



APPROACHING <
> light speed

News from the Eclipse Photon Platform

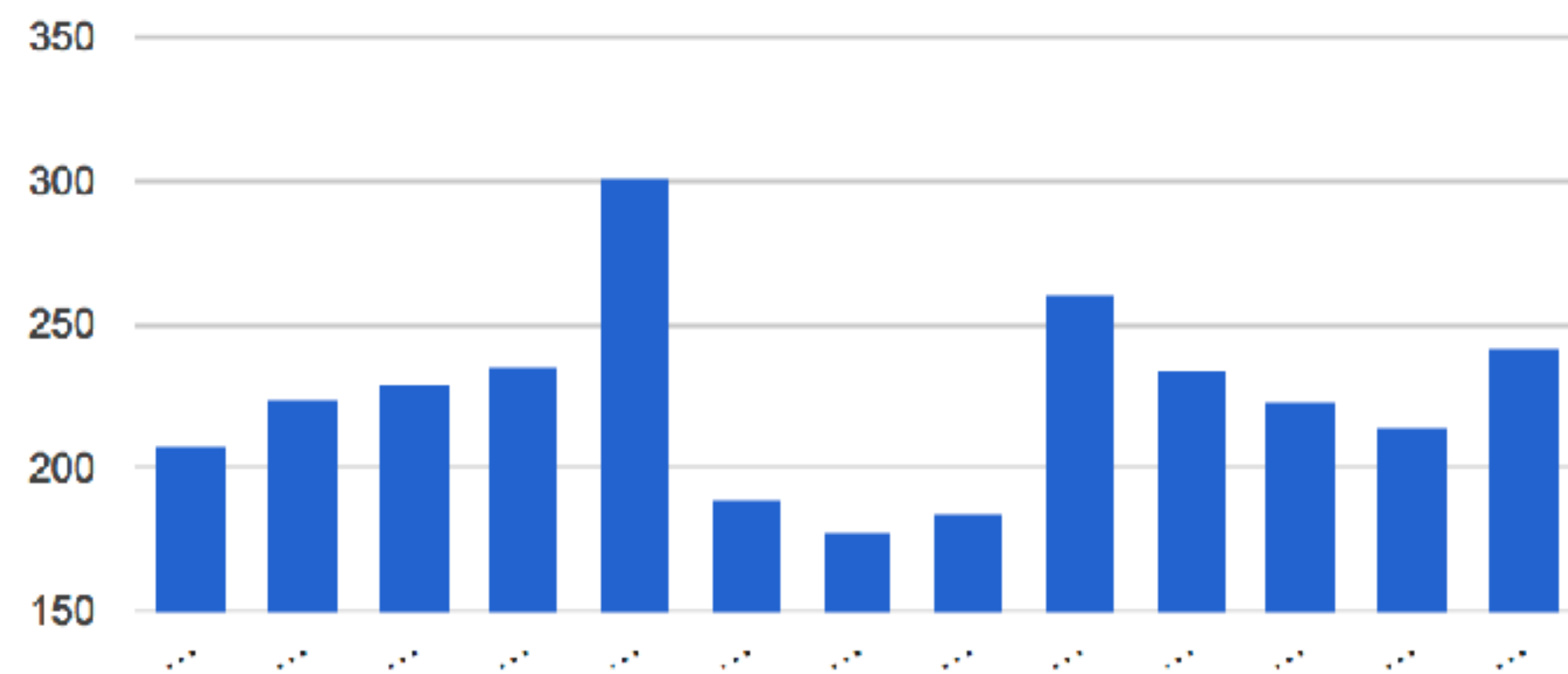
Karsten Thoms / itemis

Eclipse Platform

Overview Downloads Who's Involved Developer Resources

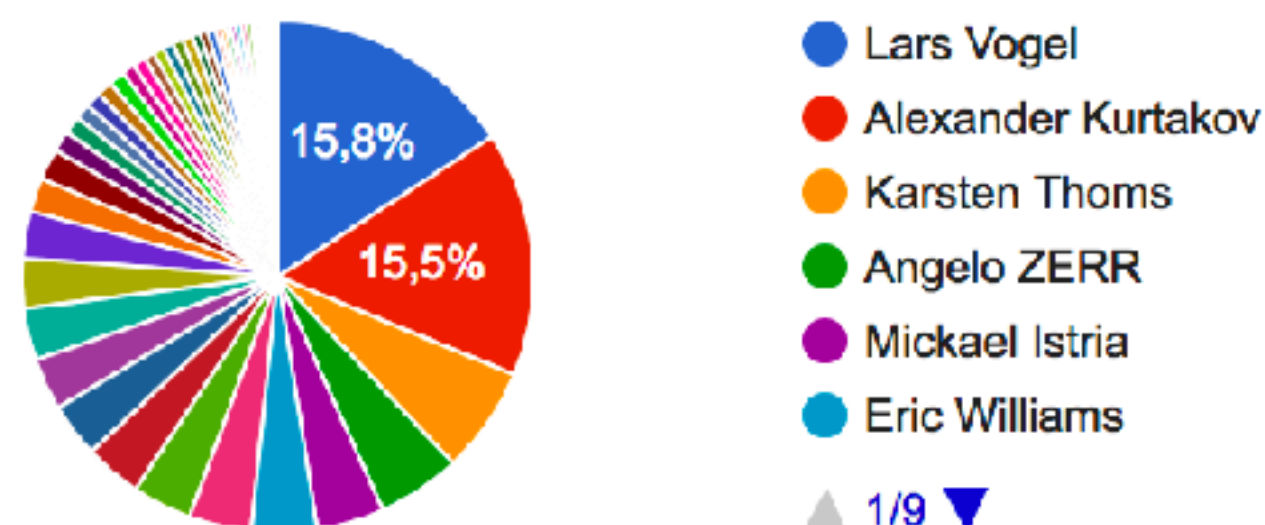
Contribution Activity:

Commits on this project (last 12 months).



Individual Contribution Activity:

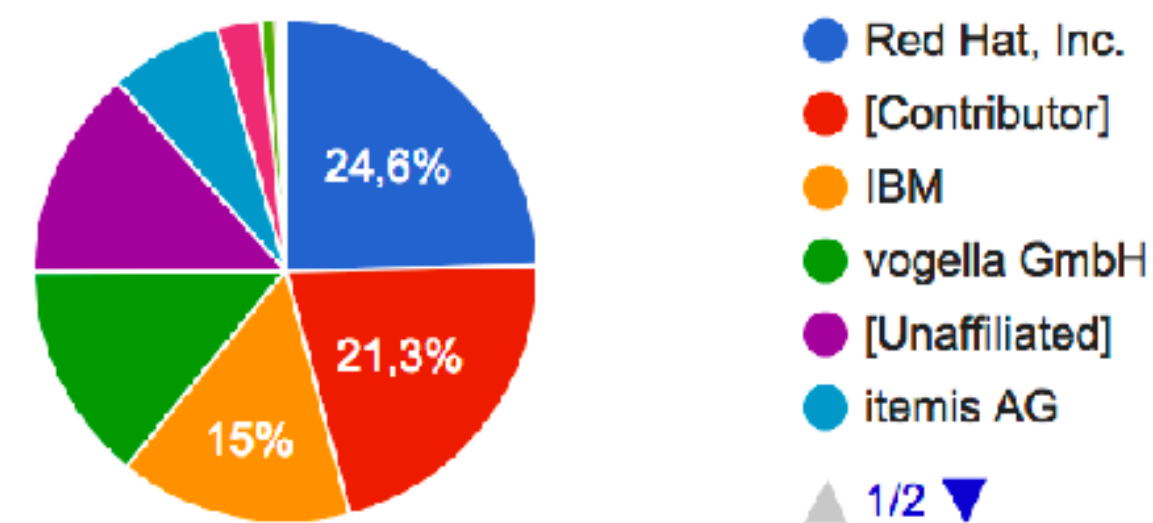
Commits on this project by individuals over the last three months.



113 Contributors

Organization Contribution Activity:

Commits on this project by supporting organization over the last three months.



Active Member Companies:

Member companies supporting this project over the last three months.



OVERVIEW

117 problems matched your query.

Stop filter problems Bulk Edit Problems

FILTER PROBLEMS

Problem status: (2) VERIFIED; RESOLVED

Project: (1) Eclipse Platform

Modified on: 2017-06-30

Problem res: (1) FIXED

Add Clause Search



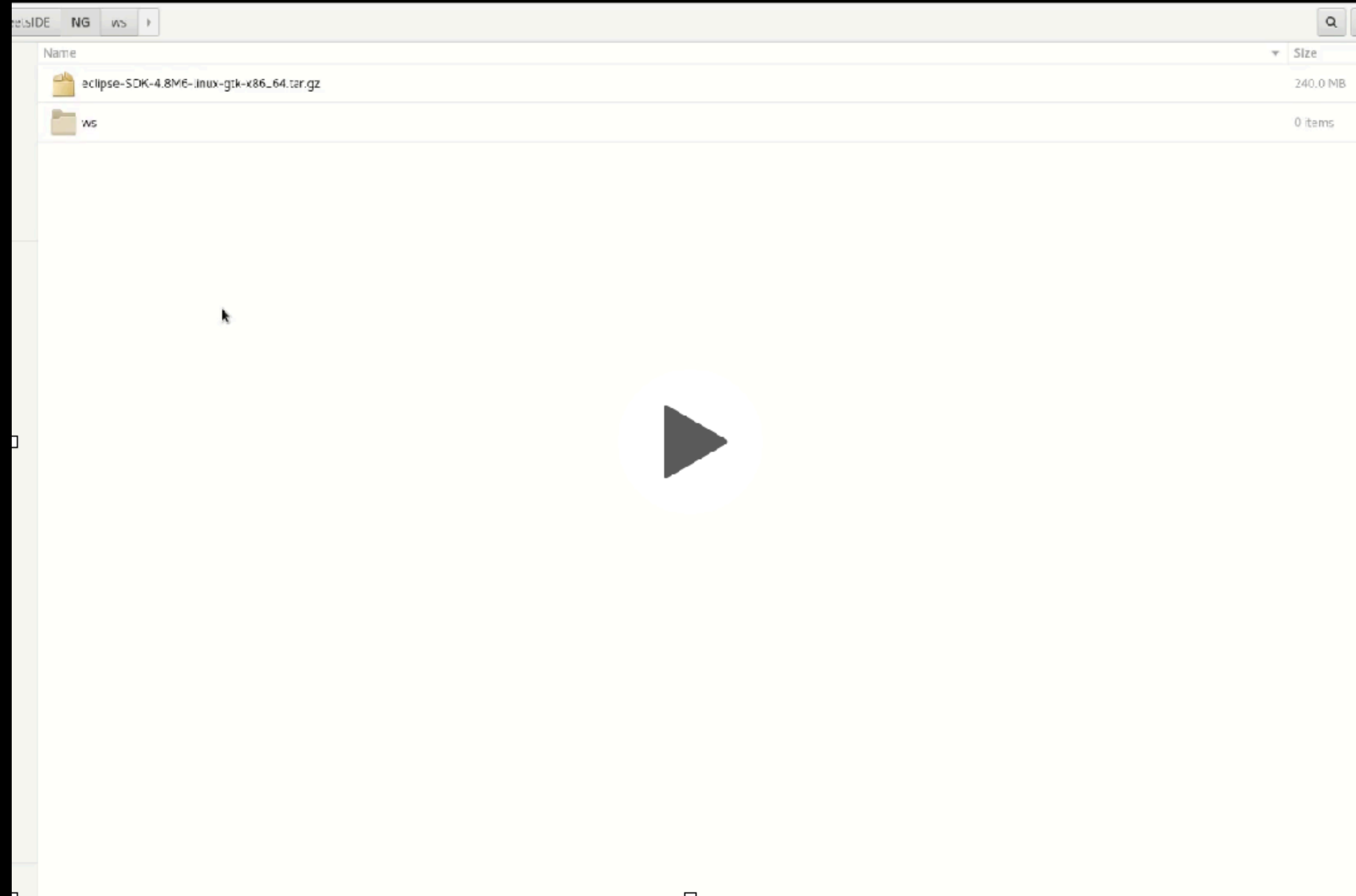
KIND	PROJECTS	REPO...	SEVERITY	STATUS	RESOLUTION	BUG	
nor...	[platfor...	NoStackTrace in UIListener.reportInterruption	5.583	normal	RESOLVED	FIXED	509893
nor...	[platform]	IllegalStateException below AboutPluginsPage.lambda\$1 (thrown in StructuredViewer.setInput)	1.981	normal	RESOLVED	FIXED	527317
nor...	[platform]	AssertionFailedException in SaveablesList.decrementRefCount	1.838	major	RESOLVED	FIXED	366012
nor...	[platfor...	SWTException below AbstractTextEditor.setFocus (thrown in Widget.checkWidget)	1.536	normal	RESOLVED	FIXED	532514
nor...	[platform]	NullPointerException in WorkbenchPage.busyShowView	1.315	normal	RESOLVED	FIXED	466392
nor...	[platform]	NullPointerException in WorkbenchPage.busyShowView	1.315	major	VERIFIED	FIXED	471782
nor...	[platform]	NullPointerException in LazyStackRenderer.showElementRecursive	1.198	normal	RESOLVED	FIXED	531026
nor...	[platform]	NullPointerException in ContentMergeViewer\$ContentMergeViewerLayout.layout	1.164	major	RESOLVED	FIXED	448968
nor...	[platform]	NullPointerException in ProgramImageDescriptor.hashCode	1.049	major	RESOLVED	FIXED	502514
nor...	[platform]	NullPointerException in CSSSWTColorHelper.findColorByDefinition	983	normal	VERIFIED	FIXED	518252
nor...	[platform]	ResourceException in FileSystemResourceManager.read	699	normal	RESOLVED	FIXED	521490
nor...	[platform]	NullPointerException in DetachedDropAgent.drop	672	normal	RESOLVED	FIXED	447325
nor...	[platform]	IllegalArgumentException in FormTextModel.parseInputStream	602	normal	RESOLVED	FIXED	521493
nor...	[platform]	NotEnabledException below ProjectExplorer.handleClick (thrown in Command.executeWithChecks)	567	normal	RESOLVED	FIXED	519268
nor...	[platfor...	NullPointerException in PaintManager\$PositionManager.managePosition	554	normal	RESOLVED	FIXED	519263



