

# Eclipse Mylyn

## Connecting Agile, ALM and the IDE

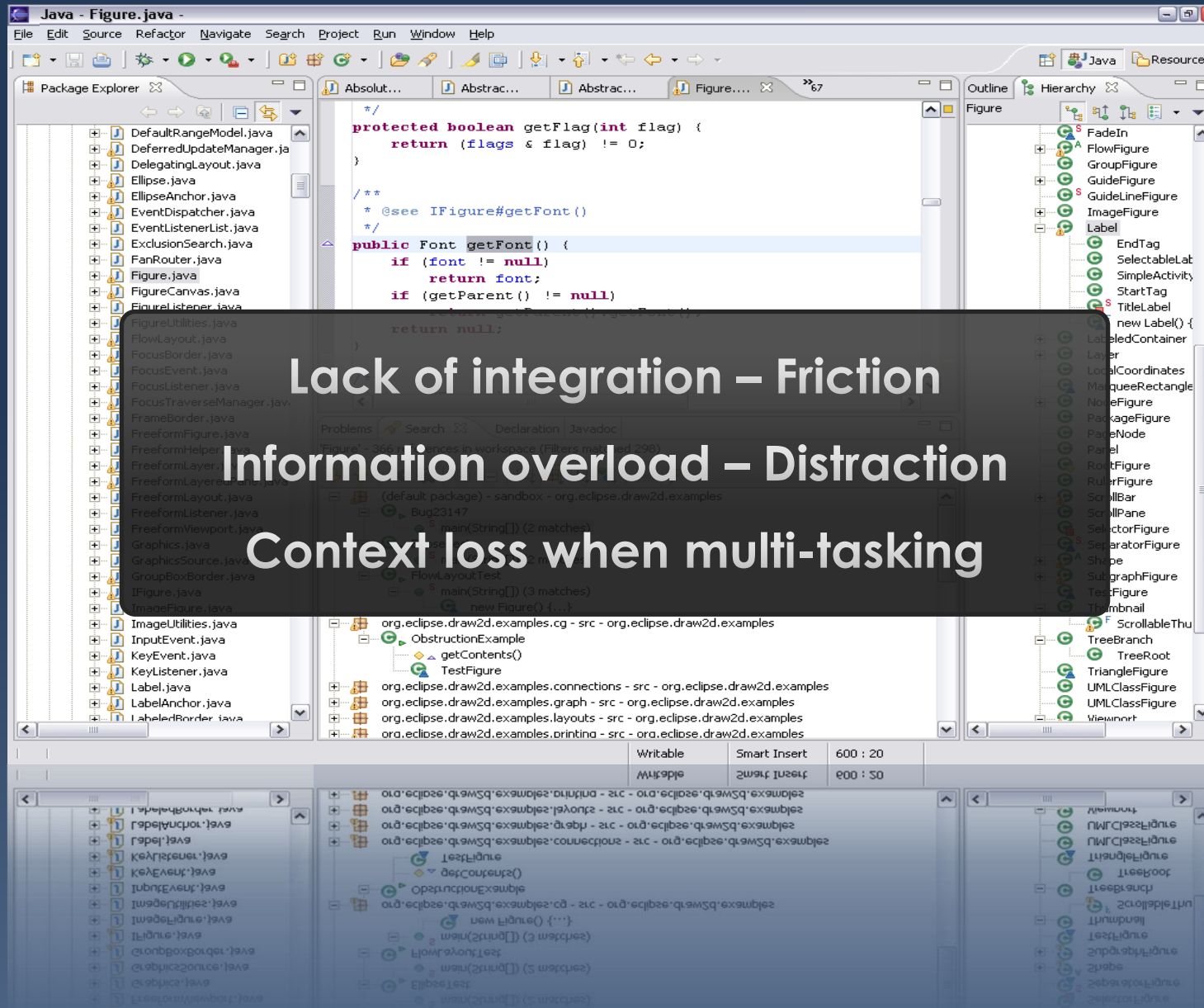
LinuxTag 2012

Steffen Pingel

Tasktop<sup>®</sup>



# 90% Irrelevant



# Where does the day go?



