

Mylyn

Increasing developer productivity

Oliver Gierke - Synyx GmbH & Co. KG - gierke@synyx.de

- Oliver Gierke
- Software Architect
- Head of R&D

- JavaEE / Spring
- OpenSource
- Productivity
- Agile development

Eclipse?

Mylyn?

Focus

Focus

Productivity

Focus

Productivity

Traceability

Focus

Productivity

Traceability



FOCUS



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 (flags & flag) != 0;
}

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

Outline Hierarchy

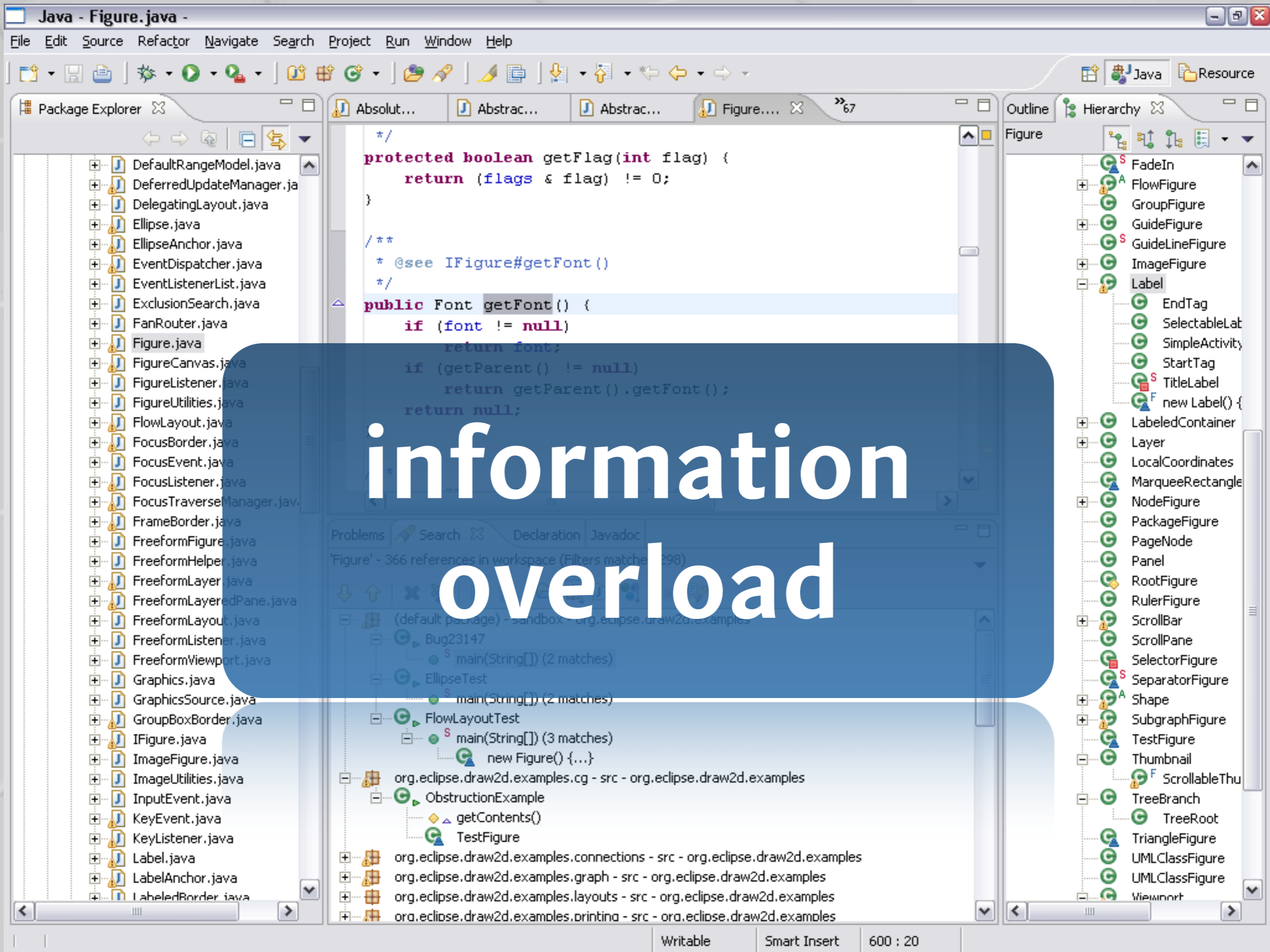
Figure

- FadeIn
- FlowFigure
- GroupFigure
- GuideFigure
- GuidelineFigure
- ImageFigure
- Label
 - EndTag
 - SelectableLabel
 - SimpleActivity
 - StartTag
 - TitleLabel
 - new Label() {
- LabeledContainer
- Layer
- LocalCoordinates
- MarqueeRectangle
- NodeFigure
- PackageFigure
- PageNode
- Panel
- RootFigure
- RulerFigure
- ScrollBar
- ScrollPane
- SelectorFigure
- SeparatorFigure
- Shape
- SubgraphFigure
- TestFigure
- Thumbnail
- ScrollableThumbnail
- TreeBranch
- TreeRoot
- TriangleFigure
- UMLClassFigure
- UMLClassFigure
- Viewport

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.ortina - src - org.eclipse.draw2d.examples



information
overload

Demo - org.eclipse.mylyn.tasks.ui/src/org/eclipse/mylyn/internal/tasks/ui/views/TaskRepositoryLabelProvider.java - Eclipse SDK

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- com.tasktop.doc.ui [qualicum.cs.ubc.ca]
- Plug-in Dependencies
 - org.eclipse.ui.cheatsheets_3.3.0.v200...
 - org.eclipse.ui.internal.cheatsheet...
 - ConfirmRestartDialogSTaskLa...
 - TaskLabelProvider
- org.eclipse.mylyn.tasks.ui [dev.eclipse.org]
- src
 - org.eclipse.mylyn.internal.tasks.ui.vi...
 - TaskRepositoryLabelProvider.java
 - TaskRepositoryLabelProvider
 - dispose()
 - getColumnImage(Object, ...)
 - getText(Object)
 - org.eclipse.mylyn.tasks.ui
 - TasksUiPlugin
 - TasksUiPlugin()
 - checkForCredentials()
 - earlyStartup()
 - start(BundleContext)

TasksUiPlugin.java

TaskRepositoryLabelProvider.java

```
Copyright (c) 2004, 2007 Mylyn project commi
