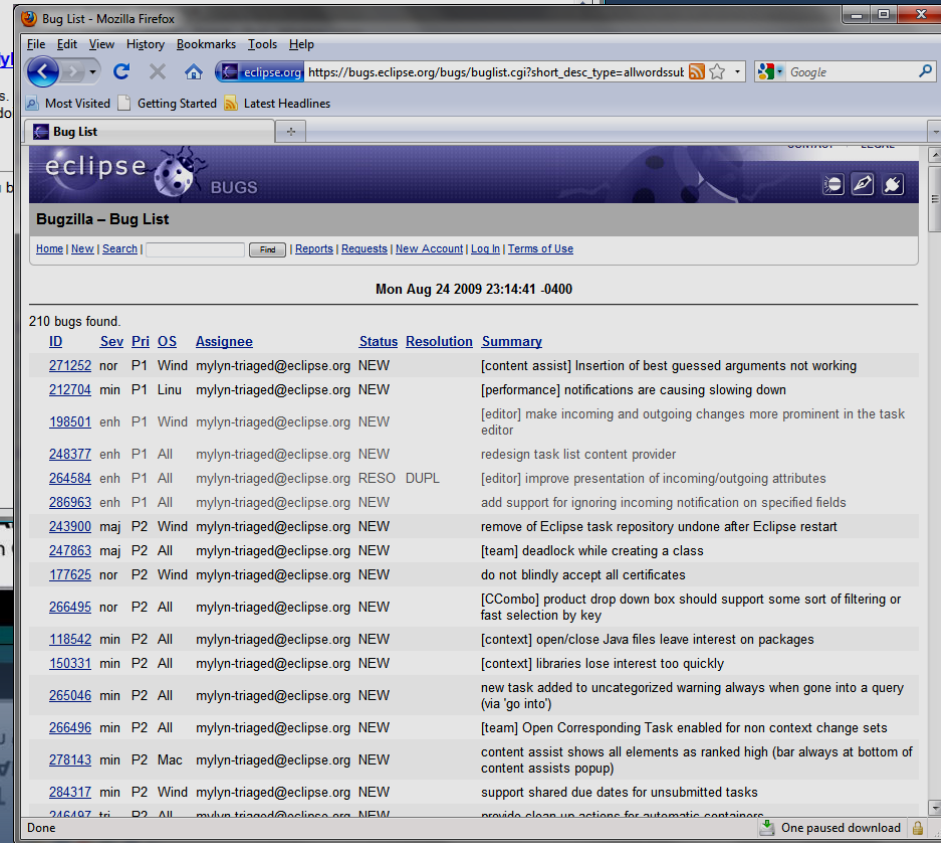
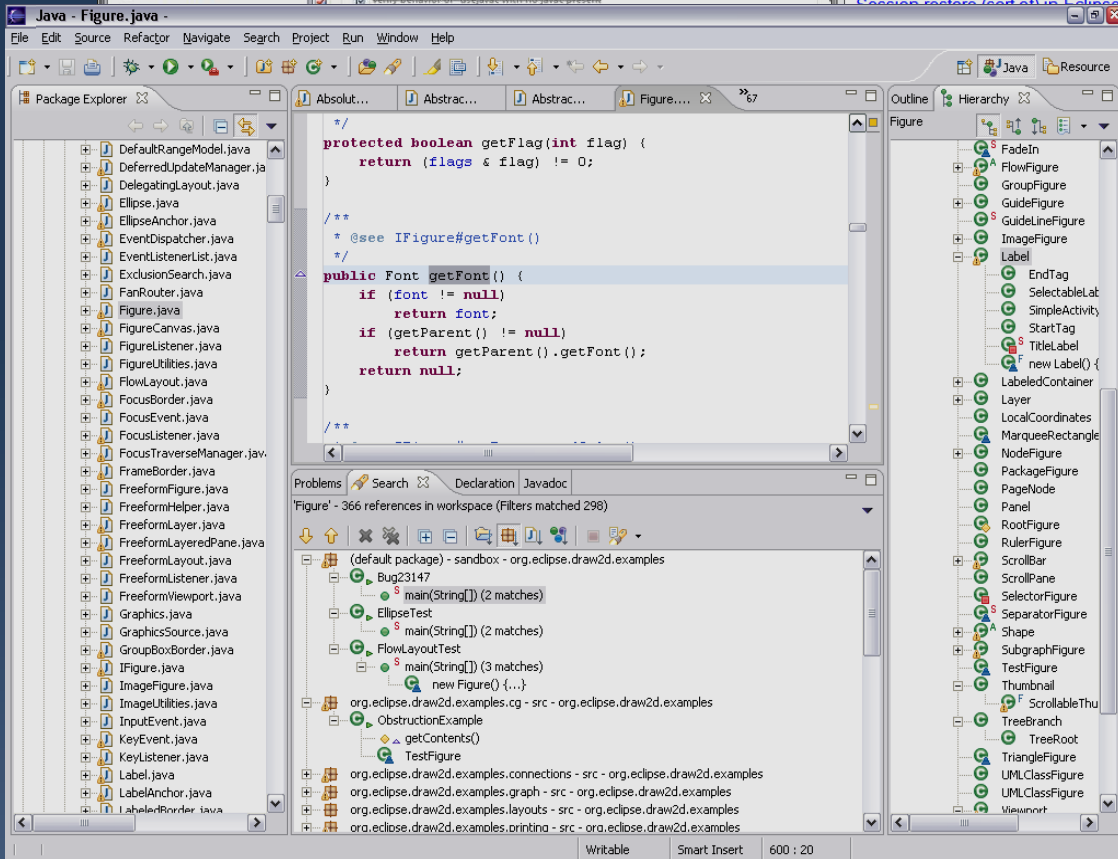