**Multitasking**



**Searching**



**Interruptions**

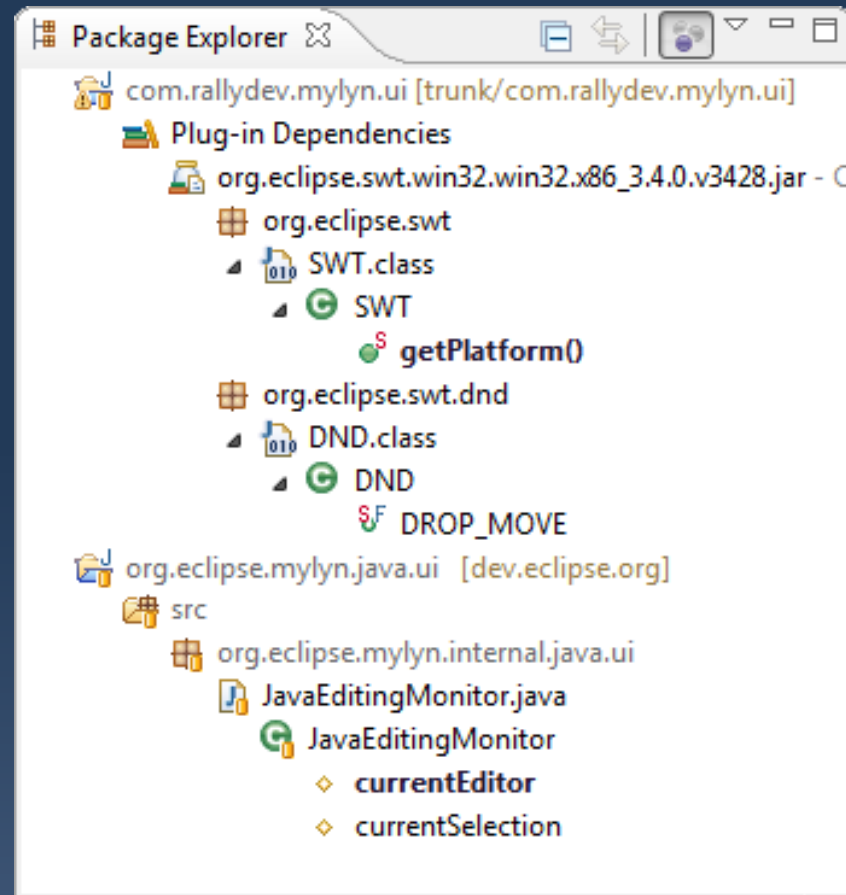


**Inbox overload**

Friction + Distraction = :-)

Flow + Focus = :-)