package org.eclipse.mylyn.internal.tasks.ui.vie
import org.eclipse.jface.viewers.ILabelProvider
* @author Mik Kersten
public class TaskRepositoryLabelProvider implem
public Image getImage(Object object, int width, int height) {
    if (object instanceof AbstractRepositoryLabelProvider) {
        return ((AbstractRepositoryLabelProvider) object).getImage(width, height);
    } else if (object instanceof AbstractRepositoryLabelProvider) {
        return ((AbstractRepositoryLabelProvider) object).getImage(width, height);
    } else {
        return null;
    }
}
public void addListener(ILabelProviderListener listener) {
}
public void dispose() {
    // ignore
}
```

Task List

Find: Mylyn TaskReposit...

- Mylyn
 - manage Google Summer of Code 20...
 - send BZ Media Webinar announcem...
- Mylyn - All Mine [Eclipse]
 - 162335: Allow "Make Landmark" to v...
 - 196021: Auto-synchronize should be...
 - 195580: [api] AbstractInterestManipu...
 - 194917: stack overflow error from wc...
 - 173325: duplicate library containers a...
 - 193546: define criteria for inclusion o...
 - 195640: Filters in Package Explorer st...
 - 195704: change repository settings U...
 - 195295: Layout of download-page
 - 195911: TaskRepositoryLabelProvi...
- Mylyn - Eugene [Eclipse]

Synchroni... Search Error Log

Change Sets for CVS (Workspace)

- prepare BZ Media Webinar
- TaskRepositoryLabelProvider line 61: getT...
- org.eclipse.mylyn.tasks.ui [dev.eclipse.org]
- src/org/eclipse/mylyn/internal/task...
- TaskRepositoryLabelProvider.ja...

Problems Console

Writable Smart Insert 25 : 27 156M of 173M



task

Demo - org.eclipse.mylyn.tasks.ui/src/org/eclipse/mylyn/internal/tasks/ui/views/TaskRepositoryLabelProvider.java - Eclipse SDK

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        } else {
        }
    }
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        } else if (obj instanceof AbstractRepositoryLabelProvider) {
        } else {
        }
    }
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Synchroni Search Error Log