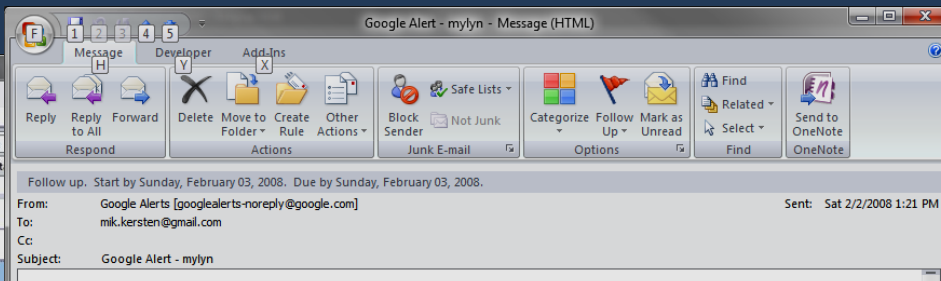
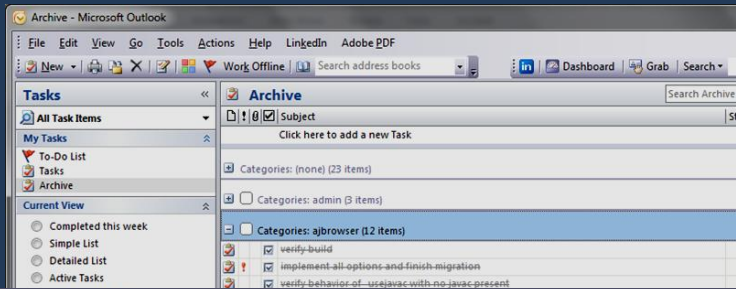
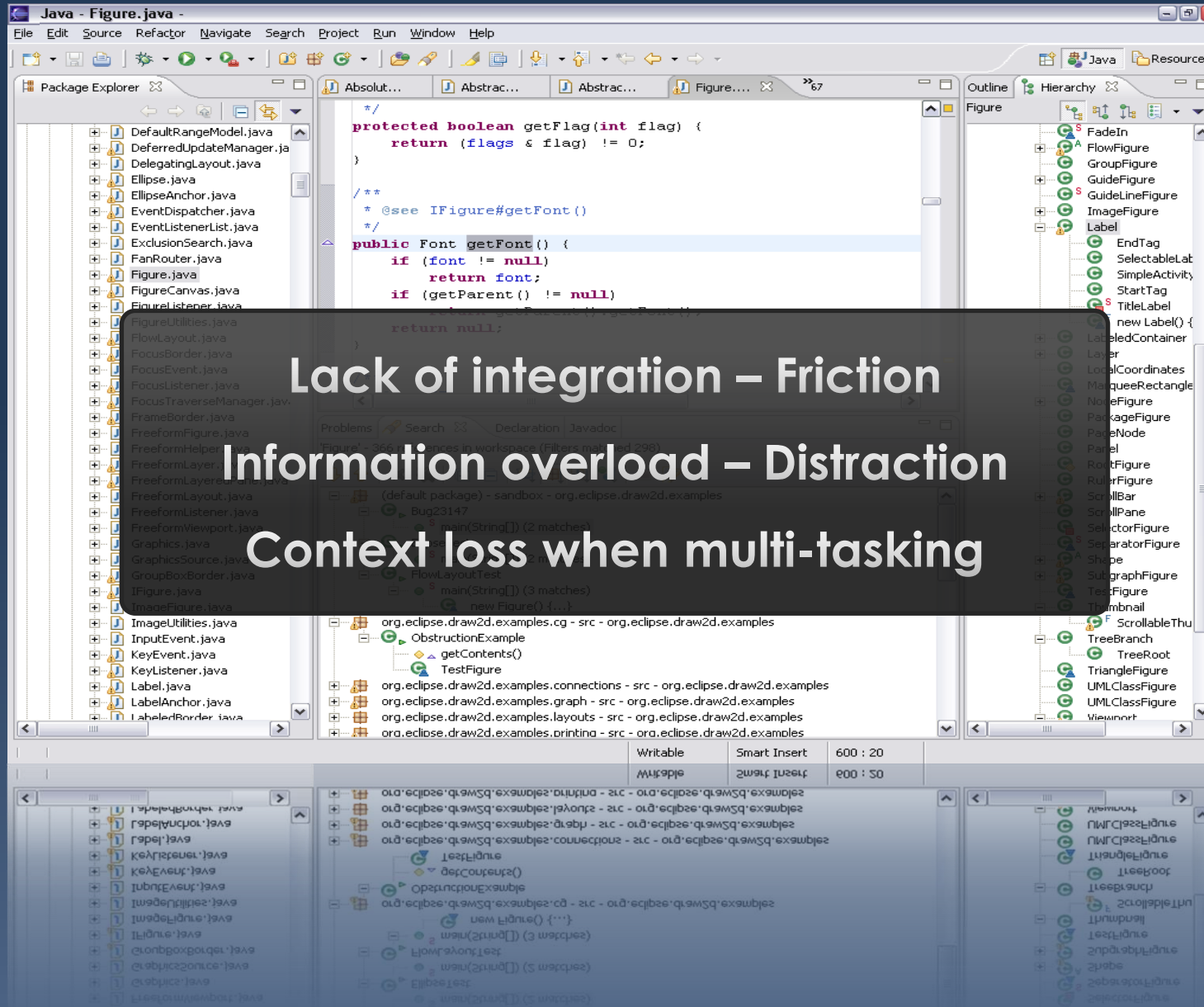