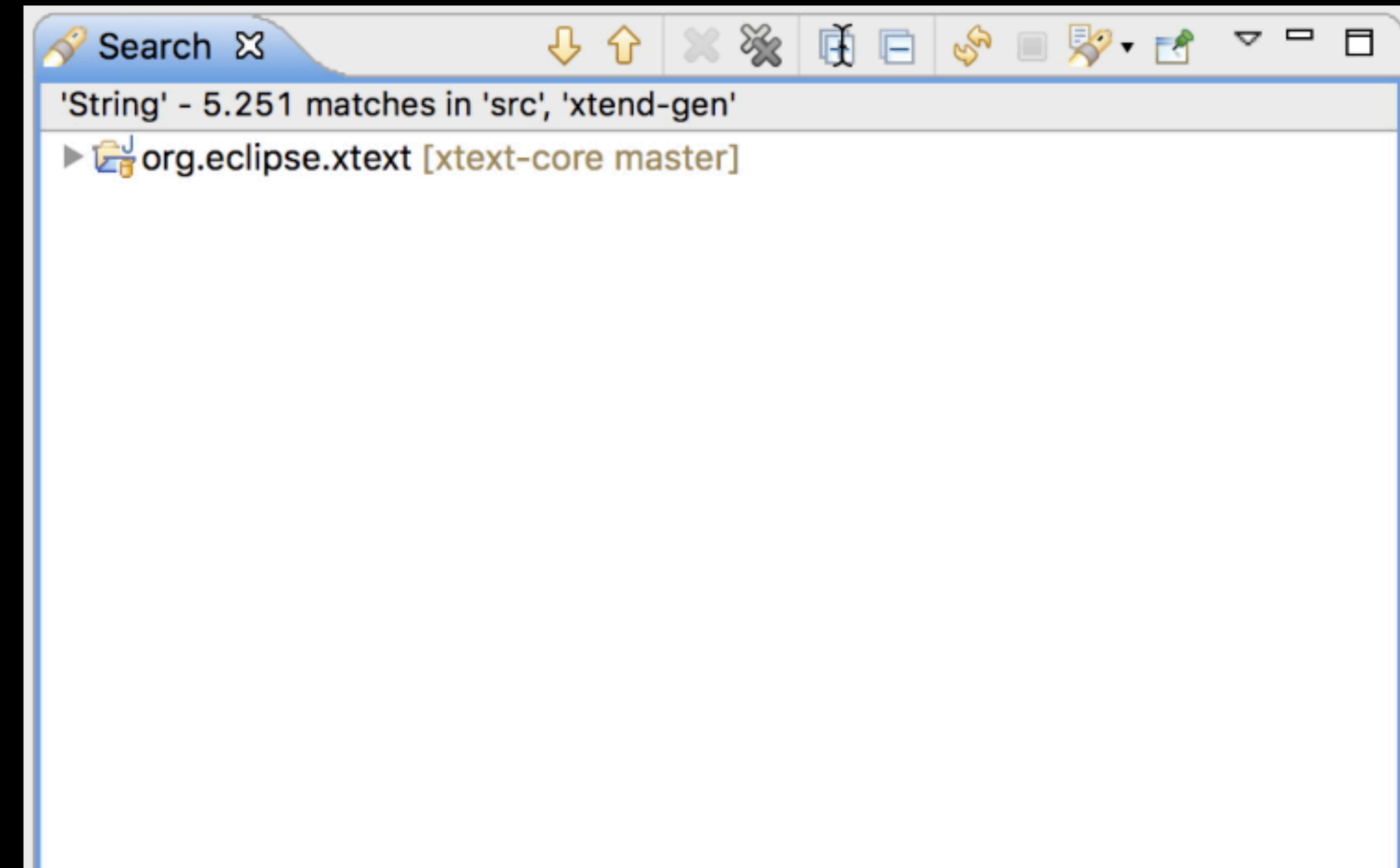
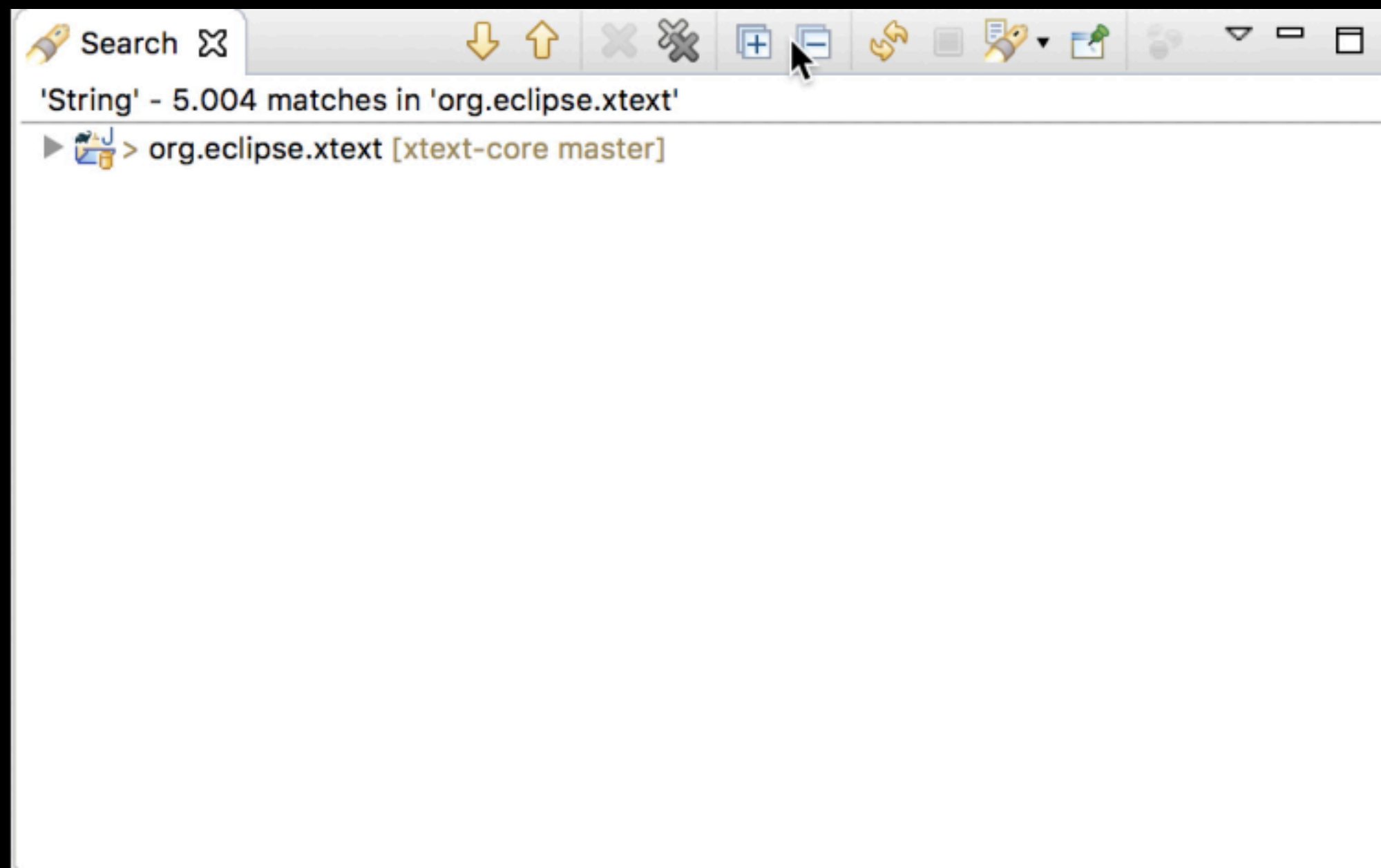
SPEED!



