

Productivity boost with Eclipse Mylyn, Git, Gerrit and Hudson

Java Forum
Stuttgart

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Tasktop[®]

Archive - Microsoft Outlook

File Edit View Go Tools Actions Help LinkedIn Adobe PDF

New | Search address books | Dashboard | Grab | Search

Tasks << Archive Search Archive

All Task Items

My Tasks

To-Do List

Tasks

Archive

Current View

Completed this week

Simple List

Detailed List

Active Tasks

Click here to add a new Task

Categories: (none) (23 Items)

Categories: admin (3 Items)

Categories: ajbrowser (12 Items)

Category: implement-all-options-and-finish-migration

Category: verify-behavior-of-usejavac-with-no-javac-present

Google Alert - mylyn - Message (HTML)

Message Developer Add-Ins

Reply Forward Delete Move to Folder Create Rule Other Actions

Block Sender Junk E-mail

Safe Lists

Categorize Follow Up Mark as Unread Options

Find Related Select Send to OneNote

Follow up. Start by Sunday, February 03, 2008. Due by Sunday, February 03, 2008.

From: Google Alerts [googlealerts-noreply@google.com] Sent: Sat 2/2/2008 1:21 PM

To: mik.kersten@gmail.com

Cc:

Subject: Google Alert - mylyn

Google Blogs Alert for: mylyn

Session restore feat of in Firefox with Mylyn

Bug List - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://bugs.eclipse.org/bugs/buglist.cgi?short_desc_type=allwordssut

Most Visited Getting Started Latest Headlines

Bugzilla - Bug List

Home | New | Search | Find | Reports | Requests | New Account | Log In | Terms of Use

Mon Aug 24 2009 23:14:41 -0400

210 bugs found.

ID	Sev	Pri	OS	Assignee	Status	Resolution	Summary
271252	nor	P1	Wind	mylyn-triaged@eclipse.org	NEW		[content assist] Insertion of best guessed arguments not working
212704	min	P1	Linu	mylyn-triaged@eclipse.org	NEW		[performance] notifications are causing slowing down
198501	enh	P1	Wind	mylyn-triaged@eclipse.org	NEW		[editor] make incoming and outgoing changes more prominent in the task editor
248377	enh	P1	All	mylyn-triaged@eclipse.org	NEW		redesign task list content provider
264584	enh	P1	All	mylyn-triaged@eclipse.org	RESO	DUPL	[editor] improve presentation of incoming/outgoing attributes
286963	enh	P1	All	mylyn-triaged@eclipse.org	NEW		add support for ignoring incoming notification on specified fields
243900	maj	P2	Wind	mylyn-triaged@eclipse.org	NEW		remove of Eclipse task repository undone after Eclipse restart
247863	maj	P2	All	mylyn-triaged@eclipse.org	NEW		[team] deadlock while creating a class
177625	nor	P2	Wind	mylyn-triaged@eclipse.org	NEW		do not blindly accept all certificates
266495	nor	P2	All	mylyn-triaged@eclipse.org	NEW		[CCombo] product drop down box should support some sort of filtering or fast selection by key
118542	min	P2	All	mylyn-triaged@eclipse.org	NEW		[context] open/close Java files leave interest on packages
160331	min	P2	All	mylyn-triaged@eclipse.org	NEW		[context] libraries lose interest too quickly
265046	min	P2	All	mylyn-triaged@eclipse.org	NEW		new task added to uncategorized warning always when gone into a query (via 'go into')
266496	min	P2	All	mylyn-triaged@eclipse.org	NEW		[team] Open Corresponding Task enabled for non context change sets
278143	min	P2	Mac	mylyn-triaged@eclipse.org	NEW		content assist shows all elements as ranked high (bar always at bottom of content assists popup)
284317	min	P2	Wind	mylyn-triaged@eclipse.org	NEW		support shared due dates for unsubmitted tasks
246497	tri	P2	All	mylyn-triaged@eclipse.org	NEW		provide clean up actions for automatic containers

