

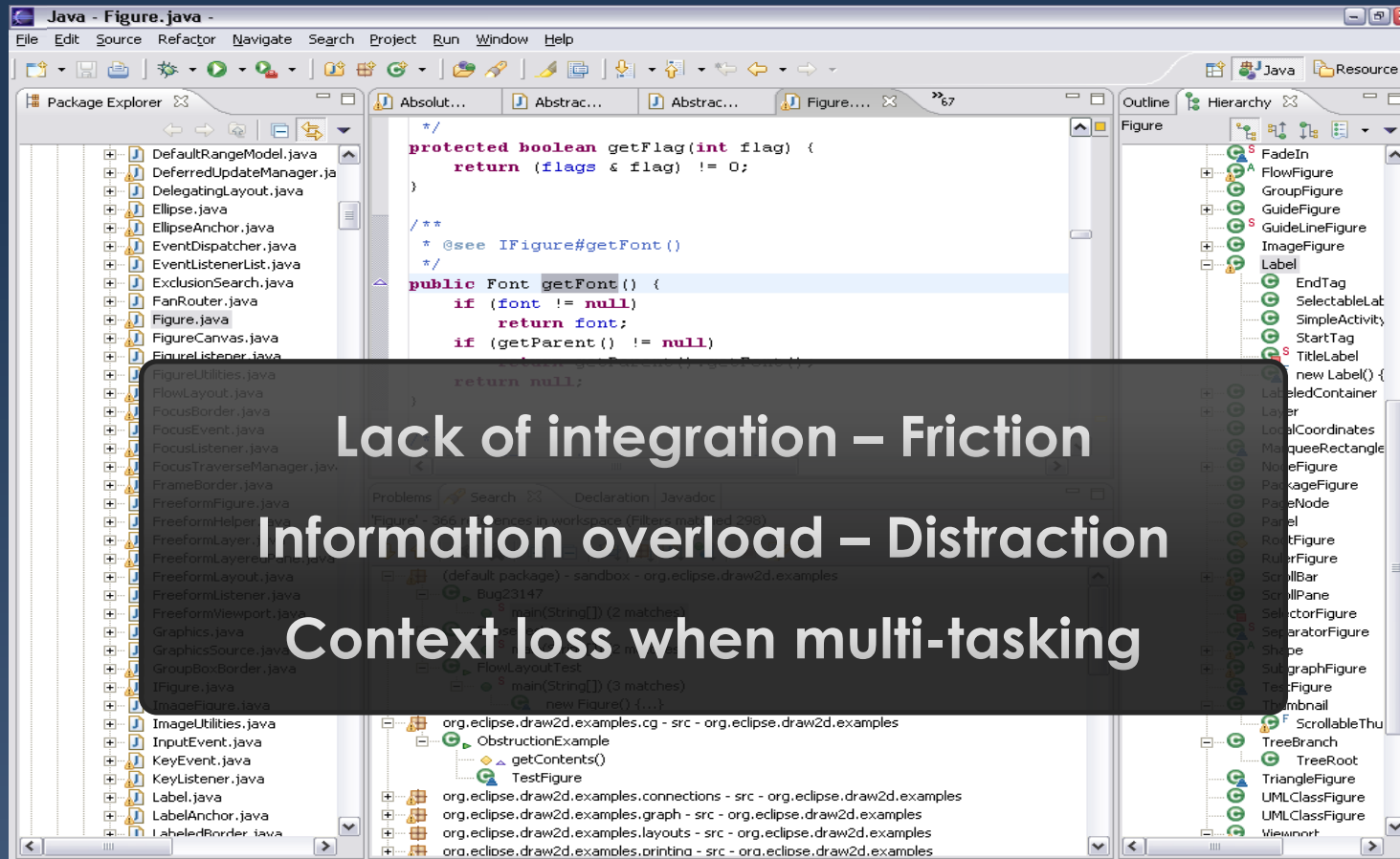
# Tired of SVN?