Productivity boost with Eclipse Mylyn, Git, Gerrit and Hudson



90% Irrelevant



Where does the day go?



Multitasking



Searching



Interruptions

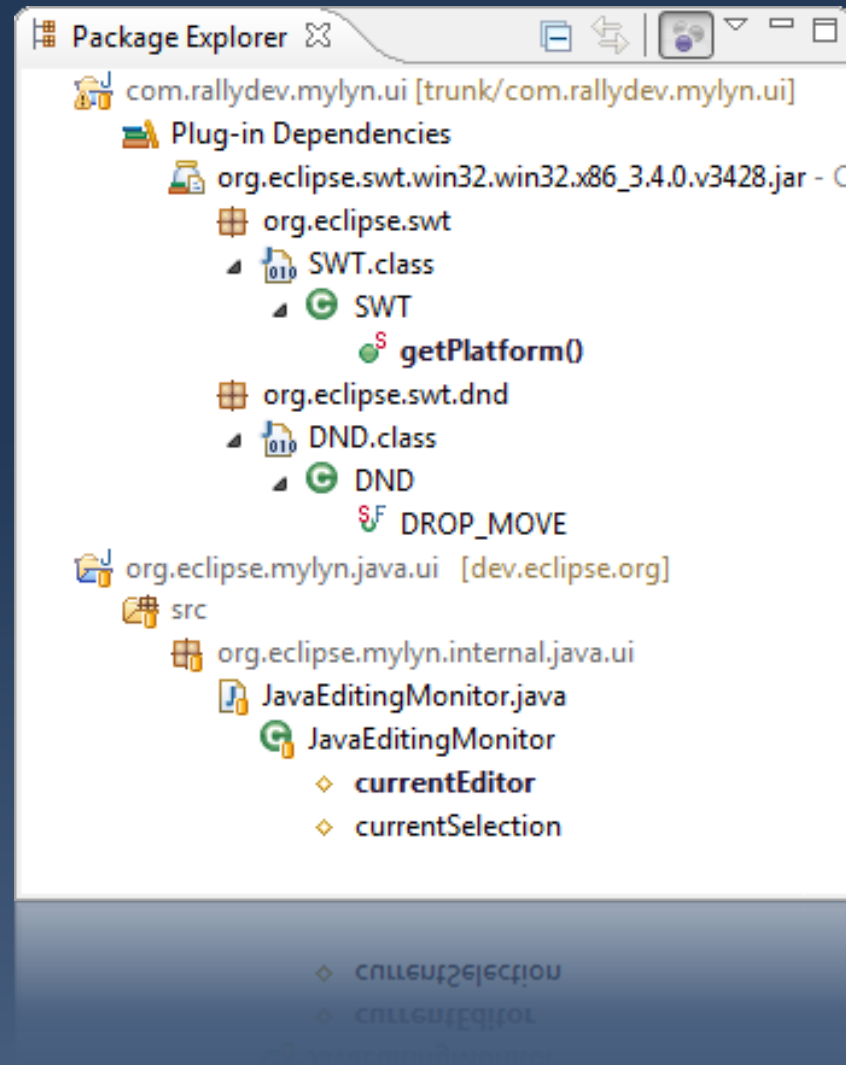


Inbox overload

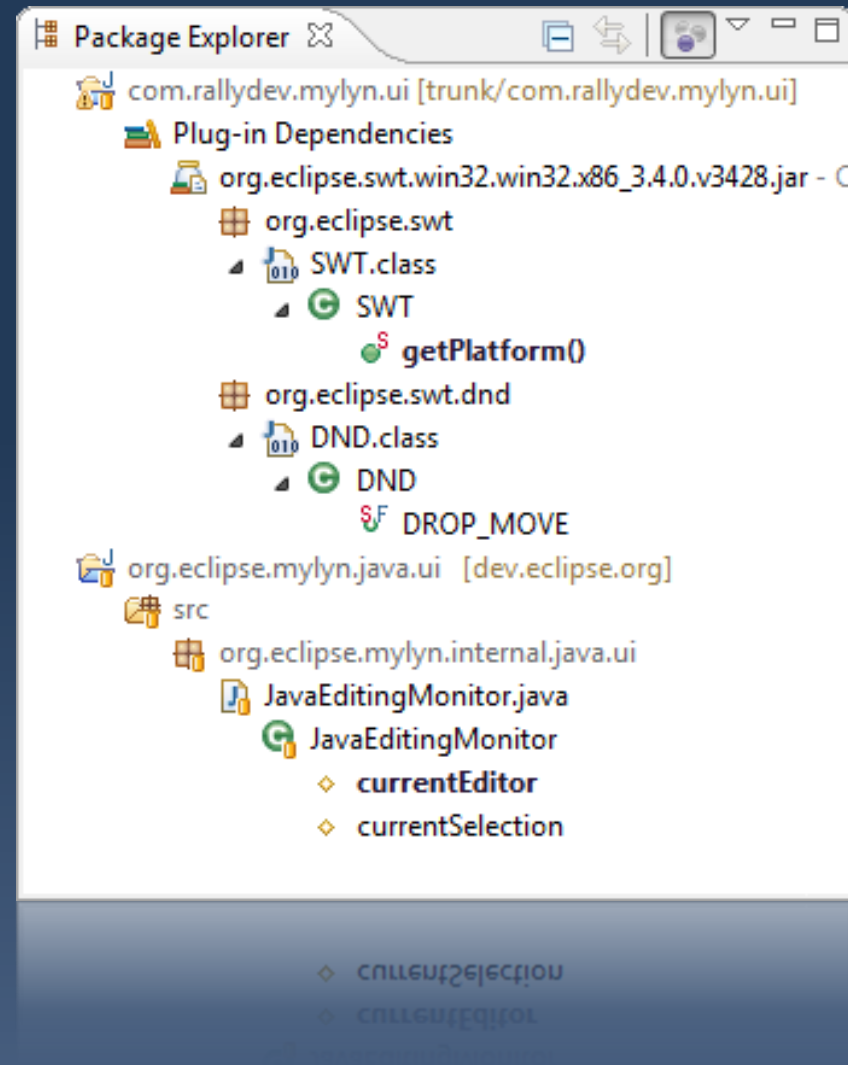
Friction + Distraction = :- (

Flow + Focus = :-)