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Problems Console

Ju Writable Smart Insert 25 : 27 156M of 173M



task

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* @author Mik Kersten
public class TaskRepositoryLabelProvider implem
public ILabelProvider getLabelProvider(Object obj, int
    if (obj instanceof TaskRepositoryLabelProvider) {
    } else if (obj instanceof AbstractRepositoryLabelProvider) {
    }
}
public ILabelProvider getLabelProvider(Object obj, int) {
}
public String getLabel(Object obj, int) {
    if (obj instanceof TaskRepositoryLabelProvider) {
        TaskRepositoryLabelProvider repositoryLabelProvider = (TaskRe
        return repositoryLabelProvider.getLabelProvider(obj, int);
    } else if (object instanceof AbstractRepositoryLabelProvider) {
        return ((AbstractRepositoryLabelProvider) obj).getLabelProvider(obj, int);
    } else {
        return null;
    }
}
public void addListener(ILabelProviderListener listener) {
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public void dispose() {
    // ignore
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 - 194917: stack overflow error from wc...
 - 173325: duplicate library containers a...
 - 193116: define criteria for inclusion o...
 - 195101: Add test for repository settings U...
 - 195105: change repository settings U...

195911: TaskRepositoryLabelProvi

Mylyn - Eugene [Eclipse]

Synchroni Search Error Log

Change Sets for CVS (Workspace)

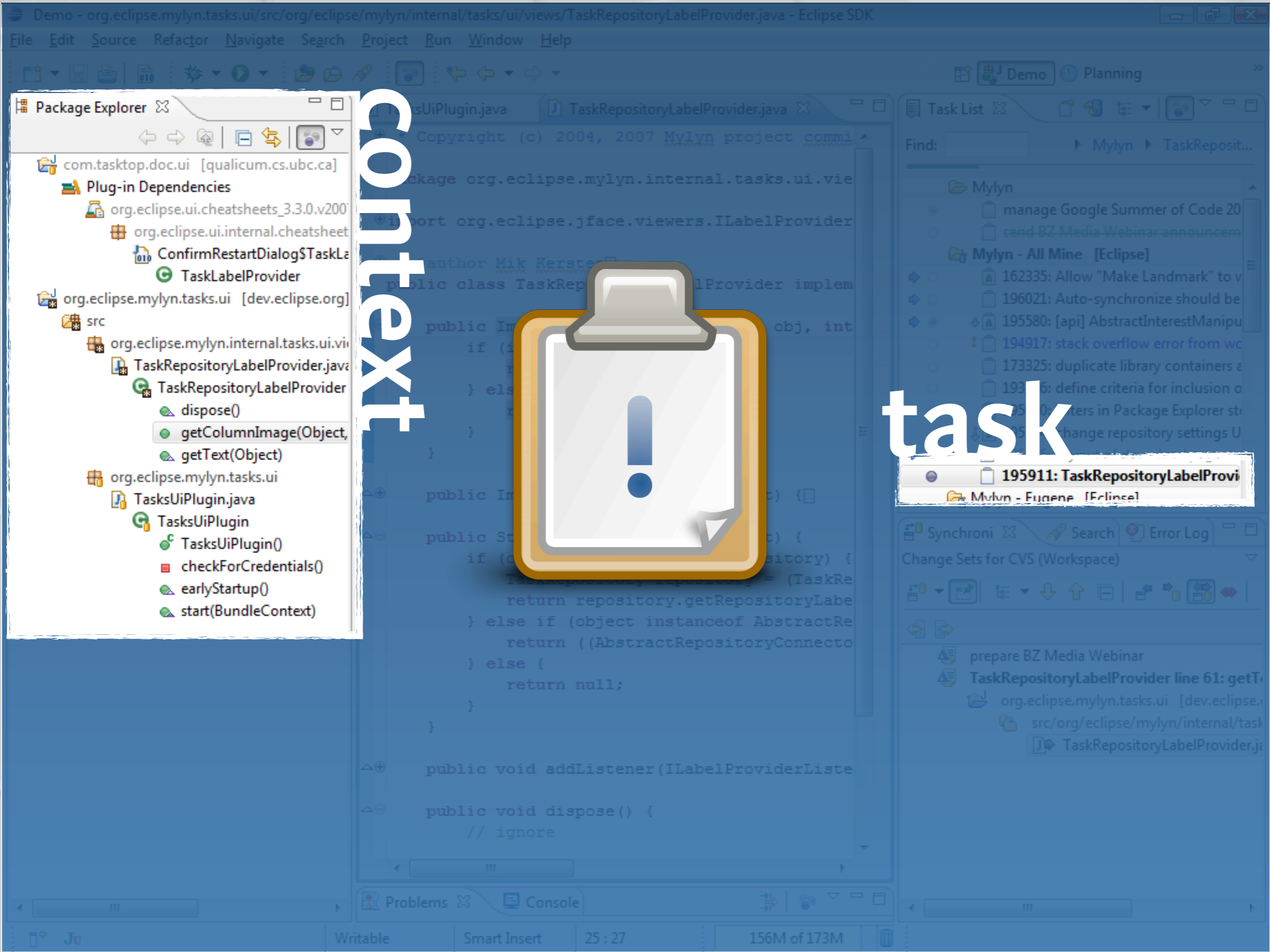
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- src/org/eclipse/mylyn/internal/task...
- TaskRepositoryLabelProvider.java