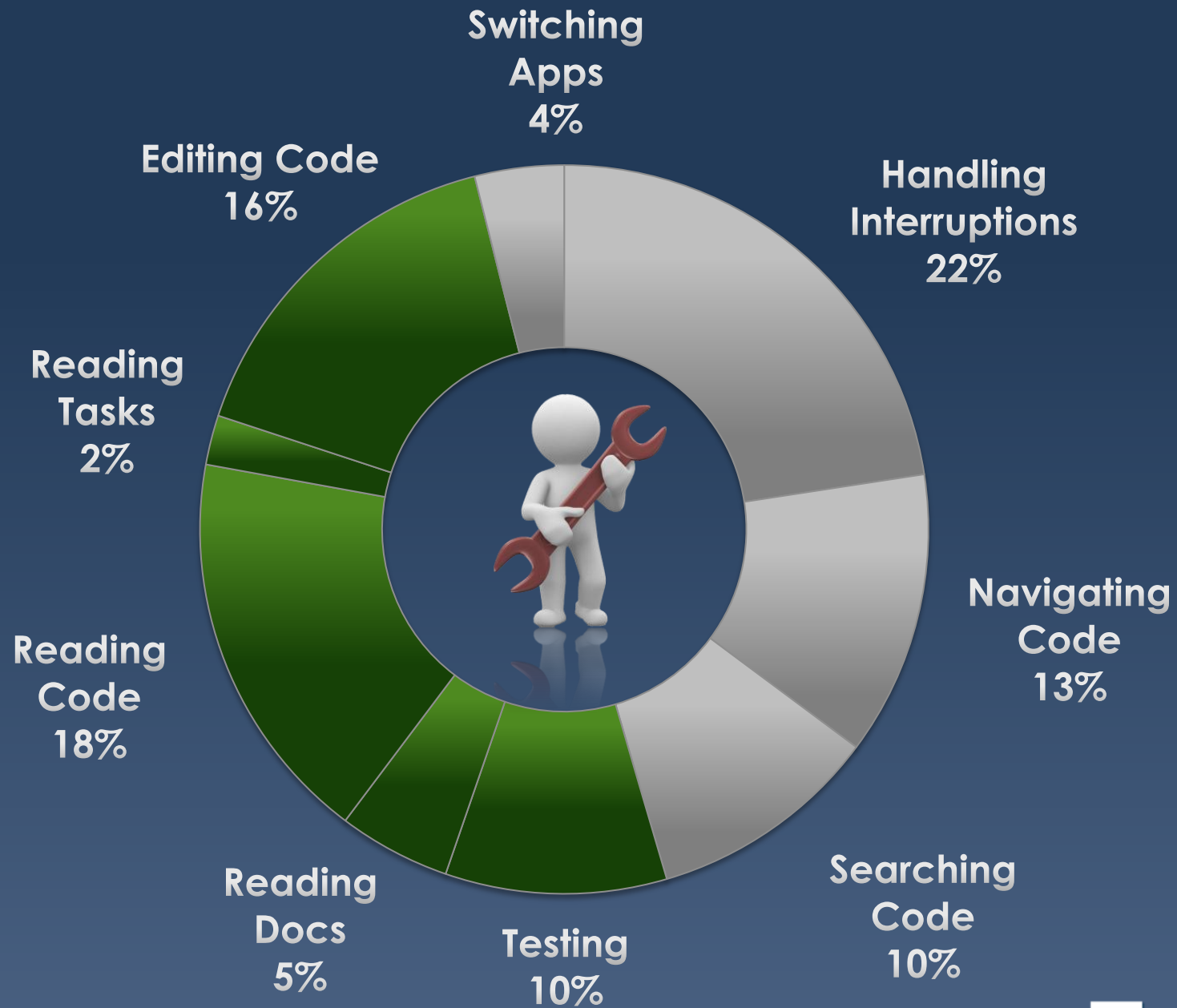


## Pimp your productivity with Git, Gerrit, Hudson and Mylyn

@bmuskalla

# 90% Irrelevant





Source: Ko, A. et al. IEEE TSE, 2006

# Task-Focused Interface

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

Dev Demo - support overlay of product and component on attributes section header - Eclipse SDK