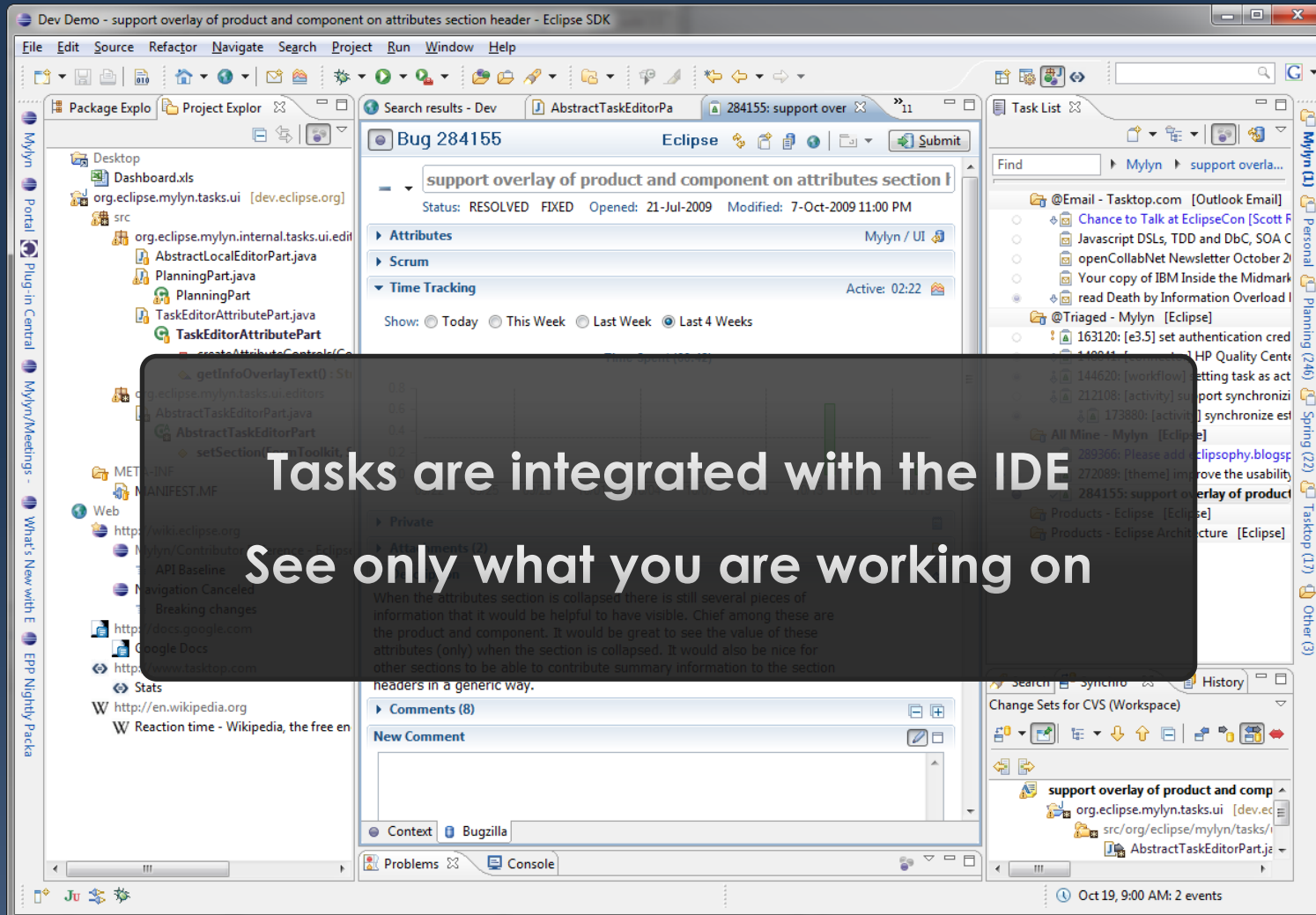
Demo: Tasks and Context



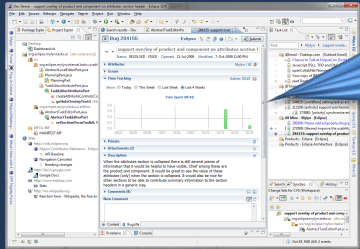
Demo: Multi-Tasking and Collaboration



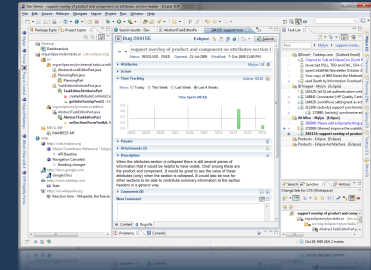
Task-Focused Interface



Contribution Workflow



How is this?



Approved!

Awesome!
Committed.

Integration tests failed!
Oops.

Look good.
Dude, can you verify?