Done

One paused download

Java - Figure.java

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

DefaultRangeModel.java

DeferredUpdateManager.java

DelegatingLayout.java

Ellipse.java

EllipseAnchor.java

EventDispatcher.java

EventListenerList.java

ExclusionSearch.java

FanRouter.java

Figure.java

FigureCanvas.java

FigureListener.java

FigureUtilities.java

FlowLayout.java

FocusBorder.java

FocusEvent.java

FocusListener.java

FocusTraverseManager.java

FrameBorder.java

FreeformFigure.java

FreeformHelper.java

FreeformLayer.java

FreeformLayeredPane.java

FreeformLayout.java

FreeformListener.java

FreeformViewPort.java

Graphics.java

GraphicsSource.java

GroupBoxBorder.java

IFigure.java

ImageFigure.java

ImageUtilities.java

InputEvent.java

KeyEvent.java

KeyListener.java

Label.java

LabelAnchor.java

LabeledBorder.java

protected boolean getFlag(int flag) {
 return (flag & flag) != 0;
}

/**
 * @see IFigure#getFont()
 */
 public Font getFont() {
 if (font != null)
 return font;
 if (getParent() != null)
 return getParent().getFont();
 return null;
}

Outline Hierarchy

Figure

FadeIn

FlowFigure

GroupFigure

GuideFigure

GuideLineFigure

ImageFigure

Label

EndTag

SelectableLat

SimpleActivty

StartTag

TitleLabel

new Label() {

LabeledContainer

Layer

LocalCoordinates

MarqueeRectangle

NodeFigure

PackageFigure

PageNode

Panel

RootFigure

RulerFigure

ScrollBar

ScrollPane

SelectorFigure

SeparatorFigure

Shape

SubgraphFigure

TestFigure

Thumbnail

ScrollableTh

TreeBranch

TreeRoot

TriangleFigure

UMLClassFigure

UMLClassFigure

ViewerWinet

Problems Search Declaration Javadoc

'Figure' - 366 references in workspace (Filters matched 298)

(default package) - sandbox - org.eclipse.draw2d.examples

Bug23147

main(String[]) (2 matches)

EllipseTest

main(String[]) (2 matches)

FlowLayoutTest

main(String[]) (3 matches)

new Figure() { ... }

org.eclipse.draw2d.examples.cg - src - org.eclipse.draw2d.examples

ObstructionExample

getContents()

TestFigure

org.eclipse.draw2d.examples.connections - src - org.eclipse.draw2d.examples

org.eclipse.draw2d.examples.graph - src - org.eclipse.draw2d.examples

org.eclipse.draw2d.examples.layouts - src - org.eclipse.draw2d.examples

org.eclipse.draw2d.examples.printing - src - org.eclipse.draw2d.examples

Writable Smart Insert 600 : 20

90% Irrelevant

Lack of integration – Friction
Information overload – Distraction
Context loss when multi-tasking

Where does the day go?