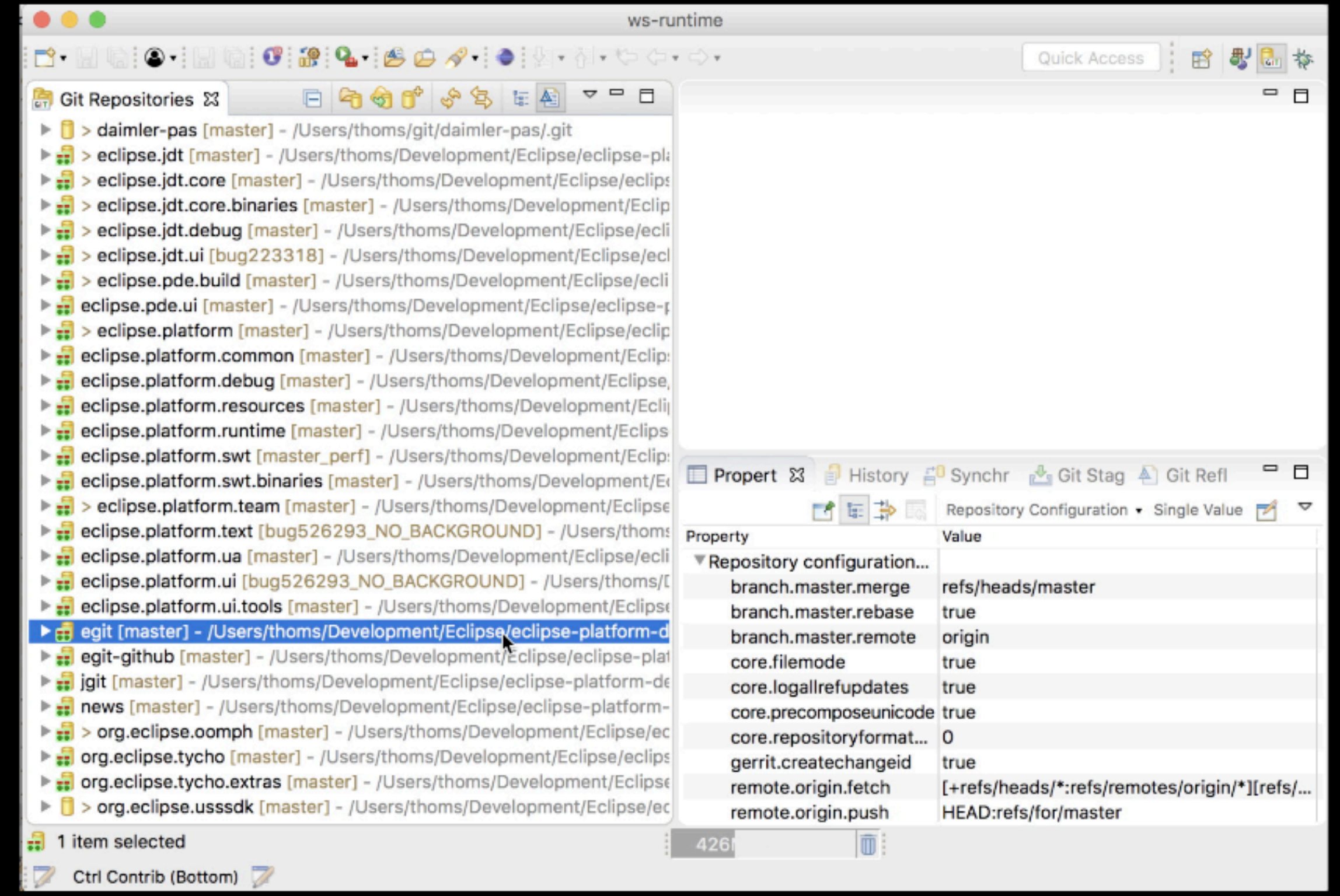
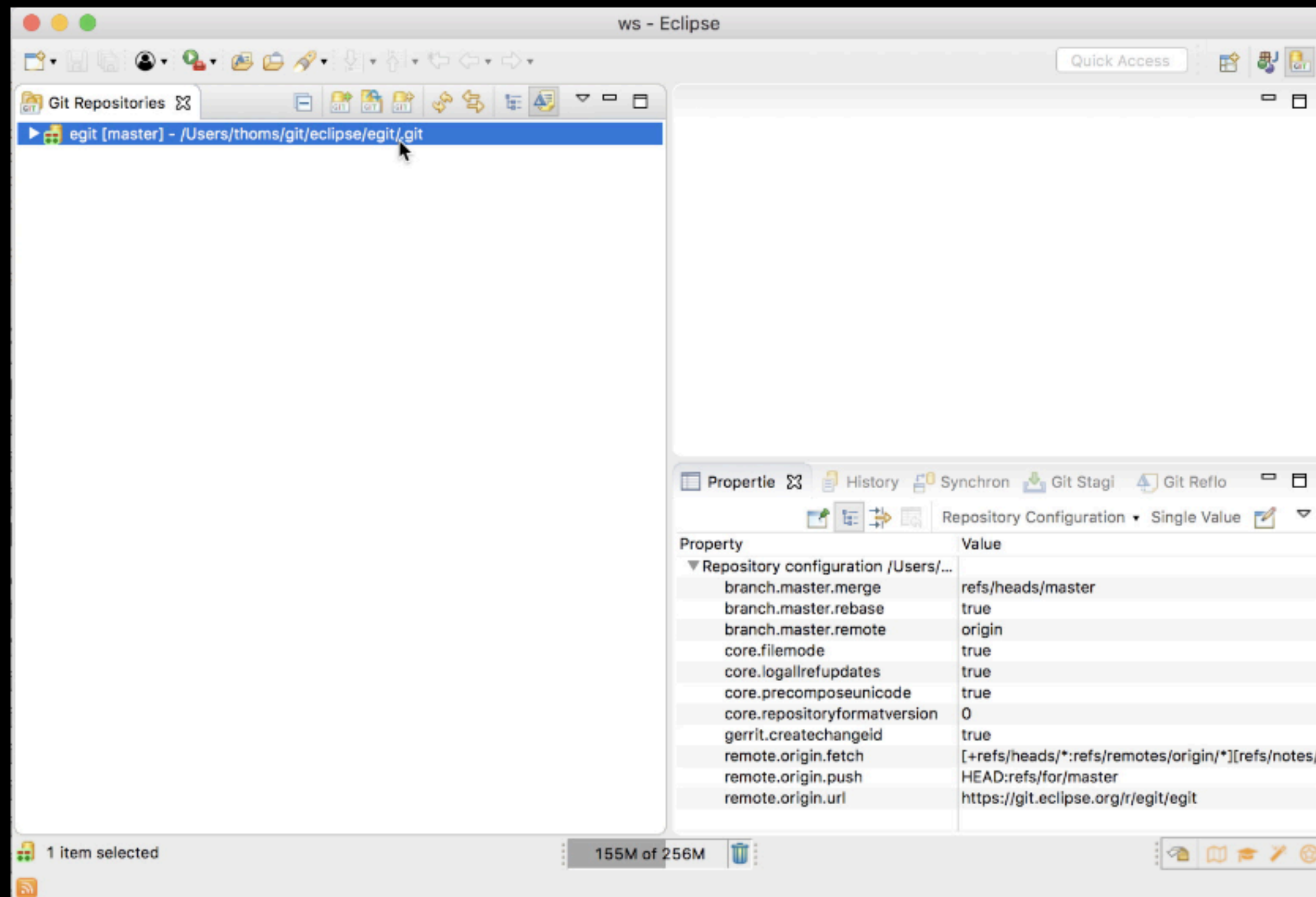
Fast Startup



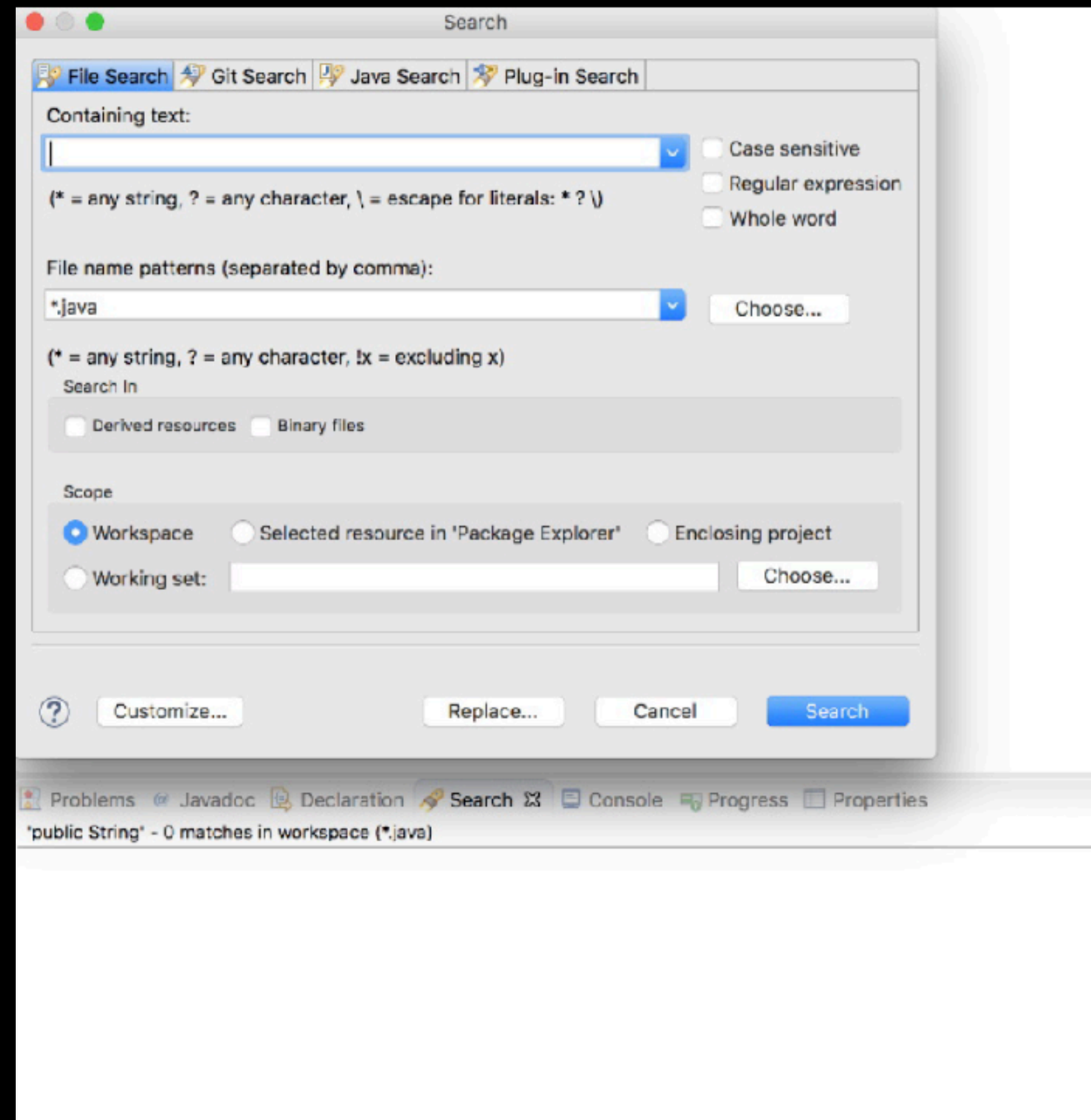
Search Tree Expansion



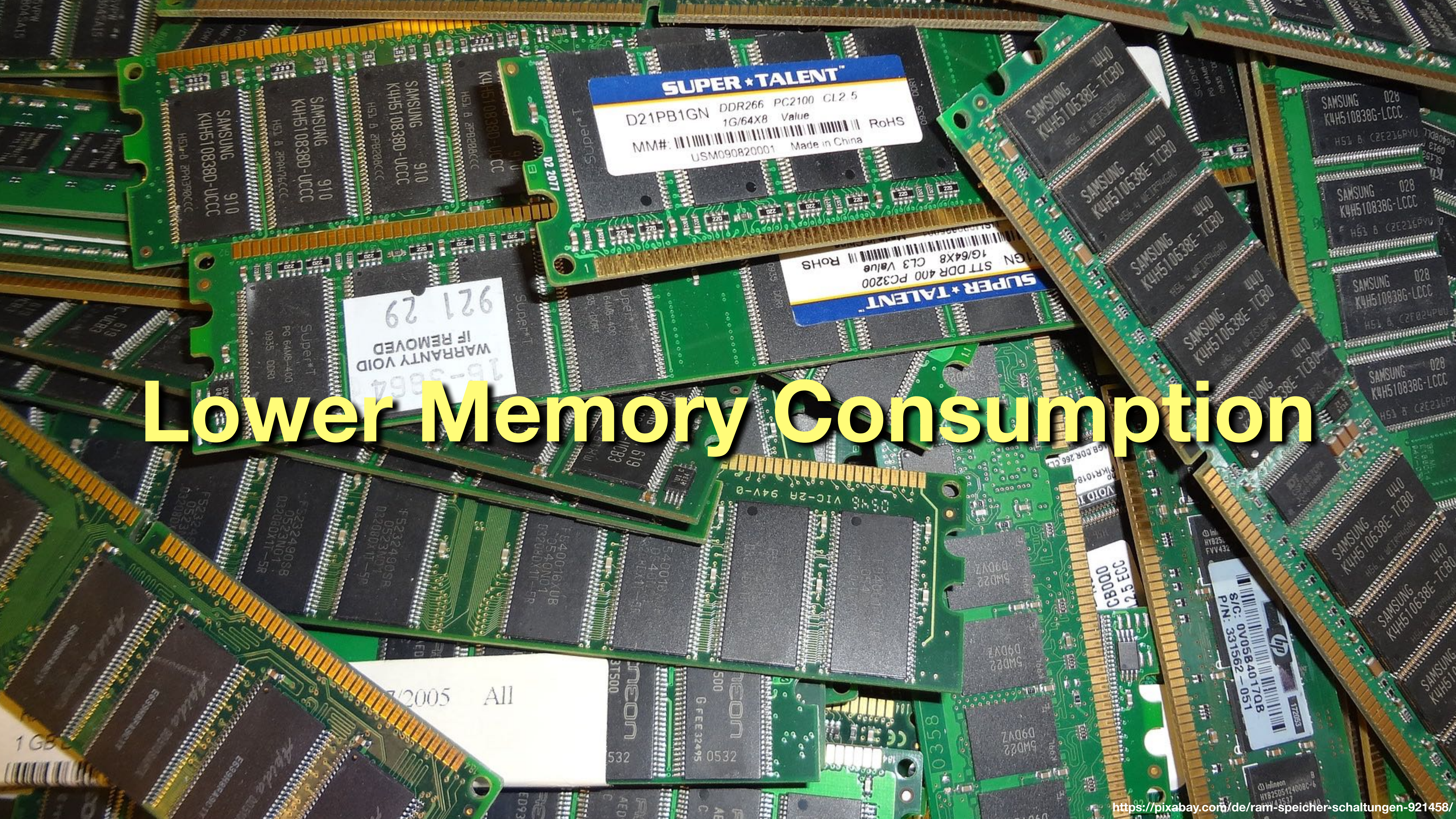
Import Projects from Git Repository



Text Search



Lower Memory Consumption



workspace - Eclipse SDK

Quick Access

Package Explorer

Outline

An outline is not available.