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explo Project Explor Search results - Dev AbstractTaskEditorPa 284155: support over x11 Task List

Bug 284155 Eclipse Submit

support overlay of product and component on attributes section I

Status: RESOLVED FIXED Opened: 21-Jul-2009 Modified: 7-Oct-2009 11:00 PM

Attributes Mylyn / UI

Scrum

Time Tracking Active: 02:22

Show: Today This Week Last Week Last 4 Weeks

Comments (8)

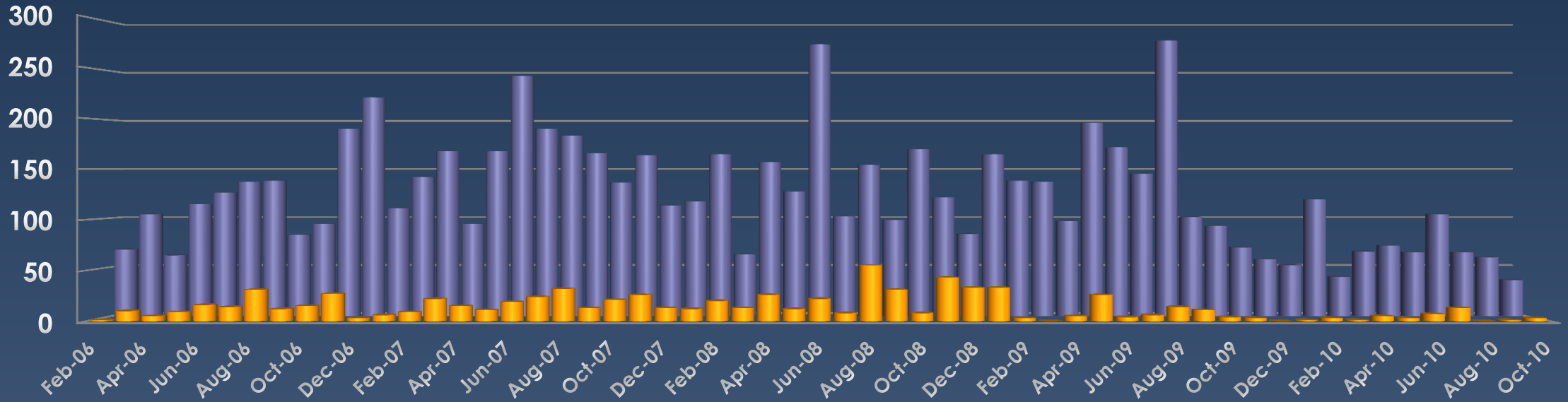
New Comment

Context Bugzilla

Problems Console

Oct 19, 9:00 AM: 2 events

# Mylyn Bugzilla



■ # Patches Applied ■ Resolved

Source: Eclipse.org

# Example Contribution

▼ Attachments (29)

Name	Description	Size	Creator
xml.py	Fetch from Bug.fields	332 bytes	charleywang@gmail.com <charleywang@gmail.com>
fields.txt	output of Bug.fields from Bugzilla	1.89 KB	charleywang@gmail.com <charleywang@gmail.com>
Task Context	mylyn/context/zip	6.84 KB	Frank@Frank-Becker.de <Frank@Frank-Becker.de>
status_settings.png	status_settings	21.97 KB	charleywang@gmail.com <charleywang@gmail.com>
status_settings.png	Status settings	21.83 KB	charleywang@gmail.com <charleywang@gmail.com>
Task Context	mylyn/context/zip	288.16 KB	charleywang@gmail.com <charleywang@gmail.com>
Apr-29-mylyn-patch-1324	patch v 1.0	66.83 KB	charleywang@gmail.com <charleywang@gmail.com>
Task Context	mylyn/context/zip	300.49 KB	charleywang@gmail.com <charleywang@gmail.com>
Patch	updated patch v 1.0	65.93 KB	Frank@Frank-Becker.de <Frank@Frank-Becker.de>
Task Context	mylyn/context/zip	36.44 KB	Frank@Frank-Becker.de <Frank@Frank-Becker.de>
May-7-patch-mylyn.txt	Patch for U		
Task Context	mylyn/conte		
Patch	updated Me		
Task Context	mylyn/conte		
Patch	Patch includ		
Task Context	mylyn/conte		
custom_wf_settings_may	Screenshot		
259291.txt	Patch with /		
Patch	Patch with /		
Task Context	mylyn/conte		
transformation.jpg	transformat		
Patch	updated pa		
Task Context	mylyn/conte		
Patch	Patch		
Task Context	mylyn/conte		
Patch	Patch 1.1		