Multitasking



Searching



Interruptions

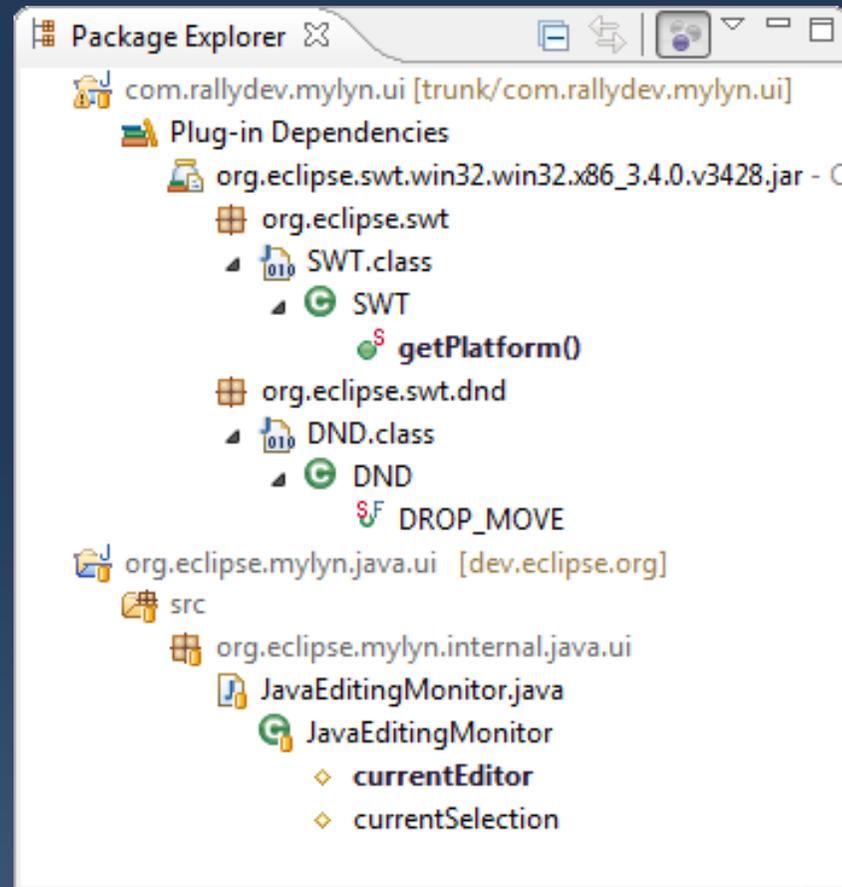


Inbox overload

Friction + Distraction = :-)

Flow + Focus = :-)