Problems @ Javadoc Declaration

0 items

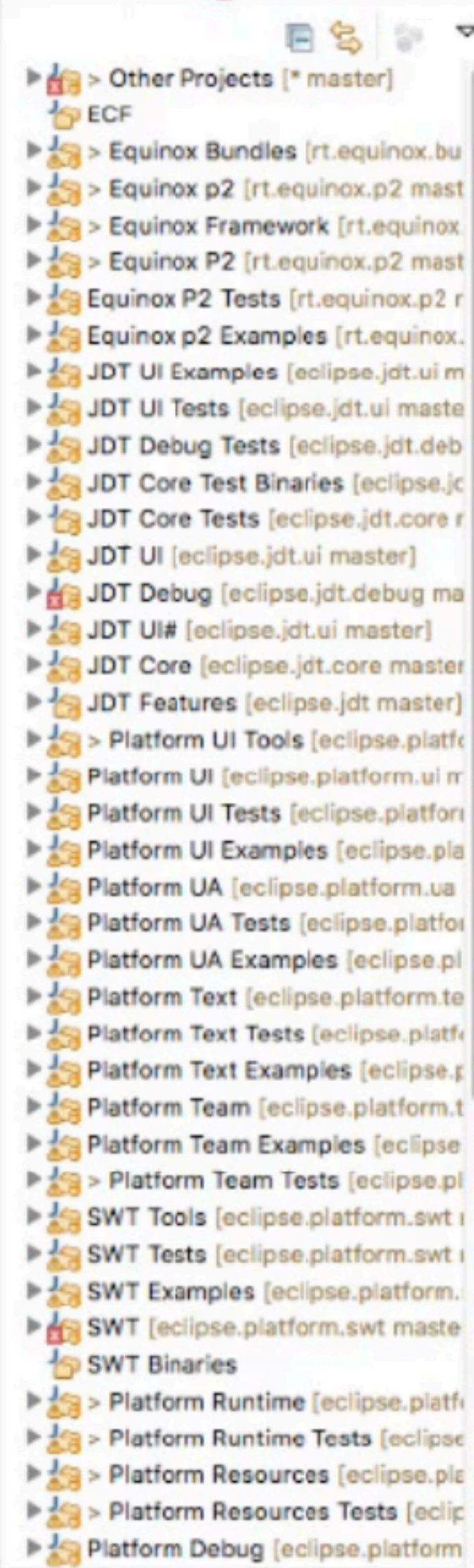
Description	Resource	Path	Location	Type

40M of 256M

Heap size: 40M of total: 256M max: 1024M mark: 97M



P S N U J 2



```
113 @Override
114 public void javaToNative(Object object, TransferData transferData) {
115     byte[] check = TYPE_NAME.getBytes();
116     super.javaToNative(check, transferData);
117 }
118
119 /**
120  * Overrides org.eclipse.swt.dnd.ByteArrayTransfer#nativeToJava(TransferData).
121  * Test if the native drop data matches this transfer type.
122  *
123  * @see org.eclipse.swt.dnd.ByteArrayTransfer#nativeToJava(TransferData)
124  */
125 @Override
126 public Object nativeToJava(TransferData transferData) {
127     Object result = super.nativeToJava(transferData);
128     if (isValidNativeType(result)) {
129         Policy.getLog().log(new Status(
130             IStatus.ERROR,
131             Policy.JFACE,
132             IStatus.ERROR,
133             JFaceResources.getString("LocalSelectionTransfer.errorMessage"), null)); // $NON-NLS-1$
134     }
135     return selection;
136 }
137
138 /**
139  * Sets the transfer data for local use.
140  */
```

Problems Javadoc Declarati Search Console Bookmar Progress History Error Log Call Hier Metrics Properties





Java 9 & 10



JUnit 5

»ONCE YOU START
DOWN THE DARK PATH,
FOREVER WILL IT
DOMINATE YOUR
DESTINY,
CONSUME YOU IT
WILL.«

- YODA -



About Eclipse

Eclipse IDE for Java Developers

Version: Oxygen Release (4.7.0)

Build id: 20170620-1800

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Installation Details

About Eclipse IDE

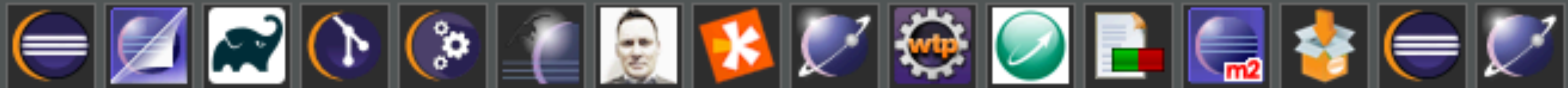
Eclipse IDE for Eclipse Committers

Version: Photon Milestone 6 (4.8.0M6)

Build id: 20180315-1217

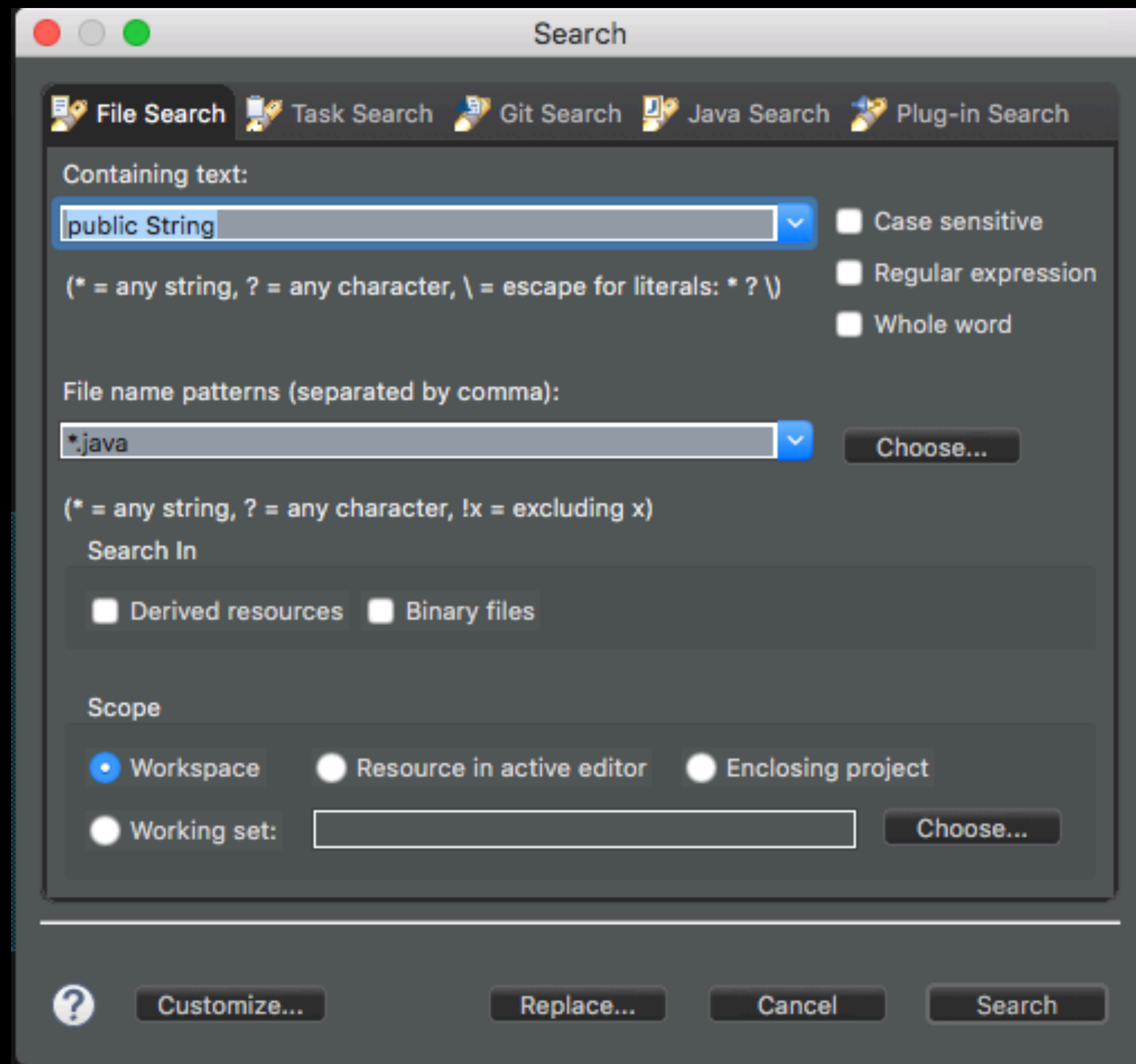
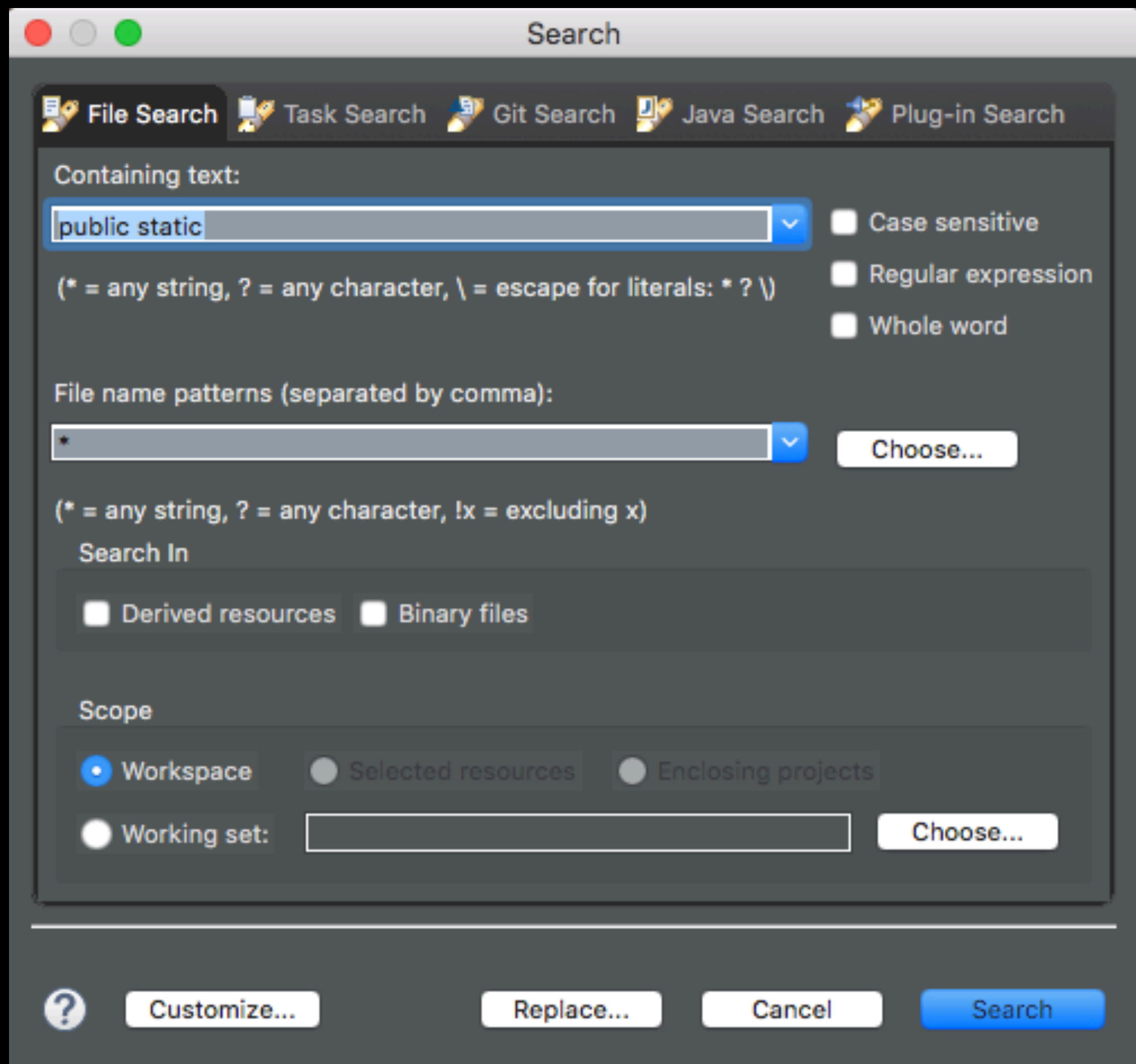
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This product includes software developed by other open source projects including the Apache Software Foundation, <https://www.apache.org/>.



