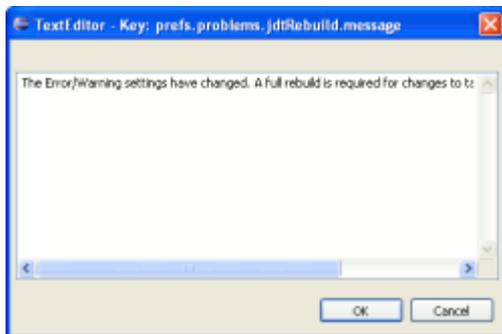


Searching in the editor



If you want to search for a string in the resourceBundle, you can do this by using the Find action (**Edit->Find/Replace... or Ctrl+F**). In this dialog you can enter text which will be searched and selected in the editor. You can search forward or backward and you have the option of doing a case sensitive search. If you want the search to continue at the beginning of the file when the search hits the end of the file, you can select wrap search.

Using the Edit Dialog



If you want a extra (multi-line) text field to enter a long message, press **Ctrl+F2** and a edit dialog opens. The dialog shows the content of the selected cell in a multi-line text field. To apply the changes click on the OK button or press **Ctrl+Enter**.

Error/warning annotations

The automatic background search of the editor runs every time the editor has been saved. It shows the errors found and warnings for the resourceBundle in the first column of the table.

There can be only one error but different kinds of warnings. An error will be shown if you enter a duplicate key into the resourceBundle.

Please see the following table of warnings:

Empty keys and values If a key or a value is empty, a warning will be shown in the first column of the table.

Possible redundancy If all values of a key are equal to the values of another key, this is a possible redundancy and a warning will be shown. You can delete one key and use only the other key in the application.

Using JInto features in the Java editor

Content Assist

The JInto content assist will make your life much easier. Everytime you need a value from the ResourceBundle, JInto will show you a list of possible completions.

Let's give an example:

You have configured `getString(String key)` of class `de.guhsoft.jinto.ui.Messages` as an accessor method for ResourceBundle `de.guhsoft.jinto.core.messages`. You've used the normal Java content assist to create the following code: `Messages.getString(key)`. Now you type **Ctrl + Space** and JInto will give you a list of possible key's from the `de.guhsoft.jinto.core.messages` ResourceBundle.

Please see the pictures below:

```
        = new Status(IStatus.ERROR, pluginID, IStatus.ERROR, "ExecutionEx  
fault().getLog().log(String key  
= Messages.getString(key);  
= Messages.getString(getErrorMessageKey());  
penError(this.fEditor.getEditorSite().getShell(), title, message,
```

Use content assist for
`Messages.getString(key)`

```
context() {  
    setResourceDataModel().getUndoContent();
```

```
        = new Status(IStatus.ERROR, pluginID, IStatus.ERROR, "ExecutionEx  
fault().getLog().log(status);  
= Messages.getString(key);  
= Messages.getString  
penError(this.fEditor
```

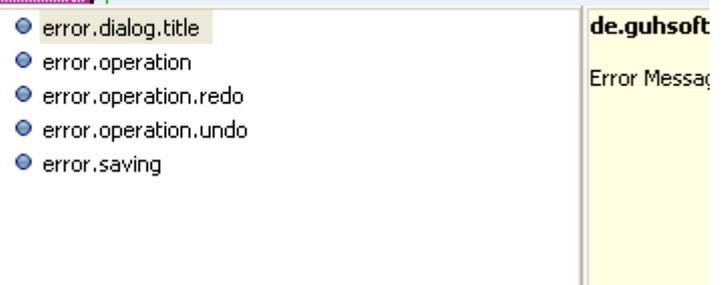
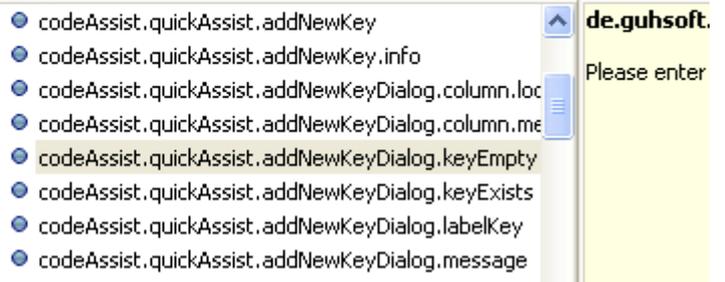
Press **Ctrl + Space**

```
context() {  
    setResourceDataModel()
```

```
        = new Status(IStatus.ERROR, pluginID, IStatus.ERROR, "ExecutionEx  
fault().getLog().log(status);  
= Messages.getString(error.);  
= Messages.getString  
penError(this.fEditor
```

Type the beginning of the
key you want to use.

```
context() {  
    setResourceDataModel()
```



```

= new Status(IStatus.ERROR, pluginID, IStatus.ERROR, "ExecutionEx
fault().getLog().log(status);
Messages.getString("error.dialog.title");
= Messages.getString(getErrorMessageKey());
openError(this.fEditor.getEditorSite().getShell(), title, message,