Demo: Tasks and Context

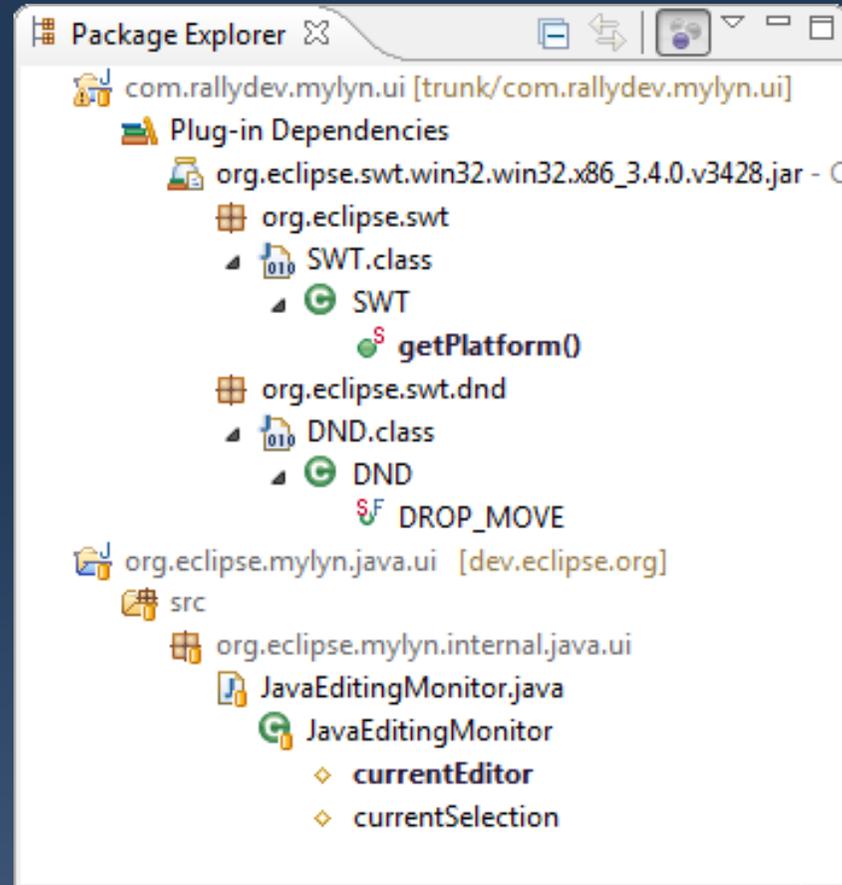


◇ currentSelection

◇ currentEditor

◇ currentSelection

Demo: Multi-Tasking and Collaboration

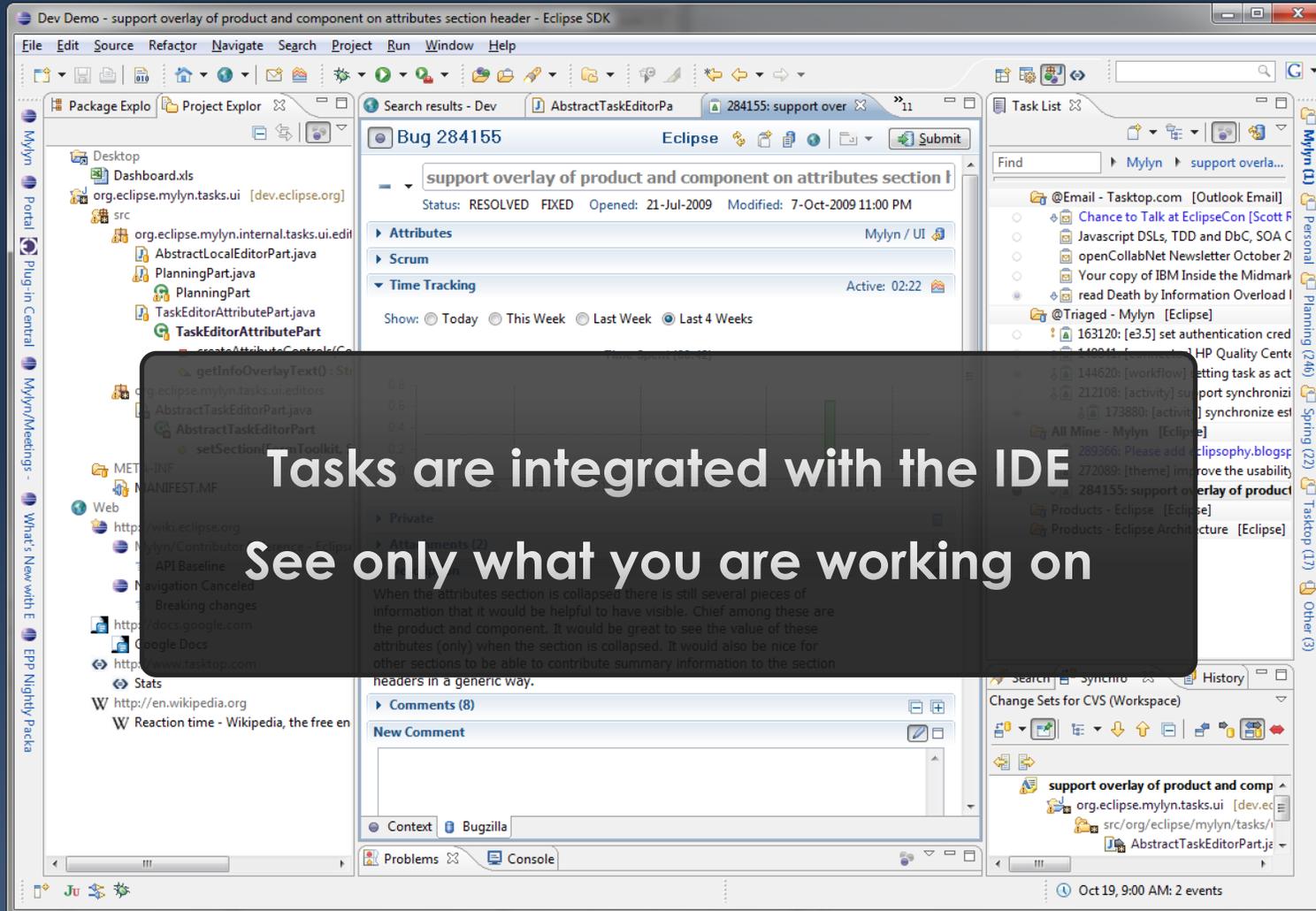


◇ currentSelection

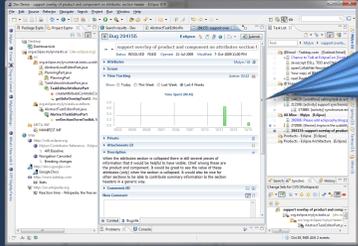
◇ currentEditor

◇ currentSelection

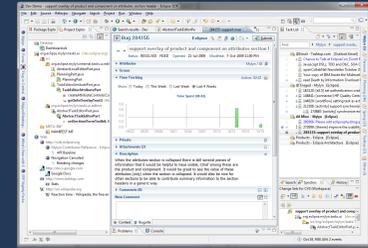
Task-Focused Interface



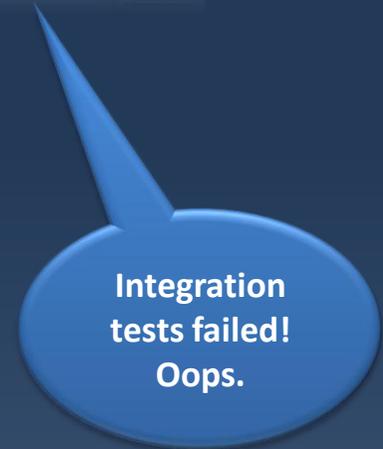
Contribution Workflow



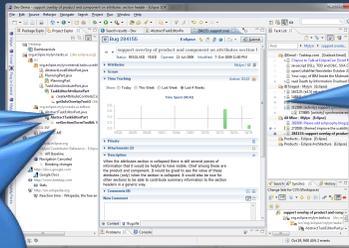
How is this?



Approved!



Integration tests failed!
Oops.



Look good.
Dude, can you verify?



Awesome!
Committed.



Bugzilla



CVS



Hudson

Patch based Code Reviews

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

Demo: Staged Commits

The image shows a Hudson CI system interface with several overlapping windows. The top window displays build details for 'mylyn-integration-e3.7#38', including a list of reviewers (Benjamin Muskalla, Shawn Pearce, Robin Stocker, Robin Rosenberg) and a 'Test Results' section showing 1983 passed and 4 failed tests. A 'Changes' section lists recent updates and bug fixes. A code diff window shows a change to a Java method, with a comment from Shawn Pearce explaining the change. A 'Builds' summary window lists various build configurations and their test results.