Bugzilla







CVS



Hudson

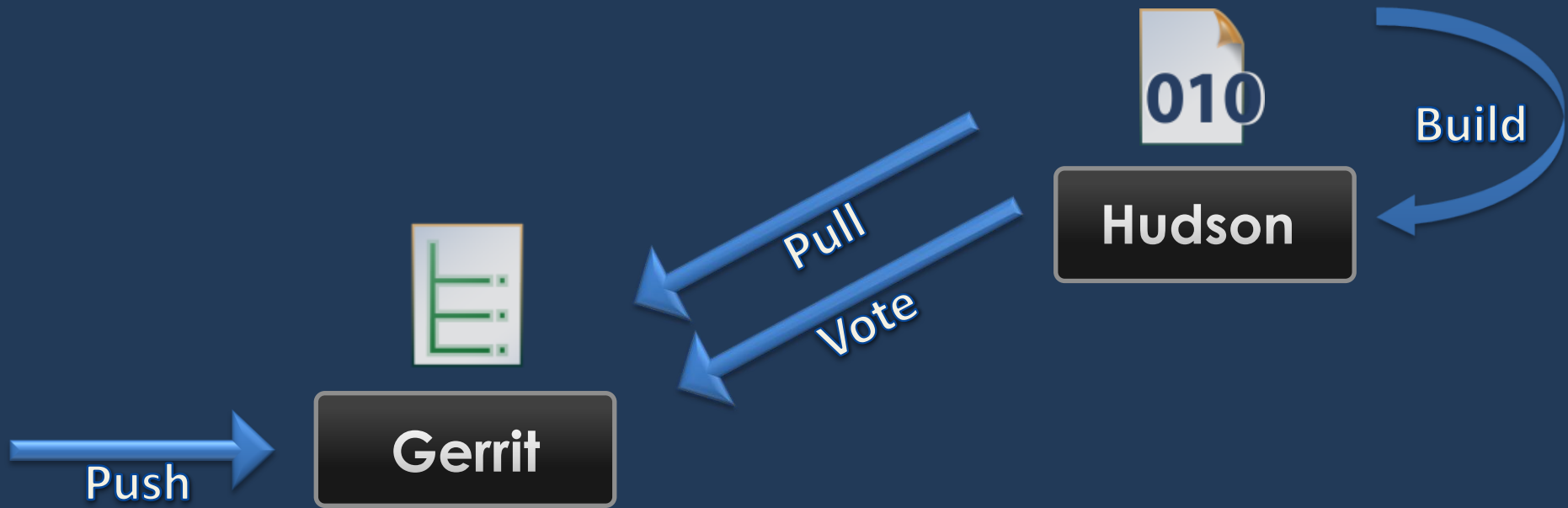
Patch based Code Reviews

-  Limited automation
-  Difficult to trace changes
-  Cumbersome process
-  Late feedback

Demo: Staged Commits

The image is a collage of overlapping screenshots from the Hudson CI/CD system, showing various views of a build process.

- Top-left window:** Displays "Build 38" for the project "mylyn-integration-e3.7". It shows the build plan, completion time (12.03.2011 00:45), and cause (Started by upstream). Below this, the "Test Results" section shows 1983 passed tests and 4 failed tests. A list of reviewers is shown, including Benjamin Muskalko, Shawn Pearce, Robin Stocker, and Robin Rosenberg. The "Changes" section lists several new bugs and updates.
- Bottom-left window:** Shows a list of changes, including "NEW - bug 336294: updat", "NEW - bug 336657: impro", "NEW - bug 336655: impro", "Bug 338669: Include work", "RESOLVED - bug 336657: updated to 3.7M6 spingel", and "NEW - bug 326252: add s".
- Center window:** Shows a code diff for the "public UnmodifiableDirCache" class. The diff includes a comment from Shawn Pearce dated 23-Jan: "Because the field is... method. Instead do...". The code shows a method that returns a new "UnmodifiableDirCache" instance if the current instance is null or outdated.
- Right window:** Shows the "Builds" summary for the "Eclipse" and "Mylyn" projects. It lists various build configurations and their test results. For example, "helios.runAggregator" has "No recent builds failed", while "indigo.runAggregator" has "2 out of the last 4 builds failed". The "Mylyn" section lists builds like "mylyn-heartbeat", "mylyn-heartbeat--conr", "mylyn-3.4.x-build-test", "mylyn-build-e3.5", "mylyn-build-e3.6", "mylyn-build-e4.0", and "mylyn-nightly", all showing "0 tests failing out of a total of..." or "0 tests in total".



Demo: Code Review

Build 38
Plan: mylyn-integration-e3.7
Completed on: 12.03.2011 00:45
Cause: Started by upstream: "mylyn-integration"

Test Results
Passed: 1983 Failed: 4 Ignore

Changes
NEW - bug 336294: update
NEW - bug 336657: improve
NEW - bug 336655: improve
Bug 338669: Include work
RESOLVED - bug 336657: updated to 3.7M6 spingel
NEW - bug 326252: add s

Review
Reviewers
Benjamin Muskall
Shawn Pearce
Robin Stocker
Robin Rosenberg
Add Reviewers...