Installation Details

Close



```
TestClass.java x
1 package test;
2
3 public class TestClass {
4     public static void main(String[] args) {
5         int i = 1;
6     }
7 }
8
```

void test.TestClass.main(String[] args)

```
TestClass.java x
1 package test;
2
3 public class TestClass {
4     public static void main(String[] args) {
5         int i = 1;
6     }
7 }
8
```

void test.TestClass.main(String[] args)

```
Super.java Sub.java x
1 package test;
2
3 public class Sub extends Super {
4
5     public void a() {
6         a = 4;
7     }
8
9 }
10
```

test - test.Sub.java
Sub - test

- a() : void - test.Sub
- a : int - test.Super
- Object() - java.lang.Object
- registerNatives() : void - java.lang.Object
- getClass() : Class<?> - java.lang.Object
- hashCode() : int - java.lang.Object
- equals(Object) : boolean - java.lang.Object
- clone() : Object - java.lang.Object
- toString() : String - java.lang.Object
- notify() : void - java.lang.Object
- notifyAll() : void - java.lang.Object
- wait(long) : void - java.lang.Object
- wait(long, int) : void - java.lang.Object
- wait() : void - java.lang.Object
- finalize() : void - java.lang.Object

Press '%O' to hide inherited members

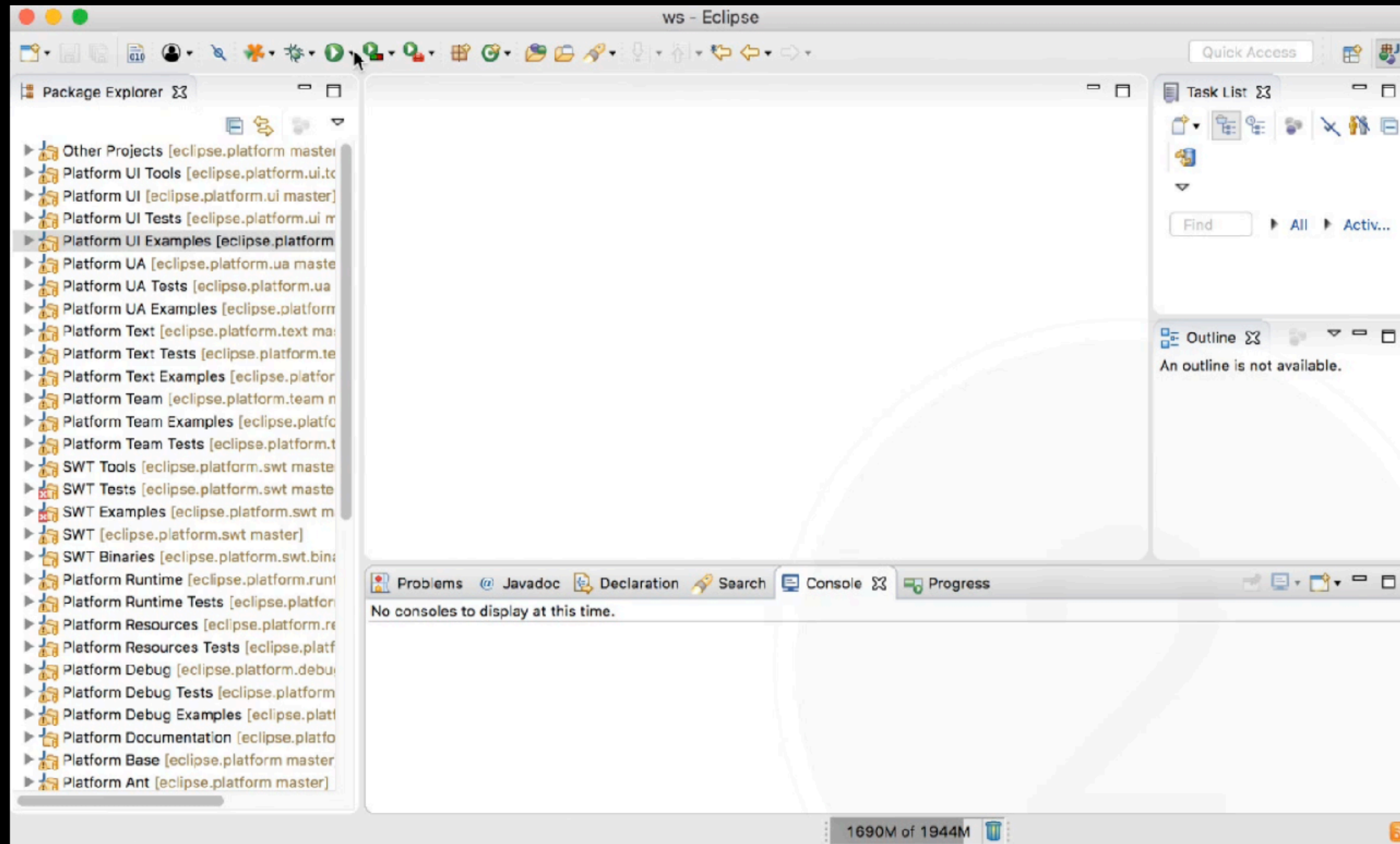
```
Super.java Sub.java x
1 package test;
2
3 public class Sub extends Super {
4
5     public void a() {
6         a = 4;
7     }
8
9 }
10
```

test - test.Sub.java
Sub - test

- a() : void - test.Sub
- a : int - test.Super
- Object() - java.lang.Object
- registerNatives() : void - java.lang.Object
- getClass() : Class<?> - java.lang.Object
- hashCode() : int - java.lang.Object
- equals(Object) : boolean - java.lang.Object
- clone() : Object - java.lang.Object
- toString() : String - java.lang.Object
- notify() : void - java.lang.Object
- notifyAll() : void - java.lang.Object
- wait(long) : void - java.lang.Object
- wait(long, int) : void - java.lang.Object
- wait() : void - java.lang.Object
- finalize() : void - java.lang.Object