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

Review
Reviewers
Benjamin Muskalla
Shawn Pearce
Robin Stocker
Robin Rosenberg

Test Results
Passed: 1983 Failed: 4 Ignore

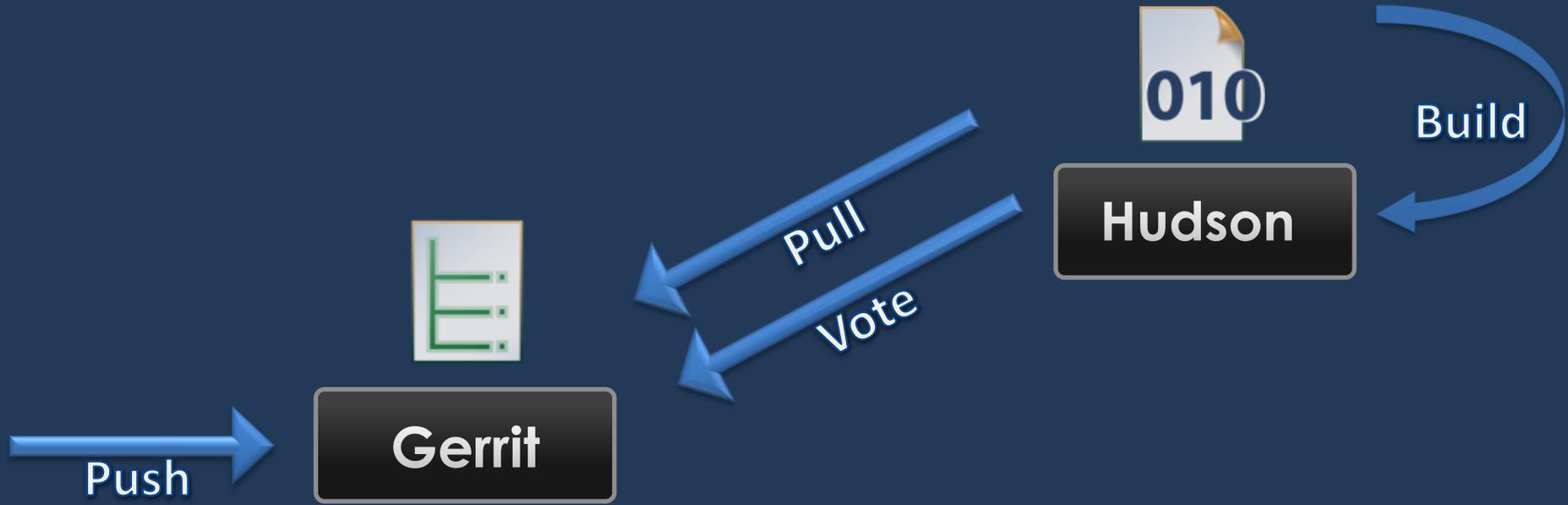
Changes
NEW - bug 336294: update
NEW - bug 336657: improve
NEW - bug 336655: improve
Bug 338669: Include work
RESOLVED - bug 336657: update to 3.7M6
NEW - bug 326252: add s

```
/**  
 * @return an immutable DirCache instance. A new instance is created  
 *         current instance is outdated  
 * @throws NoWorkException  
 * @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.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;



Demo: Code Review

The image shows a Hudson CI/CD interface with several overlapping windows. The main window displays build details for 'mylyn-integration-e3.7#38'. It includes a 'Review' section with a list of reviewers: Benjamin Muskall, Shawn Pearce, Robin Stocker, and Robin Rosenberg. Below this is a 'Requirements' section with a table of requirements and their status. A 'Patch Sets' section shows a patch set for '1300bfa84: Fix bu...'