# Demo: Tasks and Context

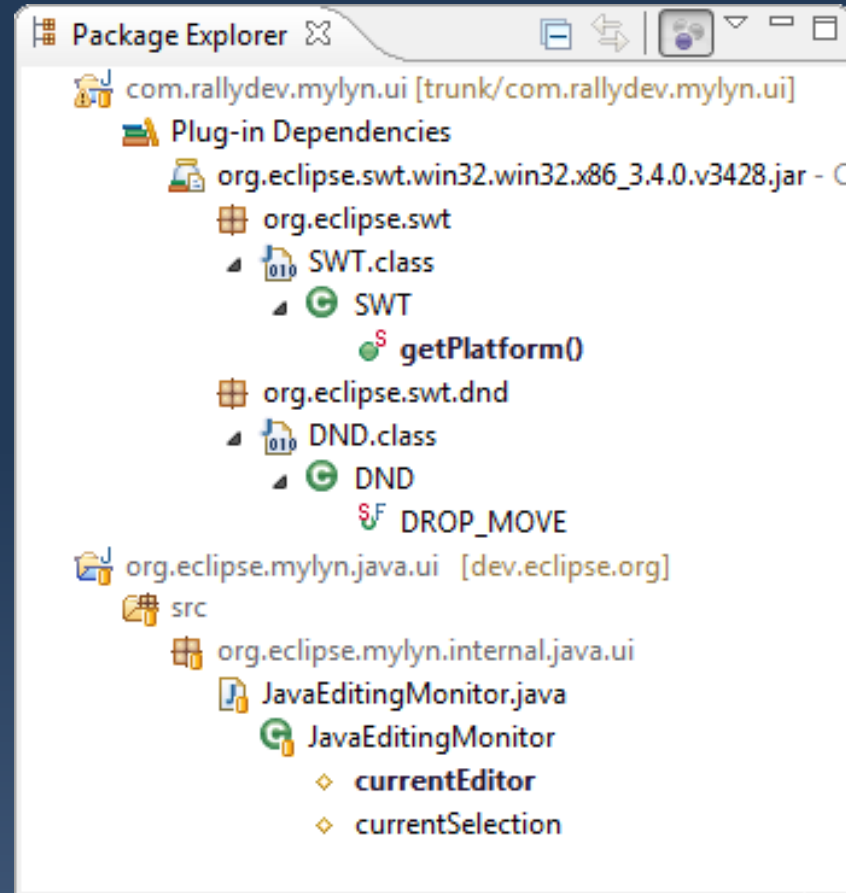


◇ currentSelection

◇ currentEditor

◇ JavaEditingMonitor

# Demo: Multi-Tasking and Collaboration



◇ currentSelection