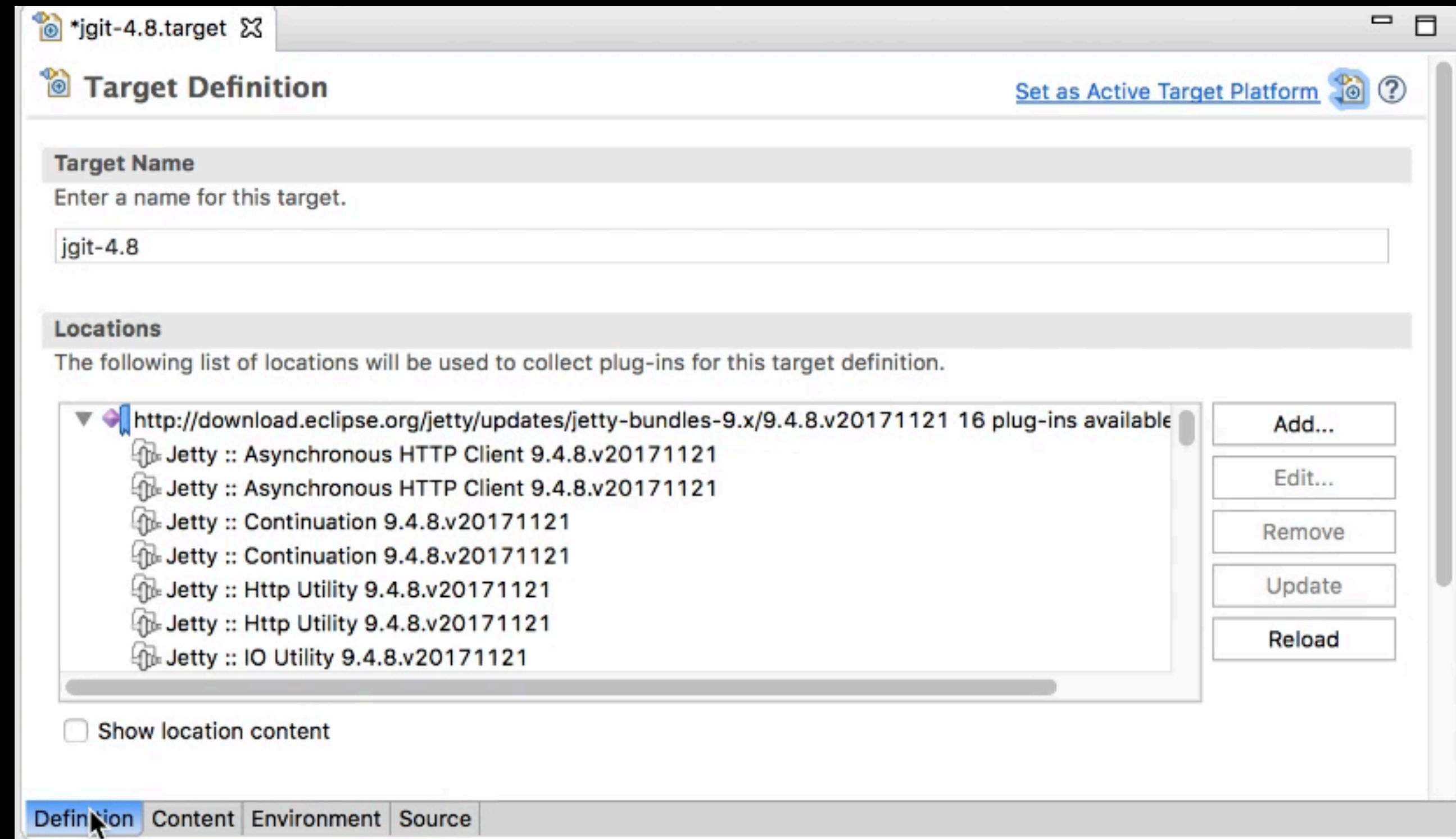
Press '%O' to hide inherited members

Eclipse Launch Config



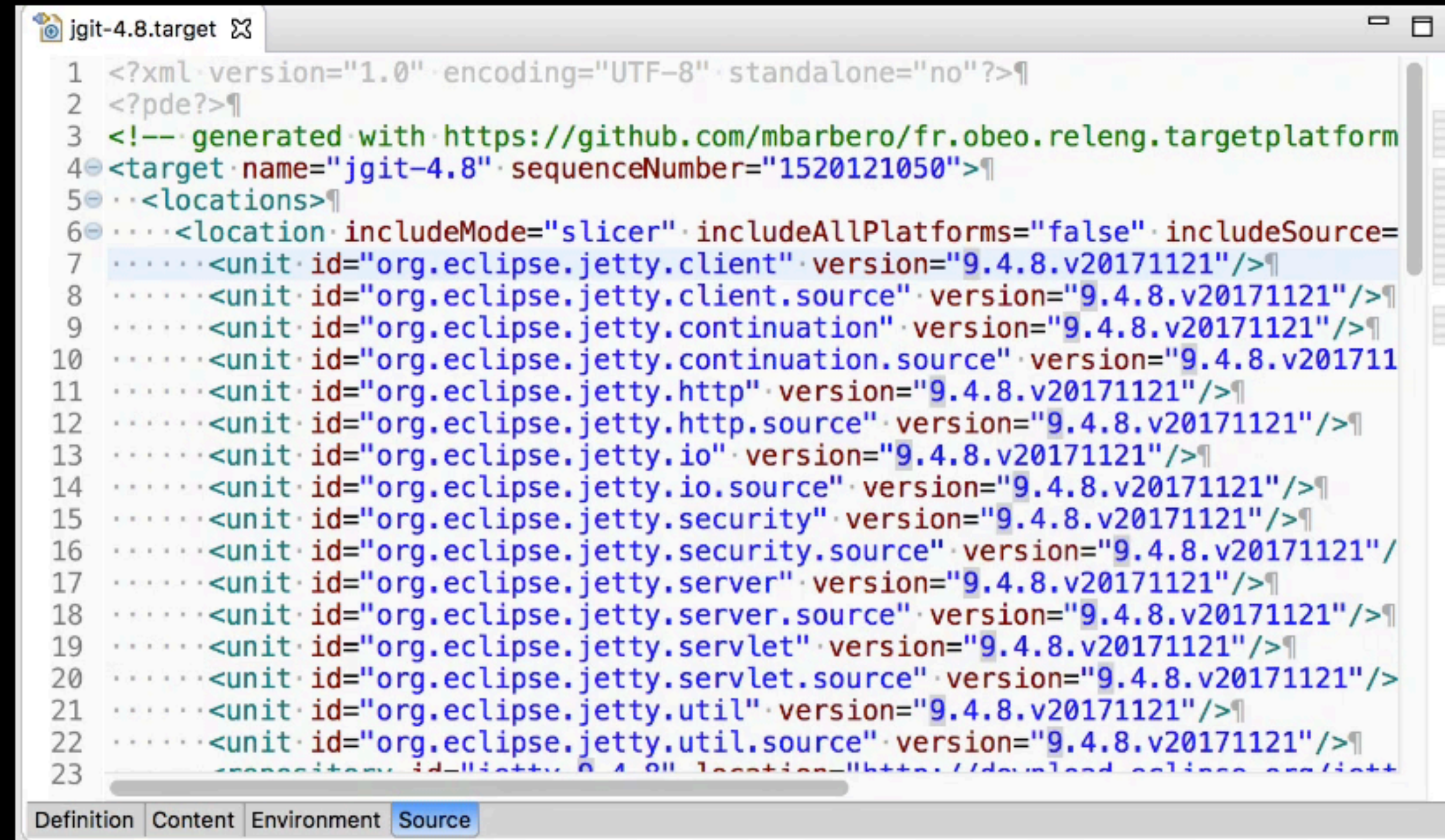
Target Editor

- New Tab „Source“
- Generic Editor
- Content Assist
 - Bundles
 - Environment Arguments



Target Editor

- New Tab „Source“
- Generic Editor
- Content Assist
 - Bundles
 - Environment Arguments



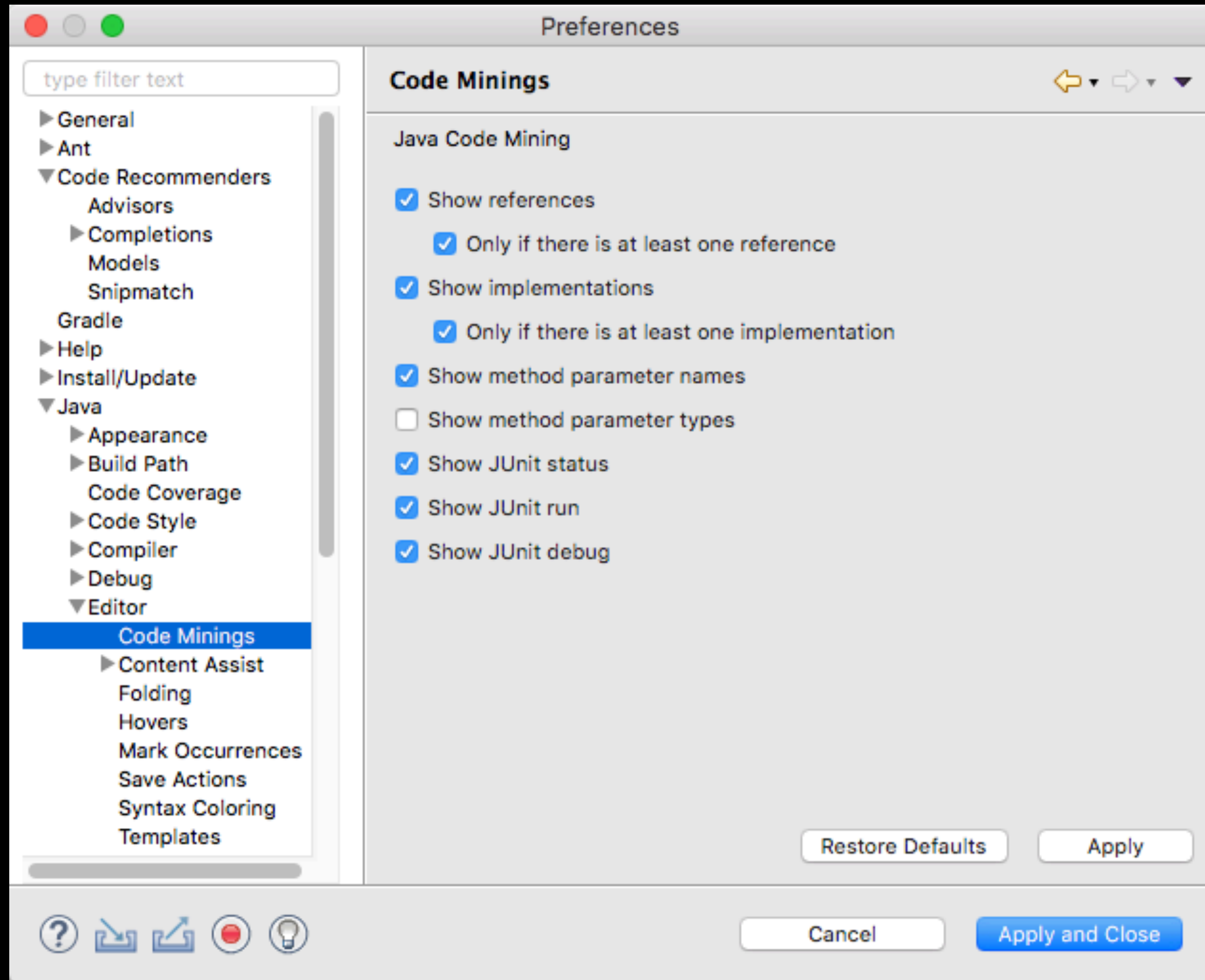
The screenshot shows a code editor window titled 'jgit-4.8.target'. The code is XML and defines a target with various units. The units listed are:

```
1 <?xml version="1.0" encoding="UTF-8" standalone="no"?>
2 <?pde?>
3 <!-- generated with https://github.com/mbarbero/fr.obeco.releng.targetplatform
4 <target name="jgit-4.8" sequenceNumber="1520121050">
5   <locations>
6     <location includeMode="slicer" includeAllPlatforms="false" includeSource=
7       <unit id="org.eclipse.jetty.client" version="9.4.8.v20171121"/>
8       <unit id="org.eclipse.jetty.client.source" version="9.4.8.v20171121"/>
9       <unit id="org.eclipse.jetty.continuation" version="9.4.8.v20171121"/>
10      <unit id="org.eclipse.jetty.continuation.source" version="9.4.8.v201711
11      <unit id="org.eclipse.jetty.http" version="9.4.8.v20171121"/>
12      <unit id="org.eclipse.jetty.http.source" version="9.4.8.v20171121"/>
13      <unit id="org.eclipse.jetty.io" version="9.4.8.v20171121"/>
14      <unit id="org.eclipse.jetty.io.source" version="9.4.8.v20171121"/>
15      <unit id="org.eclipse.jetty.security" version="9.4.8.v20171121"/>
16      <unit id="org.eclipse.jetty.security.source" version="9.4.8.v20171121"/
17      <unit id="org.eclipse.jetty.server" version="9.4.8.v20171121"/>
18      <unit id="org.eclipse.jetty.server.source" version="9.4.8.v20171121"/>
19      <unit id="org.eclipse.jetty.servlet" version="9.4.8.v20171121"/>
20      <unit id="org.eclipse.jetty.servlet.source" version="9.4.8.v20171121"/>
21      <unit id="org.eclipse.jetty.util" version="9.4.8.v20171121"/>
22      <unit id="org.eclipse.jetty.util.source" version="9.4.8.v20171121"/>
23      <unit id="org.eclipse.jetty.util.source" version="9.4.8.v20171121"/>
```

The editor has a tab labeled 'Source' selected, and a bottom bar with tabs for 'Definition', 'Content', 'Environment', and 'Source'.

Code Mining





ws - org.eclipse.ui.workbench.texteditor/src/org/eclipse/ui/texteditor/AbstractTextEditor.java - Eclipse IDE

Quick Access

AbstractTextEditor.java LongObjectIdTest.java

```
425 >> >> >> >> >> >> >> >> enableStateValidation(true);  
426 >> >> >> >> >> >> >> >> textWidget.addVerifyListener(fValidator);  
427 >> >> >> >> >> >> >> }  
428 >> >> >> >> >> >> }  
429 >> >> >> >> >> }  
430 >> >> >> >> }  
431 >> >> >> };  
432 >> >> >> execute(r, false);  
433 >> >> }  
434 >> }  
435  
436  
437 >> @Override  
438 >> public void elementDirtyStateChanged(Object element, boolean isDirty) {  
439 >> >> if (element != null && element.equals(getEditorInput())) {  
440 >> >> >> Runnable r = new Runnable() {  
441 >> >> >> >> @Override  
442 >> >> >> >> public void run() {  
443 >> >> >> >> >> enableSanityChecking(true);  
444 >> >> >> >> >> firePropertyChange(PROP_DIRTY);  
445 >> >> >> >> }  
446 >> >> >> >> };  
447 >> >> >> >> execute(r, false);  
448 >> >> >> }  
449 >> >> }
```

Probl Javad Declar Searc Cons Book Progr Histor Error Call H Metric

'org.eclipse.ui.texteditor.AbstractTextEditor.ElementStateListener.elementDirtyStateChanged(Object, boolean)' - 3 references in workspace (no JRE) (0 matches filtered from view)

- org.eclipse.ui.editors [eclipse.platform.text master]
 - src
 - org.eclipse.ui.editors.text
 - TextFileDocumentProvider
 - FileBufferListener
 - dirtyStateChanged(IFileBuffer, boolean)
- org.eclipse.ui.workbench.texteditor [eclipse.platform.text master]