Requirements
Verified +
Code Review +
IP Clean +

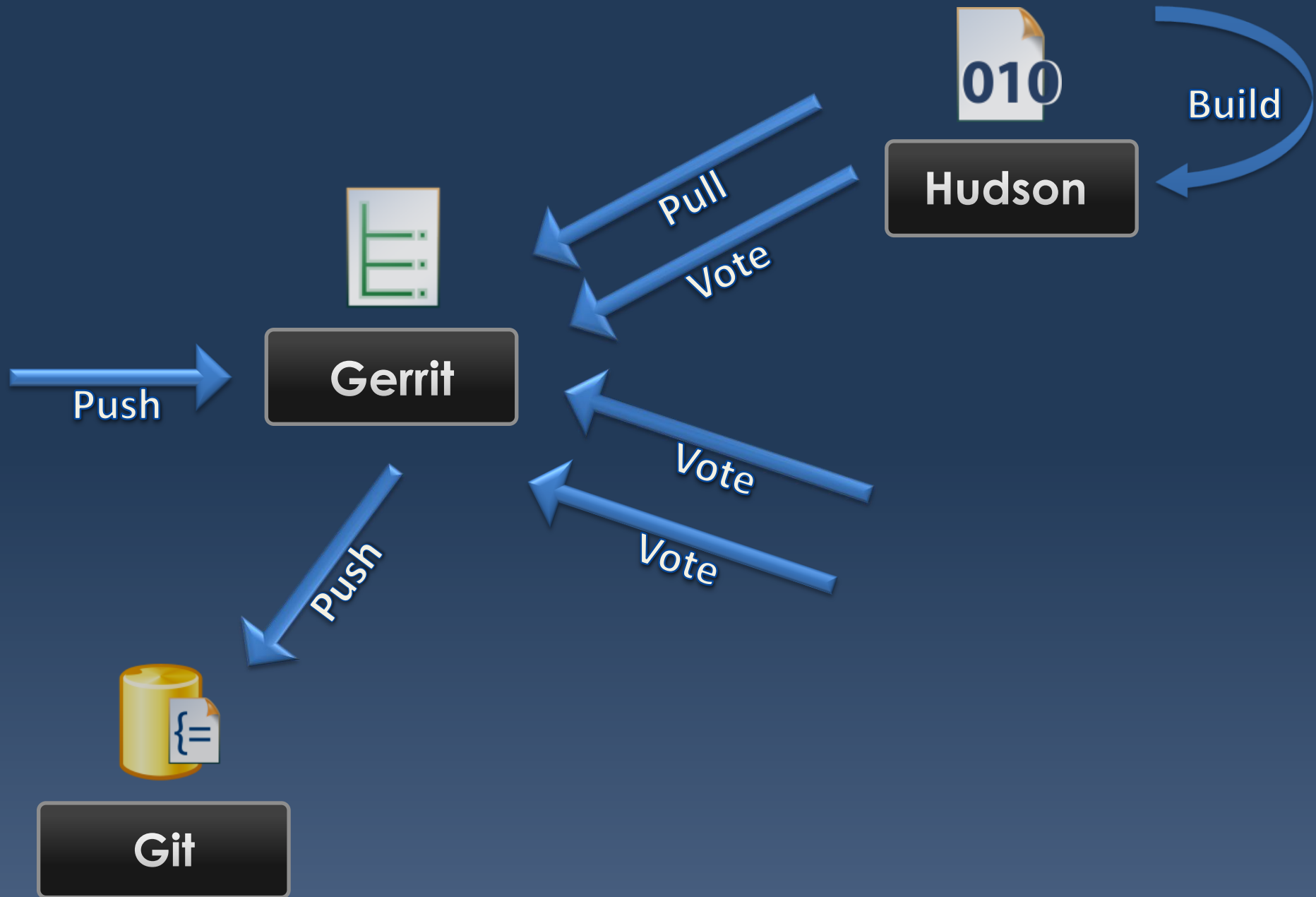
Depends On
[\[300bfa84\]](#): Fix bu

Patch Sets
Patch Set 1 35

```
/**  
 * @return an immutable DirCache instance. A new instance is created  
 *         current instance is outdated  
 * @throws NoWorkTreeException  
 * @throws CorruptObjectException  
 * @throws IOException  
 */  
public UnmodifiableDirCache  
    CorruptObjectException
```

Builds
Build Summary

- Eclipse [https://hudson.e]
 - helios.runAggregator No recent builds failed.
 - indigo.runAggregator 2 out of the last 4 builds failed.
- Mylyn [http://mylyn.eclipse]
 - mylyn--heartbeat 0 tests failing out of a total of 1,173 tests.
 - mylyn--heartbeat--conr 0 tests failing out of a total of 225 tests.
 - mylyn-3.4.x-build-test 7 tests failing out of a total of 5,552 tests.
 - mylyn-build-e3.5 0 tests in total.
 - mylyn-build-e3.6 No recent builds failed.
 - mylyn-build-e4.0 No recent builds failed.
 - mylyn-nightly 0 tests in total.