◇ currentEditor

◇ JavaEditingMonitor

# Task-Focused Interface

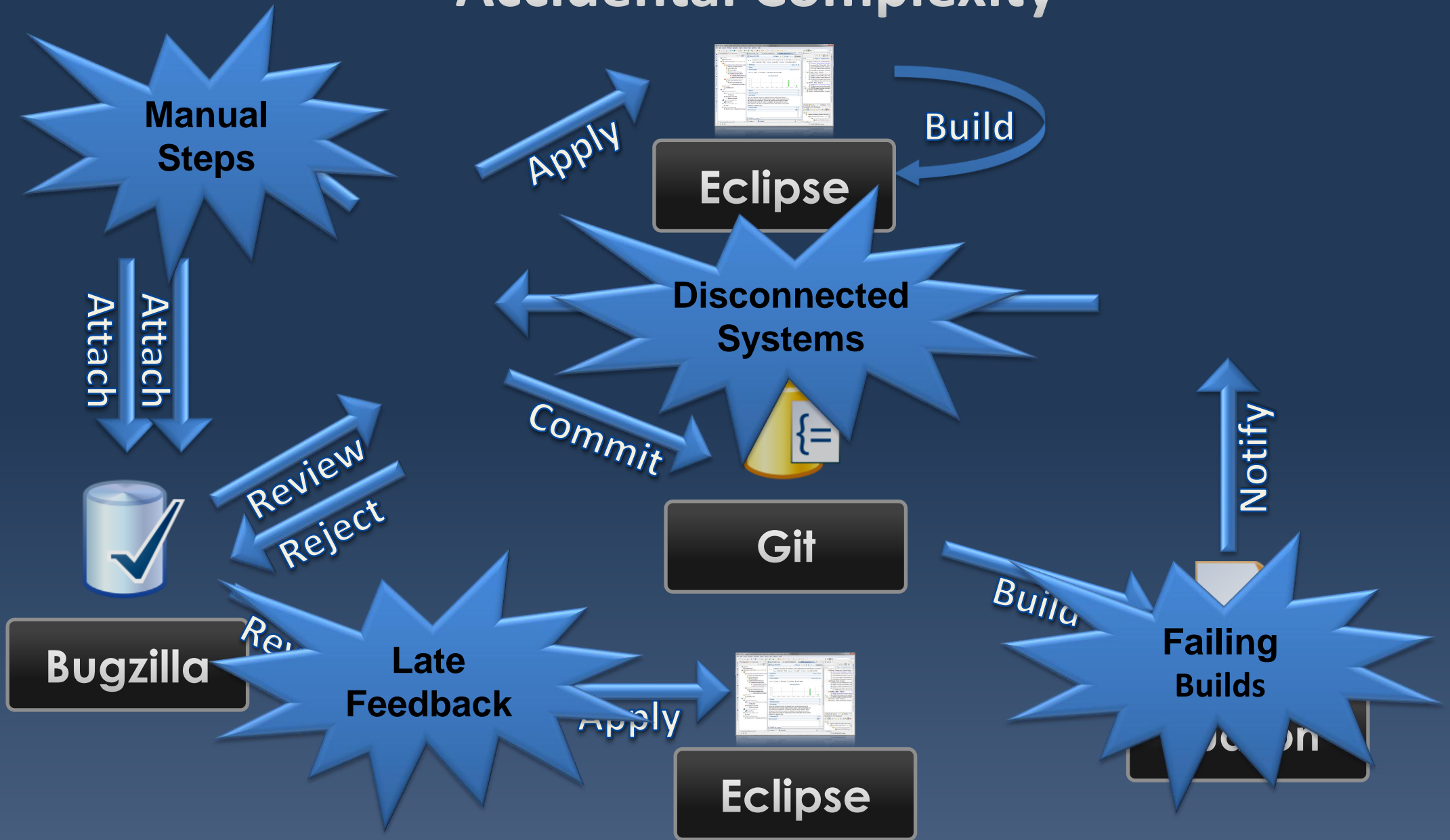
Tasks are integrated with the IDE  
See only what you are working on