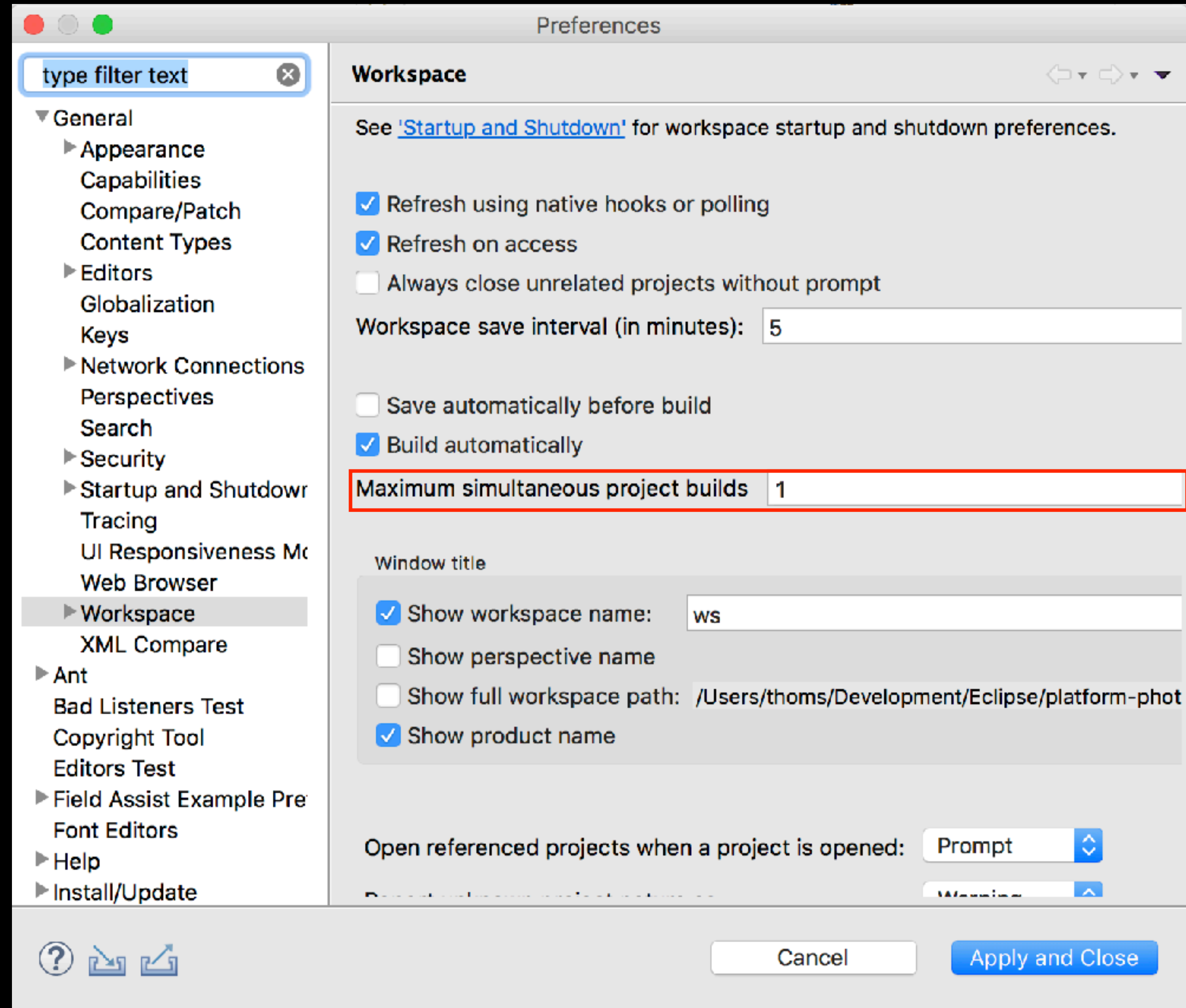
Writable Smart Insert 439 : 41 949M of 1549M

Sample.dmodel

```
⊖ package persons {  
  ⊖ entity Person {  
    firstName : String  
    lastName  : String  
  
    ⊖ op fullName () : String {  
      return firstName + " " + lastName  
    }  
  }  
}
```


Parallel Project Build

- Builders can run in parallel when they use a more relaxed scheduling rule than the Workspace rule
- By default behaviour stays as before with sequential project build



Tip of the day

Tip of the Day

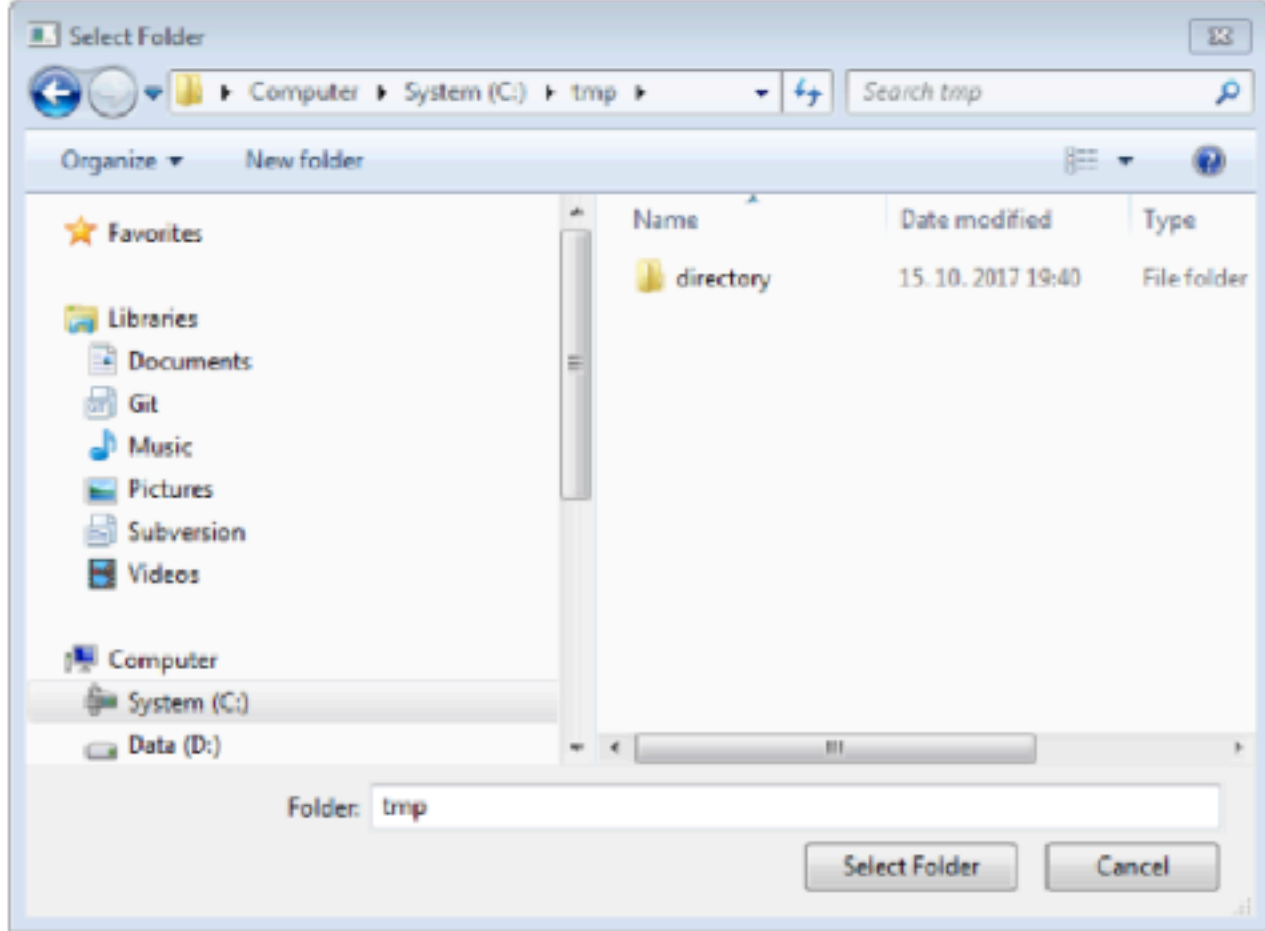
The DirectoryInfo now uses modern style

The **DirectoryInfo** has been re-implemented to use modern native widget introduced in Windows Vista. The new look and feel is as illustrated below:

Regarding usage of newer DirectoryInfo on Windows: In the old DirectoryInfo, we used to have the option to set a text message to specify the purpose of the DirectoryInfo using `DirectoryInfo#setMessage(String)`. This functionality is no more possible with the newer DirectoryInfo.

Hence, revisit the usage of `DirectoryInfo.setMessage(String)` in your projects, and if needed elaborate the `title` field of `DirectoryInfo` using `DirectoryInfo.setText(String)` method.

Note: Recommend to use a minimal set of words in the `title` field of DirectoryInfo and avoid making it look clumsy.