Mylyn 3.4



Tasks

Bugzilla

Trac

OSLC



Context

Java

C/C++



Versions

CVS



Docs

WikiText

Mylyn Evolution



Tasks

Bugzilla

Trac

OSLC



Context

Java

C/C++



Versions

CVS

Git

OSLC



Docs

WikiText

RichText



Builds

Hudson

OSLC



Reviews

Tasks

Gerrit

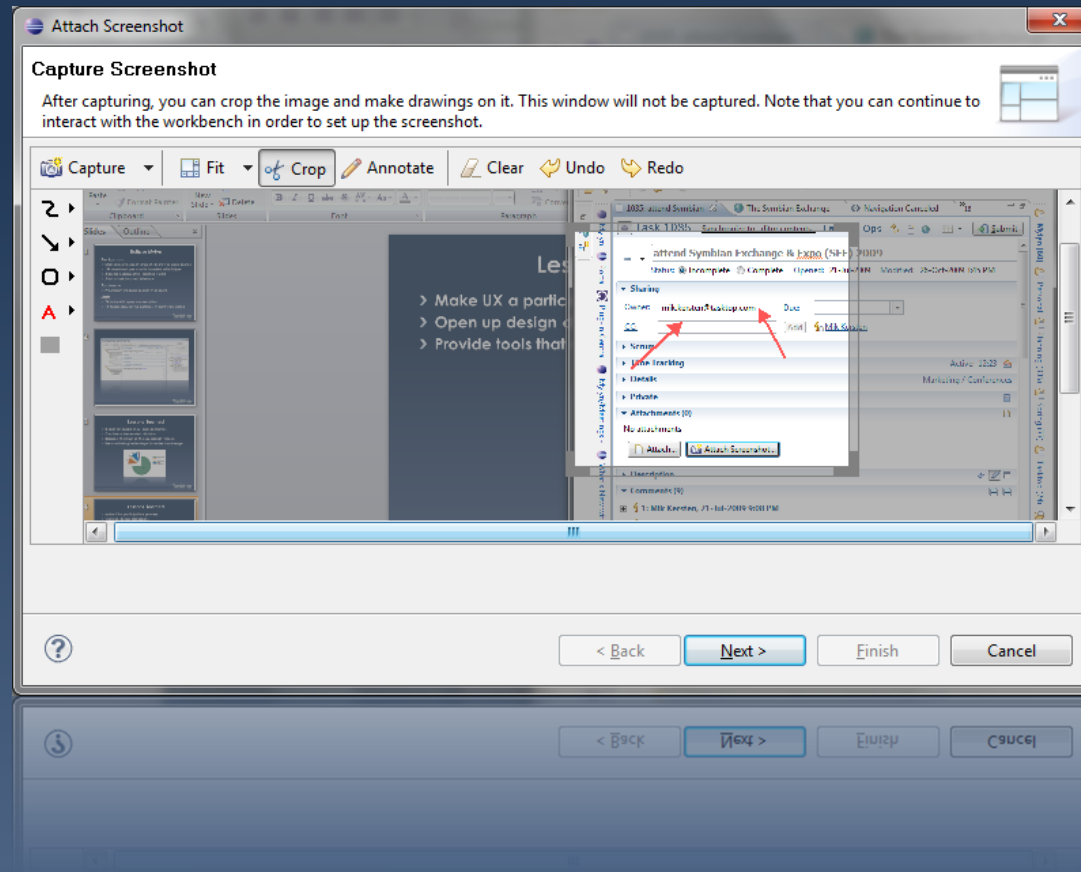
IEEE

Mylyn 3.6

- Released on June 22 as part of Eclipse Indigo
- Mylyn
 - <http://download.eclipse.org/mylyn/releases/latest>
- Hudson Connector
 - Task List > New Task... > Install More Connectors
- Gerrit Connector
 - <http://download.eclipse.org/reviews/update>
- EGit
 - <http://download.eclipse.org/egit/updates>

Building on Community

- One of the most transparent and permeable OSS projects
- 1/7th of tasks resolved by patch contributions, over 900



Questions?

Steffen Pingel <steffen.pingel@tasktop.com>