The screenshot shows the Eclipse IDE with the following components visible:

- Package Explorer:** Shows the project structure for 'org.eclipse.myllyn.tasks.ui'.
- Search results - Dev:** Displays the details for 'Bug 284155', including its status (RESOLVED FIXED), dates, and sections for Attributes, Scrum, and Time Tracking.
- Task List:** Lists various tasks and emails, such as '@Email - Tasktop.com' and '@Triaged - Mylyn [Eclipse]'.
- Comments (8):** A section for adding new comments to the bug report, with a 'New Comment' text area and a 'Context' dropdown set to 'Bugzilla'.
- Problems and Console:** Located at the bottom of the IDE.



# Accidental Complexity



# Demo: Task-focused Development

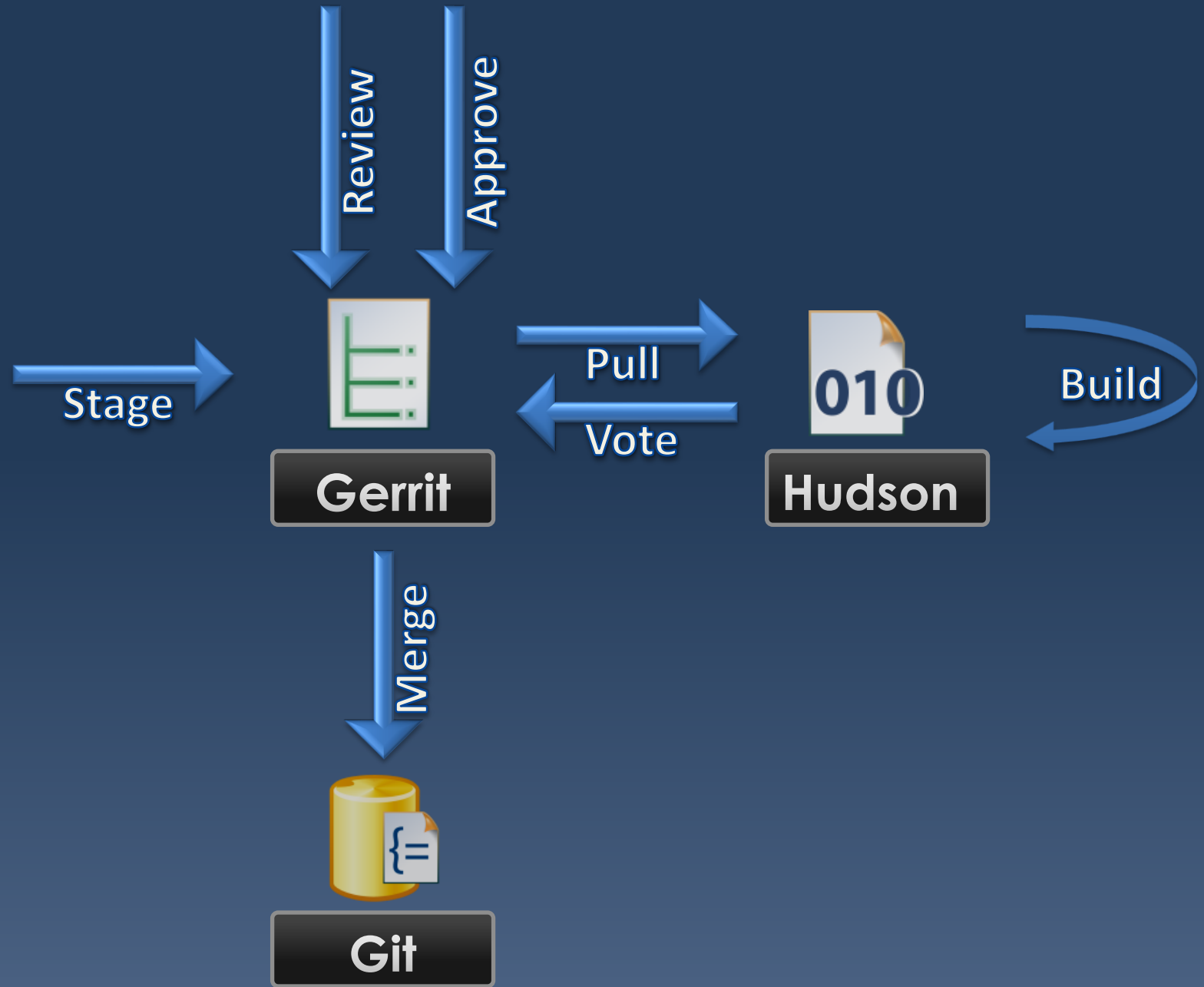
The image displays several overlapping screenshots from a development tool, likely Hudson or Jenkins, illustrating a task-focused development workflow. The screenshots are arranged in a layered, overlapping manner, showing different views of the system.