Problems Console

Writable Smart Insert 25 : 27 156M of 173M



task



context

task



195911: TaskRepositoryLabelProvi

New Task

Task: New Task

New Task

Priority: **Normal** Status: **Incomplete** Created: March 19, 2009 Completed:

URL:

Personal Planning

Scheduled for: **This Week** Due: **Choose Date** Estimated hours: **1**

Active: **0 seconds**

Notes

Planning Context

Planning Context

Local tasks

PRODUCTIVITY

A blue rectangular sign with the word "PRODUCTIVITY" written in large, white, bold, sans-serif capital letters. The sign is mounted on two vertical metal poles. The background is a clear, bright blue sky.

Bugtracker?

Patchwork?



Integrated toolset



Bugzilla

Redmine

JIRA



Trac

MySql

Edit Repository Query

Enter query parameters

Select the Bugzilla query parameters. Use the Update Attributes button to retrieve updated values from the repository.

Query Title:

Summary: all words

Comment: all words

Email: owner reporter cc commenter

Email 2: owner reporter cc commenter

Keywords:

Product: Component: Version: Milestone:

Status: Resolution: Priority: Severity: Hardware: Operating System:

Changed in: days.

Define queries

Edit Repository Query

Enter query parameters

Select the Bugzilla query parameters. Use the Update Attributes button to retrieve updated values from the repository.

Query Title: All Mine

Summary: all words

Comment: all words

Email: econ owner reporter cc comm

Email 2: owner reporter cc comm

Keywords: all

Product: TestProduct Component: TestComponent Version: unspecified

Status: UNCONFIRM NEW Resolution: FIXED INVALID Priority: P1 P2 Severity: blocker critical Hardware: All Macintosh

Changed in: days.

Update Attributes from Repository

- Task List**
- Find: All Activate...
- Uncategorized
 - All Mine [Demo]
 - 1: Prepare tutorial slides
 - 2: Book flight to EclipseCon
 - 3: Book hotel for EclipseCon
 - 4: Review Mylyn 3.1 New & Noteworthy

Define queries

472: New/Enhance Create Branch/Tag optio X SearchResultContentProvider.java

Issue 472 Subclipse

New/Enhance Create Branch/Tag option that can do it for multiple projects

Status: NEW Priority: P3 ID: 472 Opened: 2006-03-15 20:08 Modified: 2007-05-01 07

▼ Attributes

Platform: All Component: subclipse
OS: All Subcomponent: UI
Version: 1.0.x Priority: P3
Target milestone: 1.4 Issue Type: ENHANCEMENT
QA Contact: issues@subclipse URL:
Status Whiteboard:
Keywords: Edit...
Depends on: 471 471 Show dependency tree
Blocks:
Votes: 13

► Attachments (0)

▼ Description

Rich task editor

Description

h1. Styled text

* Press *F1* to see a WikiText *_cheat sheet_*
* You can also use content assist to insert WikiText syntax or task ID

h2. Quotes and Code Blocks

`bc.` Code block
`bq.` Quote block

h3. Bullet and Numbered Lists

* First Item
** First Nested Item

First Item
First Nested Item

- # - List (numeric)
- ## - List (level 2, numeric)
- * - List (bulleted)
- ** - List (level 2, bulleted)
- [- [1] footnote reference
- | - Table
- |_ - Table heading
- {toc} - Table of contents
- {glossary} - Glossary
- 174: Rob's task

WikiText

Description

Styled text

- Press **F1** to see a WikiText *cheat sheet*
- You can also use content assist to insert WikiText syntax or task ID

Quotes and Code Blocks

Code block

Quote block

Bullet and Numbered Lists

- First Item
 - First Nested Item
- 1. First Item
 - 1. First Nested Item

Stack Trace

Stack Trace

1. First Nested Item
1. First Item
◦ First Nested Item

WikiText

▼ **Actions**

Leave as NEW


Accept (change status to ASSIGNED)

