make EGit as usable as the CVS team provider
- 1.0.0
  - Solidify API for JGit
  - Make EGit **better** than CVS team provider

# Project Plan



## Available at

- <http://eclipse.org/projects/project-plan.php?projectid=technology.egit>
- <http://eclipse.org/projects/project-plan.php?projectid=technology.jgit>

## Themes

- Usability
- Documentation Improvements
- Building a Community