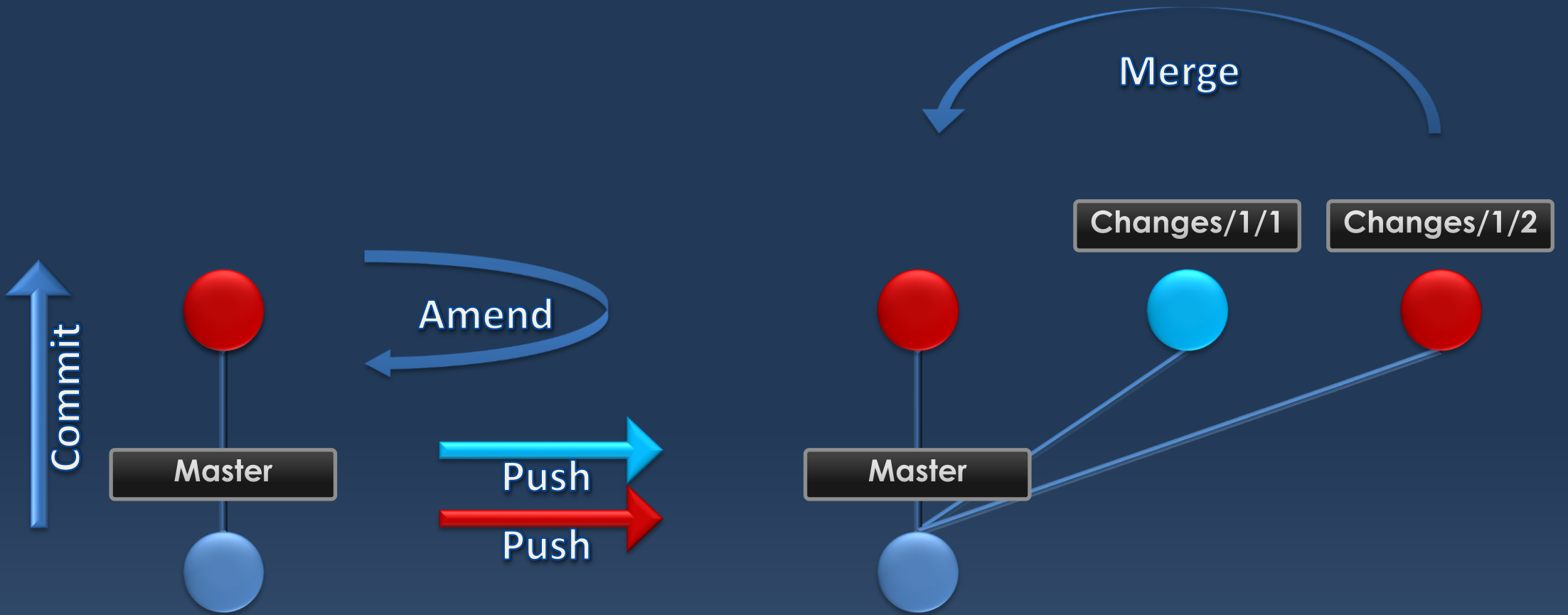
**Build 38 Screenshot:** Shows the build status for 'mylyn-integration-e3.7#38'. The plan is 'mylyn-integration-e3.7' and it is a 'Bulk' build. It was completed on 12.03.2011 00:45:05, caused by an upstream build. The test results show 1983 passed, 4 failed, and 4 ignored. A list of reviewers is shown: Benjamin Muskala, Shawn Pearce, Robin Stocker, and Robin Rosenberg. There is an 'Add Reviewers...' button. Below the reviewers, there are sections for 'Requirements' (Verified, Code Review, IP Clean) and 'Depends On' (with a link to [1300bfa84](#) for 'Fix bu'). There is also a 'Patch Sets' section with 'Patch Set 1 35'.

**Code Screenshot:** Shows a code snippet for a method that returns an immutable DirCache instance. The code is as follows:

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

**Builds Screenshot:** Shows a list of builds for 'Eclipse' and 'Mylyn'. The 'Eclipse' section shows 'helios.runAggregator' with 'No recent builds failed' and 'indigo.runAggregator' with '2 out of the last 4 builds failed'. The 'Mylyn' section shows 'mylyn--heartbeat' with '0 tests failing out of a total of 1,173 tests', 'mylyn--heartbeat--conr' with '0 tests failing out of a total of 225 tests', 'mylyn-3.4.x-build-test' with '7 tests failing out of a total of 5,552 tests', 'mylyn-build-e3.5' with '0 tests in total', 'mylyn-build-e3.6' with 'No recent builds failed', 'mylyn-build-e4.0' with 'No recent builds failed', and 'mylyn-nightly' with '0 tests in total'.