Resolve as

Duplicate of

Reassign to

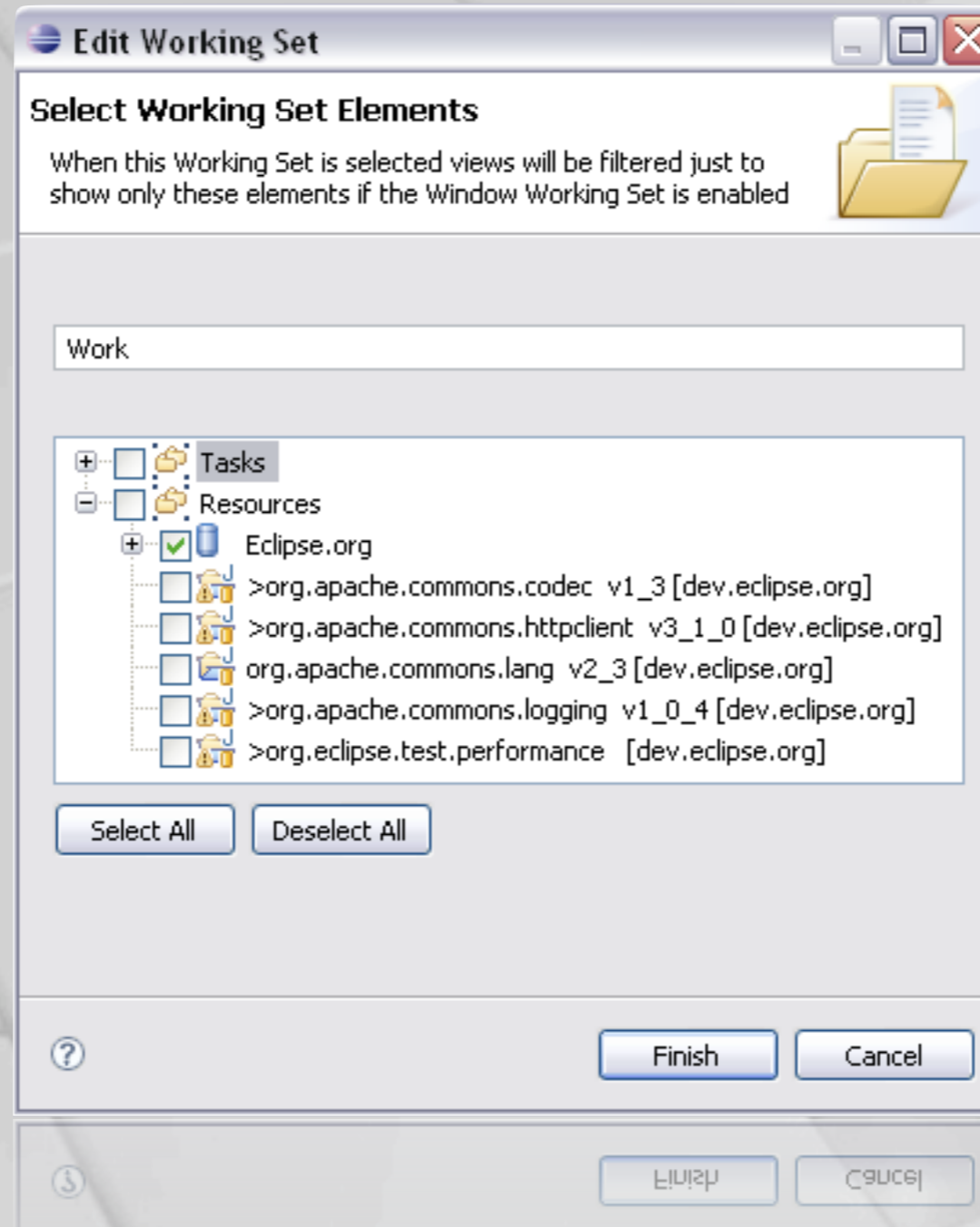
Reassign to default assignee

 Attach Context

12 Planning Context Bugzilla

15 Բլանվիլ Context Բրձսիլլ

Share context!



Working sets



Traceability

**WHO has done
WHAT and
WHY?**

WHO has done
WHAT and
WHY?

WHO has done
WHAT and
WHY?

Create links

Demo

Beyond the obvious

Task context?
Code quality?

Bug nests



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Internet: <http://www.synyx.de>

Appendix

INSTALLATION

- **Mylyn Update Sites**

- Eclipse 3.5: download.eclipse.org/tools/mylyn/update/e3.5
- Eclipse 3.4: download.eclipse.org/tools/mylyn/update/e3.4
- Extras: download.eclipse.org/tools/mylyn/update/extras