▼ Comments (77)

► Older (45)

► Recent (20)

**29 Attachments**

**77 Comments**

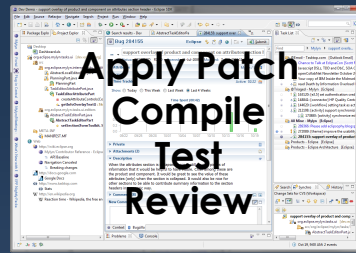
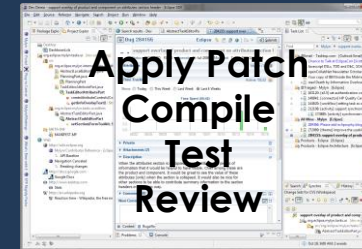
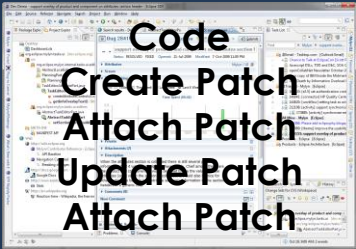
66: Frank Becker, 24-Jun-2010 2:19 PM  
(In reply to comment #65)  
> Thanks for putting in this effort Charley! Is the format of the file that  
> specifies the workflow transitions documented anywhere?  
>  
> Frank, please free to close this bug if we are all done here.

Yes, I think we can colse this bug.

67: Robert Elves, 24-Jun-2010 2:19 PM  
Frank, I just noticed that the RepositoryConfiguration serialVersionUID didn't get regenerated as part of this change.



# Contribution Workflow



**Bugzilla**



**CVS**



**Hudson**

# Demo

**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: upd...  
NEW - bug 336657: impro...  
NEW - bug 336655: impro...  
Bug 338669: Include work...  
RESOLVED - bug 336657: ...  
updated to 3.7M6 spingel...  
NEW - bug 326252: add s...