# Mylyn - Application Lifecycle Tools



**Tasks**

**Bugzilla**

**Trac**

**OSLC**



**Context**

**Java**

**C/C++**



**Versions**

**Git**

**Subclipse**

**CVS**



**Docs**

**WikiText**

**RichText**



**Builds**

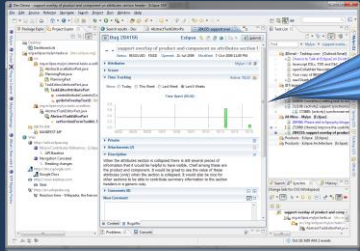
**Hudson**



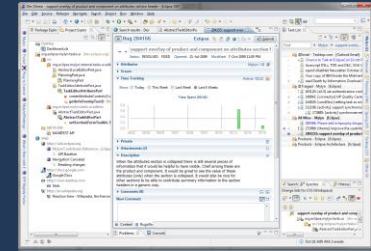
**Reviews**

**Gerrit**

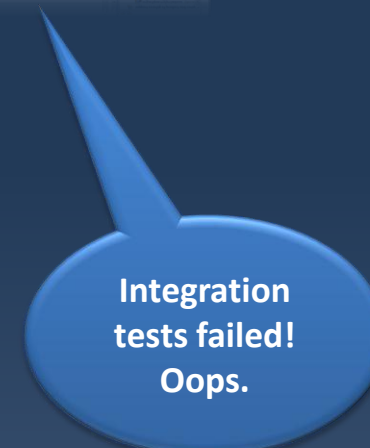
# Contribution Workflow



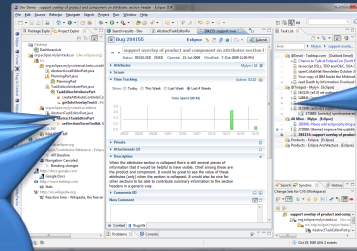
How is this?



Approved!



Integration tests failed!  
Oops.



Look good.  
Dude, can you verify?



Awesome!  
Committed.



Bugzilla



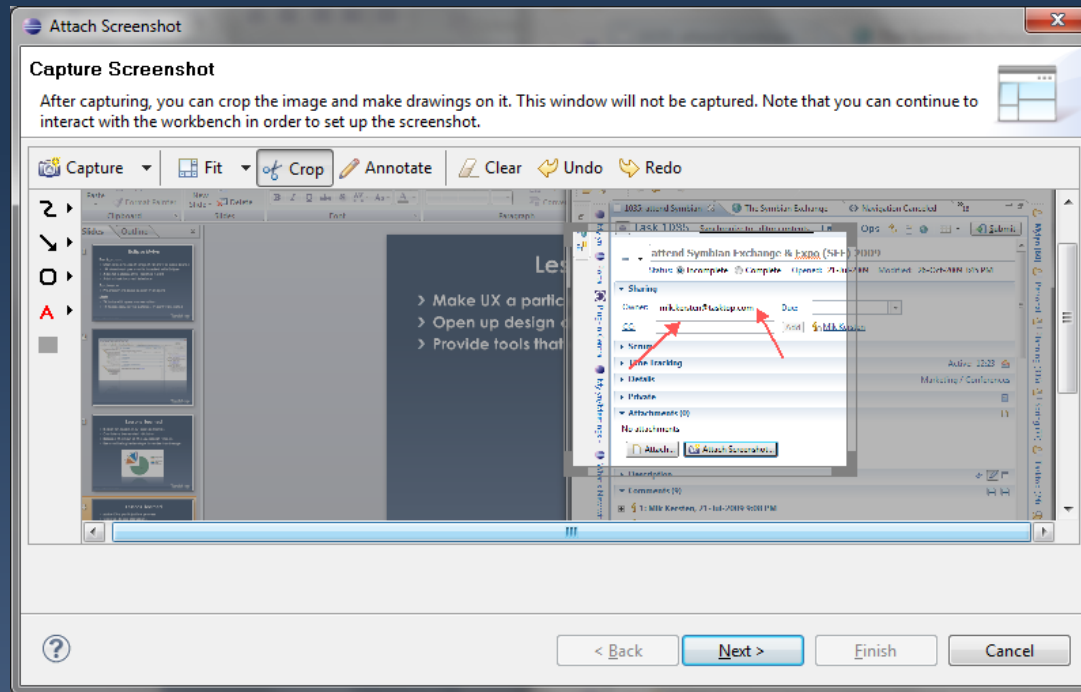
CVS



Hudson

# Building on Community

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



# Questions?