Show tips at startup Unread only

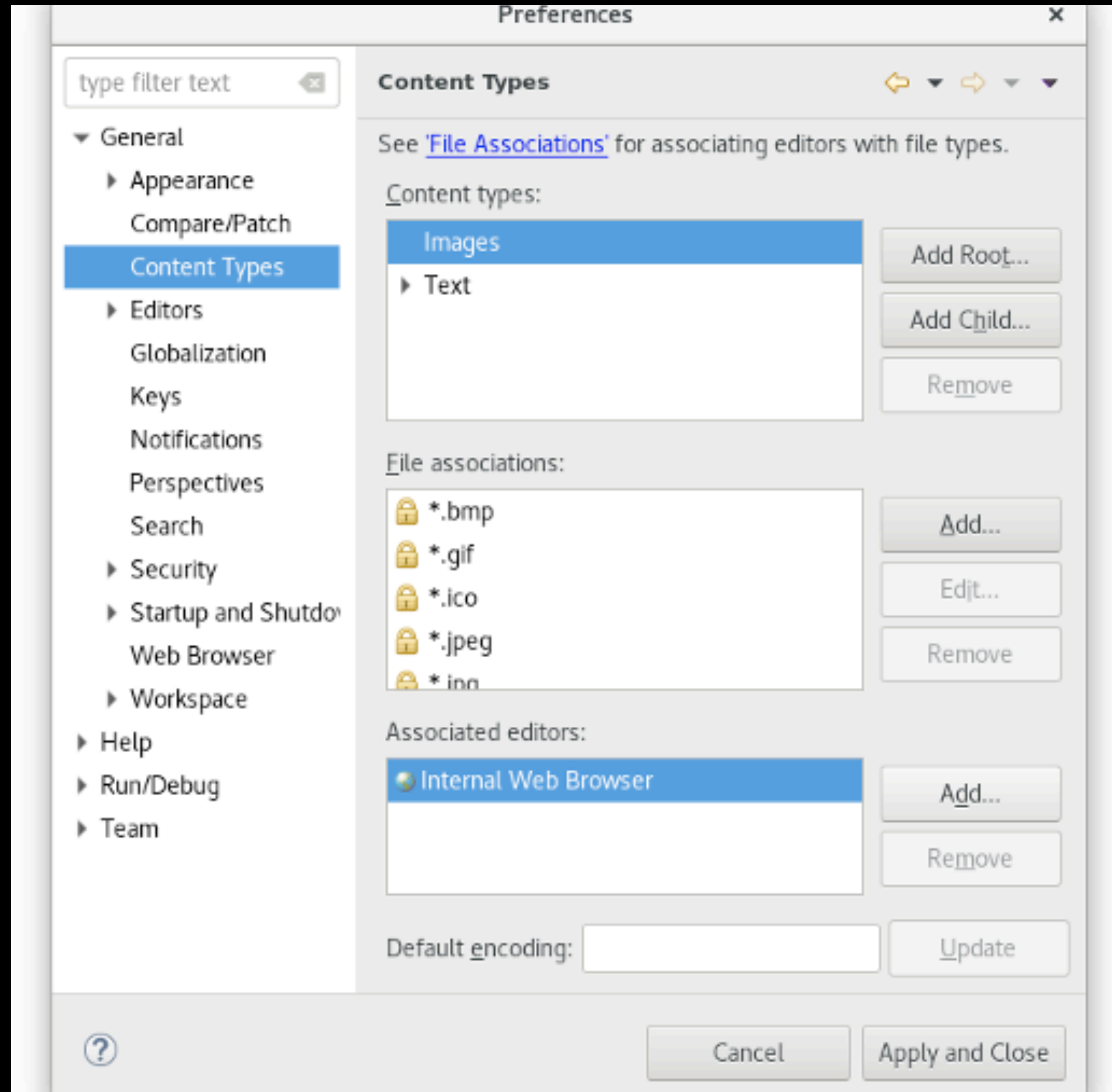
Previous Tip Next Tip Close

1 6 5 7 5 19 3 8 2

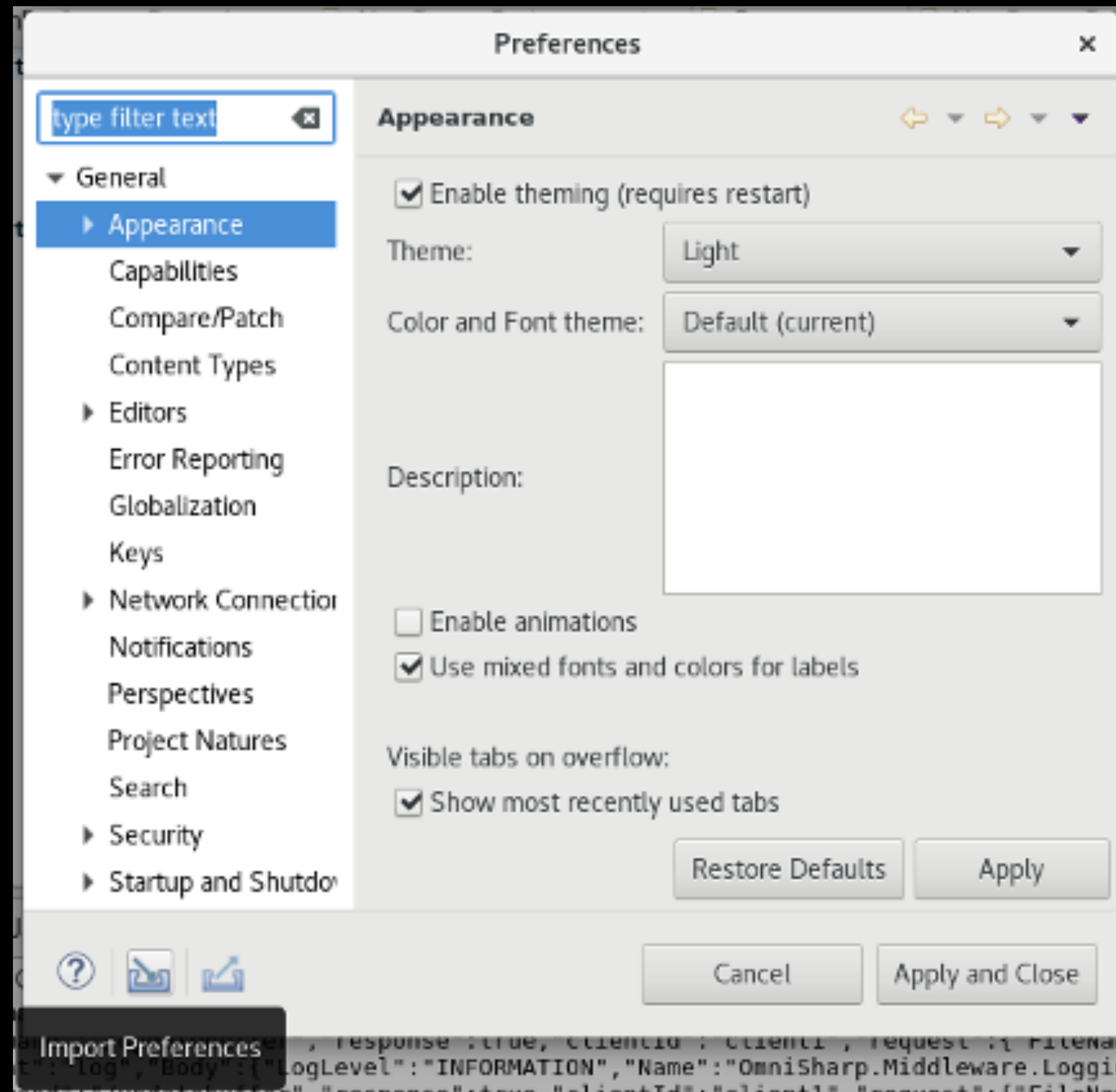
Preferences



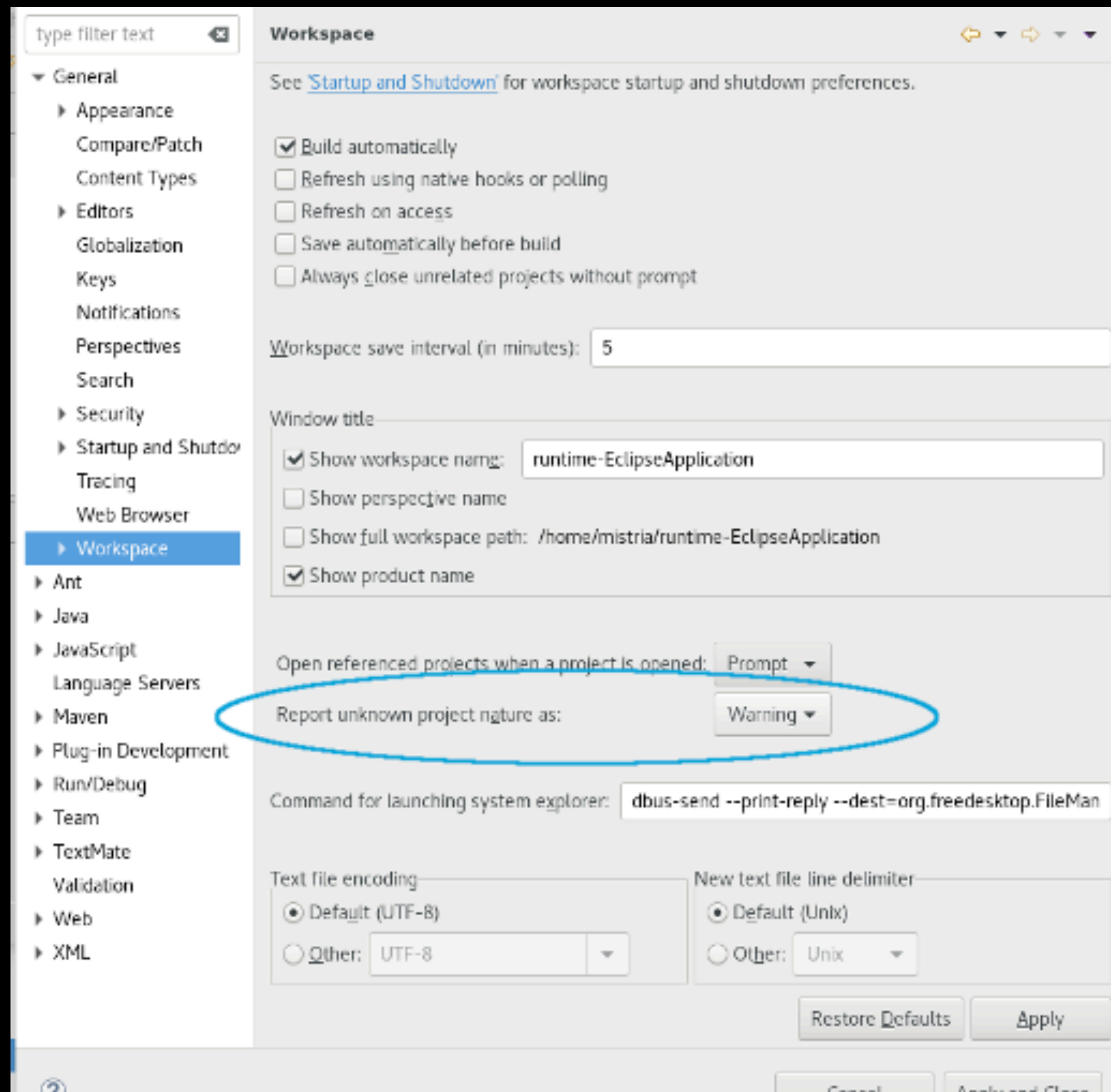
Content Type Associations



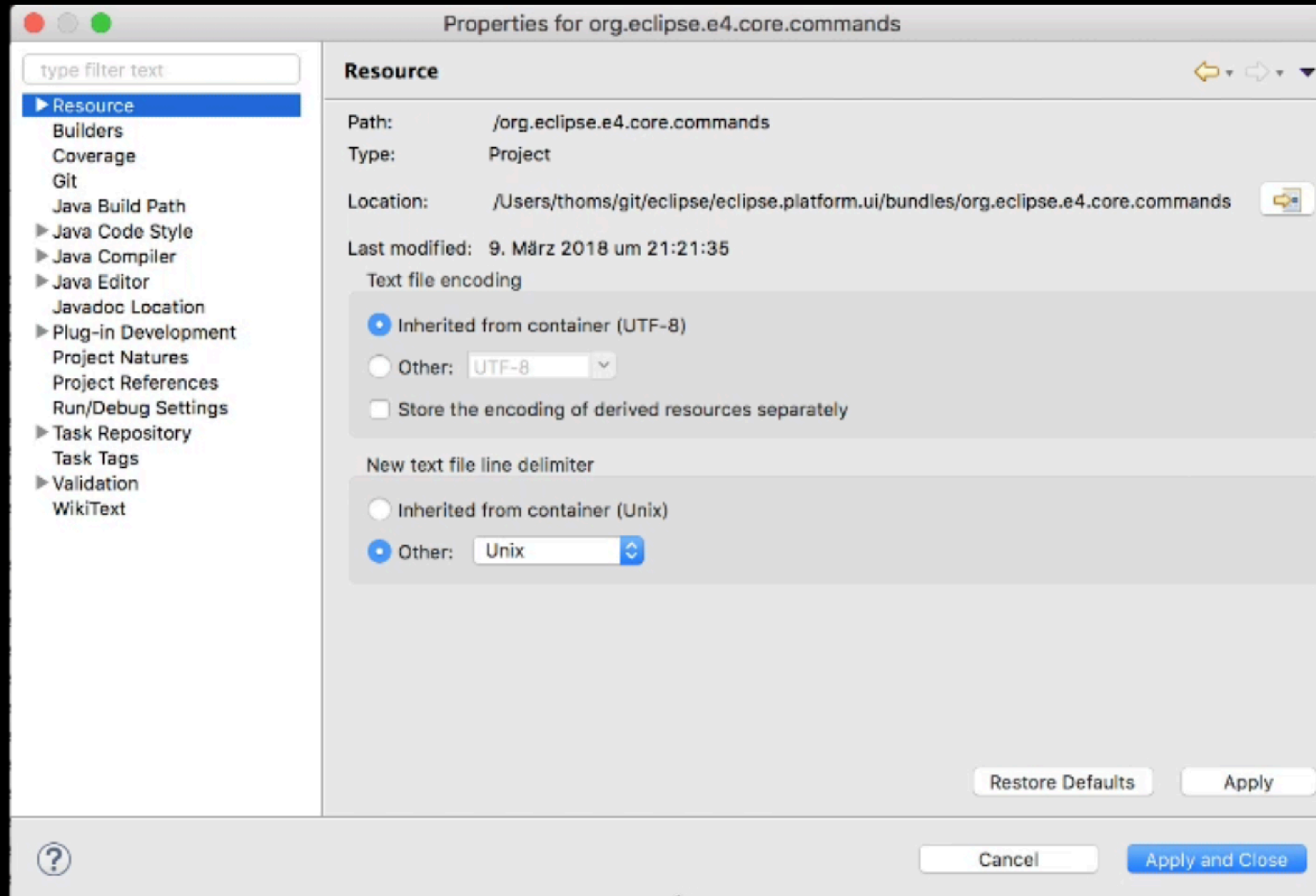
Import / Export Preferences



Unknown Nature Check



Manage Project Natures



Export Keys

Keys

Scheme:

type filter text

Command	Binding	When	Category	User
Abort Build			Build	

```
keys.csv
1 "Run/Debug","Run Ant Build","\u0000X Q","In Windows","org.eclipse.ant.ui.antShortcut.run"
2 "Window","Quick Switch Editor","\u0000E","In Windows","org.eclipse.ui.window.openEditorDropDown"
3 "Navigate","Go To Previous Unread Task","\u0000\u2191","In Tasks View","org.eclipse.myllyn.tasks.ui.co
4 "Text Editing","Zoom Out","\u0000-","Editing Text","org.eclipse.ui.edit.text.zoomOut"
Activate Task          \u0000F9      In Windows           Navigate
Add a Git Repository   \u0000G         Git
Add Block Comment     ^\u0000/        Editing Java Source  Source
Add Bookmark          \u0000B         Edit
Add Class Load Breakpoint \u0000M        Run/Debug
Add Import             \u2191\u0000M       Editing Java Source  Source
```

Copy Command Unbind Command Restore Command Filters... **Export CSV...**



Contact in Switzerland:

Serano Colameo

Phone: +41 (0)56 442 68 63

Email: serano.colameo@itemis-schweiz.ch

itemis Schweiz GmbH | Dorfstrasse 69 | CH-5210 Windisch | www.itemis-schweiz.ch