**Review**  
**Reviewers**  
Benjamin Muskala  
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 (

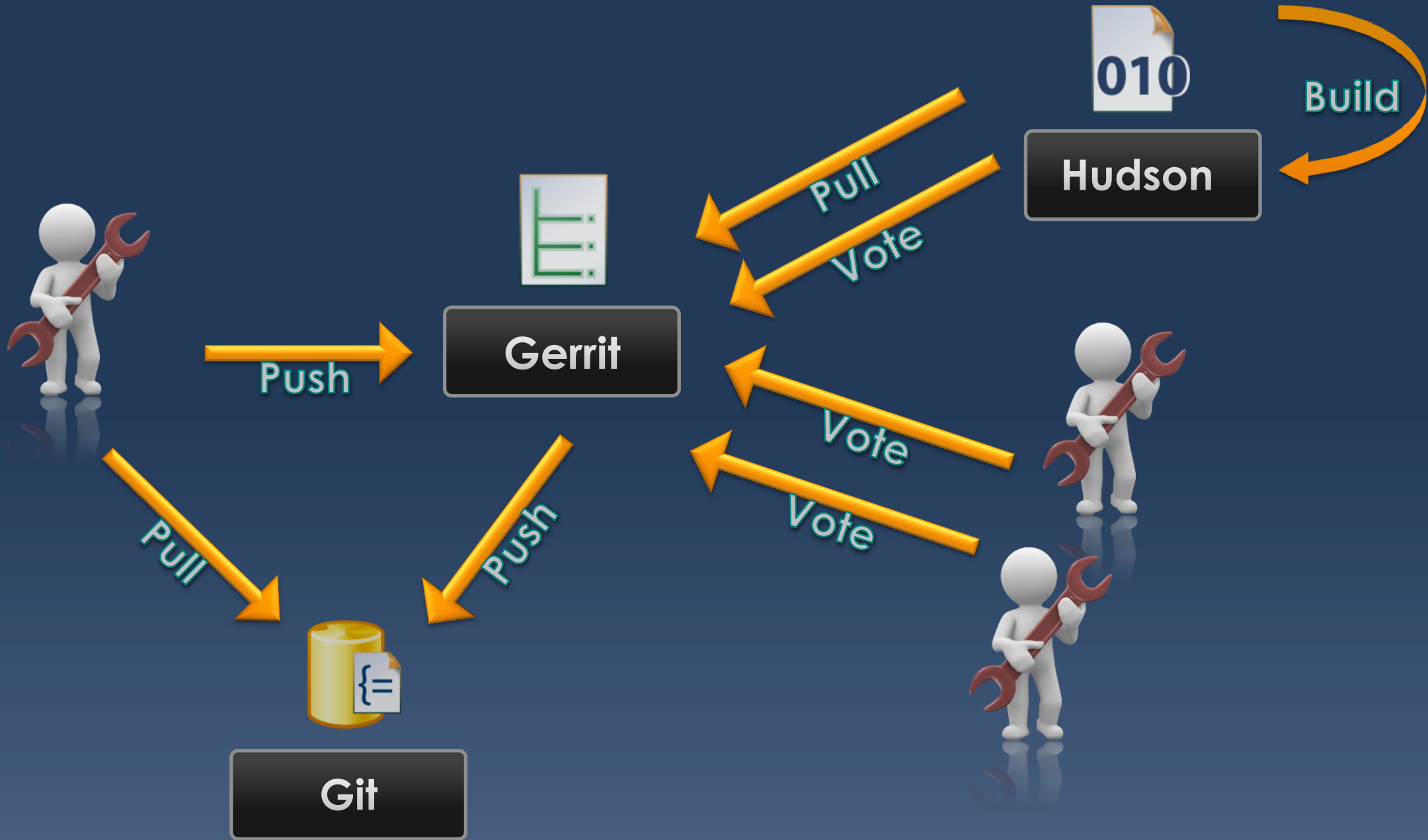
```
/**  
 * @return an immutable DirCache instance. A new instance is created  
 *         current instance is outdated  
 * @throws NoWorkTreeException  
 * @throws CorruptObjectException  
 * @throws IOException  
 */  
public UnmodifiableDirCache  
    CorruptObjectException
```

**Build Summary**

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.eclips...	
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.

Shawn Pearce 23-Jan  
Because the field is  
method. Instead do  
DirCache ro = read  
if (ro == null || ro.is  
ro = new Unmodifi  
readOnlyDirCache  
}  
return ro;





# 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





# Over 60 ALM Tools Supported



 **ALM**  **HP ALM / QC**  **IBM RTC**  **ClearQuest**

 **Microsoft TFS**  **Rally**  **ThoughtWorks**  **Accept**

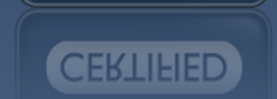
 **CollabNet**  **VersionOne**  **Atlassian**  **Polarion**

 **Bugzilla**  **Trac**  **Mantis**  **Smart Bear** **Gerrit** ...

 **SCM**  **CVS**  **Subversion**  **Git**

 **ClearCase**  **P4 Perforce** ...

 **Build**  **Go**  **Bamboo**  **Hudson/Jenkins**



# Mylyn 3.6

## Mylyn

- <http://download.eclipse.org/releases/indigo>
- <http://download.eclipse.org/mylyn/releases/3.5>

## Hudson Connector

- Task List > New Task... > Install More Connectors

## Gerrit Connector

- <http://download.eclipse.org/reviews/nightly>

## EGit

- <http://download.eclipse.org/egit/updates>

# Questions?



[tasktop.com](http://tasktop.com)

[@bmuskalla](https://twitter.com/bmuskalla)