. A 'Builds' window is open, showing a summary of builds for 'Eclipse' and 'Mylyn'. The 'Mylyn' section lists various build configurations and their test results.

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

Test Results
Passed: 1983 Failed: 4 Ignore

Changes
NEW - bug 336294: upda
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 Muskall
Shawn Pearce
Robin Stocker
Robin Rosenberg
Add Reviewers...

Requirements
Verified +
Code Review +
IP Clean +

Depends On
[1300bfa84](#): Fix bu

Patch Sets
Patch Set 1 35

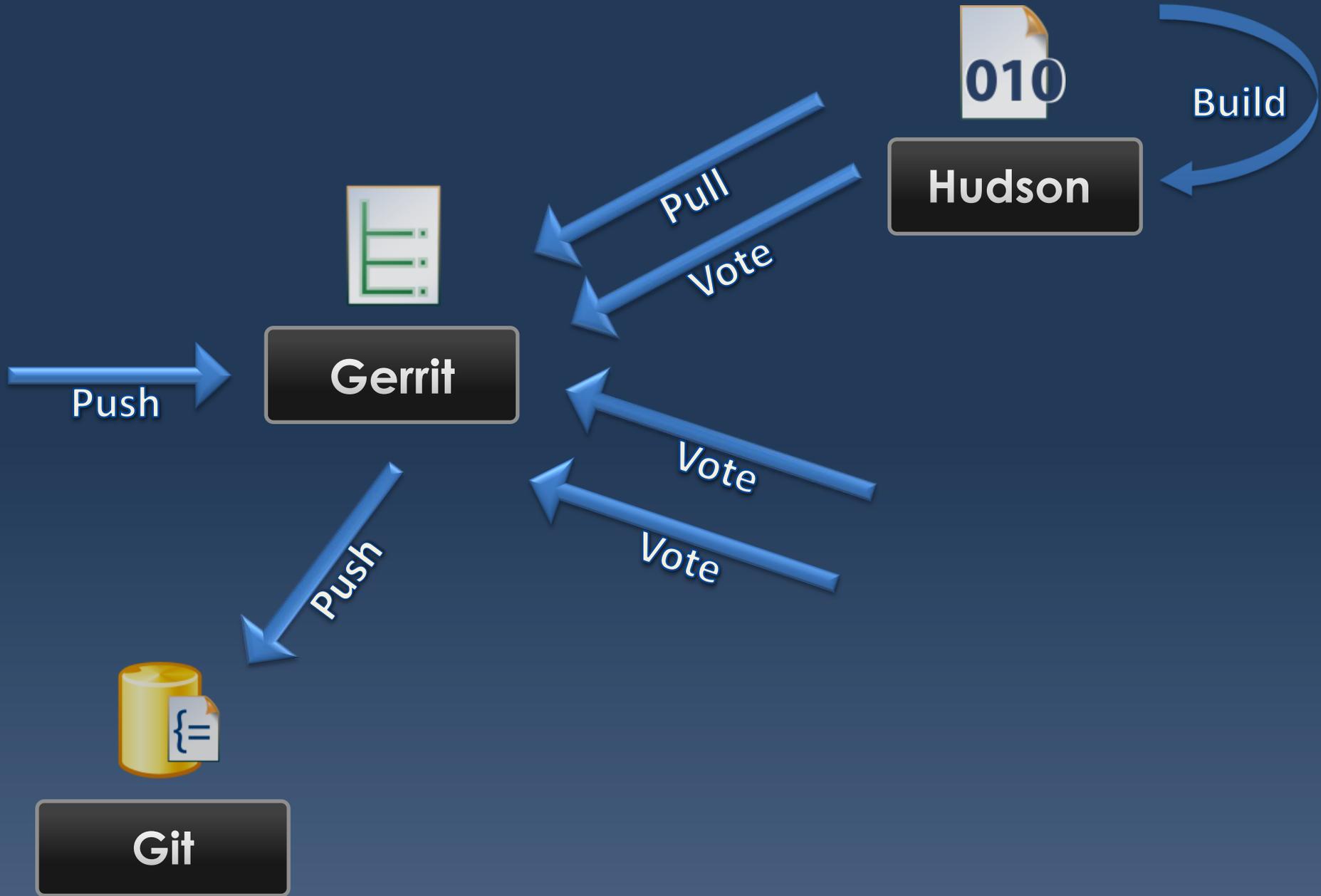
Builds
Build Summary

Eclipse [https://hudson.e...]
helios.runAggregator ☀️ No recent builds failed.
indigo.runAggregator ☁️ 2 out of the last 4 builds failed.

Mylyn [http://mylyn.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.

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

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

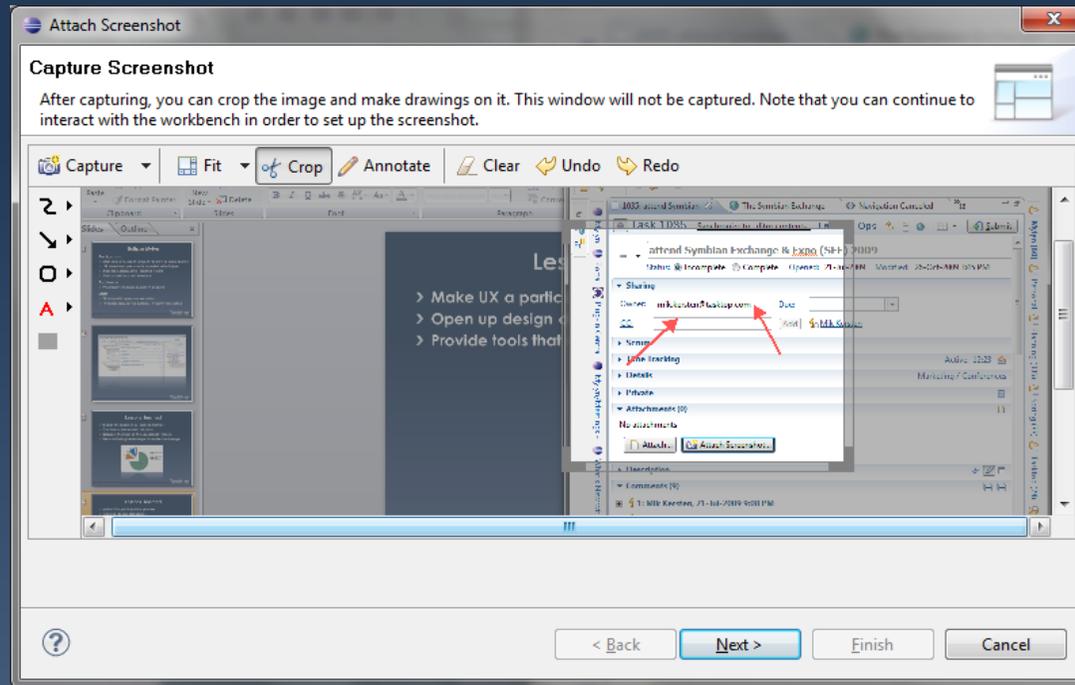
IEEE

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?

Questions?