```

Press **Enter** and the selected key will be completed.

```

context() {
getResourceDataModel().getUndoContent();

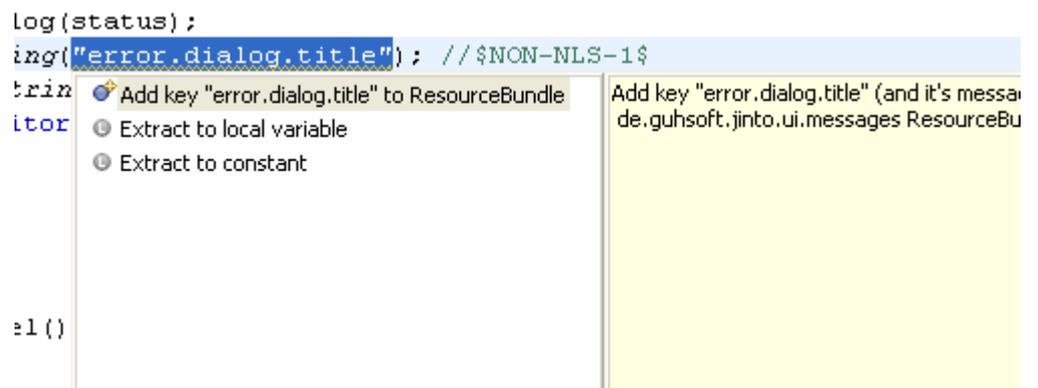
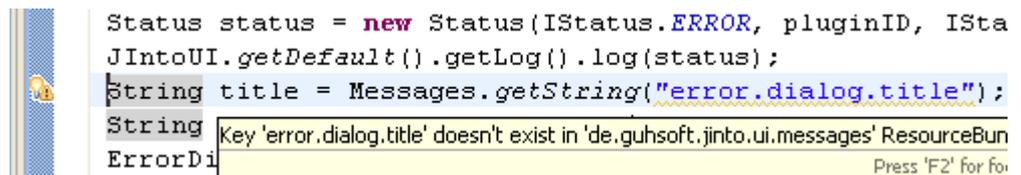
```

Quick Fix/Quick Assist

The Quick Fix/Quick Assist feature helps you to add new or non existing keys and it's messages fast and clean into the ResourceBundle without switching into the ResourceBundle editor.

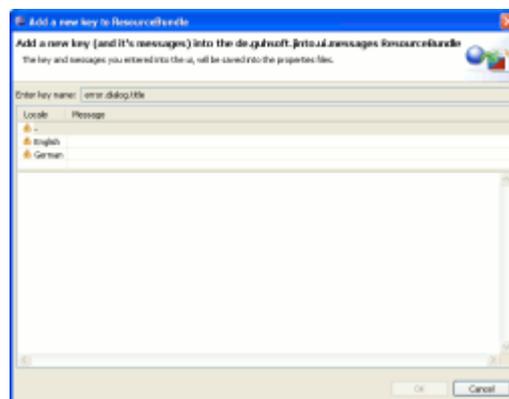
If there is a key (as string with quotes) which is not existing in the linked ResourceBundle, you can use the quick fix feature to add messages for that key into the ResourceBundle. Left click on the light bulb or invoking **Ctrl+1 (Edit > Quick Fix)** brings up the *Add key 'X' to ResourceBundle* correction proposal. If you select this correction proposal, an editor opens where you can enter the messages for this key and save them into the ResourceBundle by pressing **OK**.

Click on the light bulb or press **Ctrl+1 (Edit > Quick Fix)** to show the correction proposals.

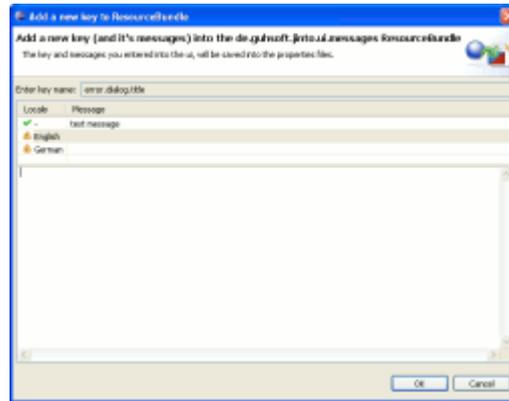


Select the *Add key 'X' to ResourceBundle* proposal

Then an editor opens where you can enter the messages for the key. After entering the message for the selected language, you can switch to the next language by clicking into the table or invoking **Ctrl+Tab**. If the last language is selected, **Ctrl+Tab** moves the focus to the OK button.



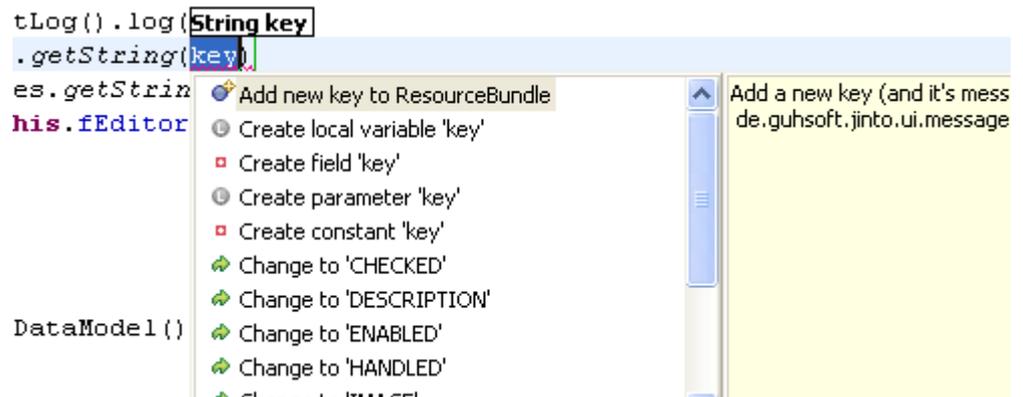
If there is a message for a displayed language, a check-icon is shown before the language.
 After pressing *OK*, the messages are saved under the given key.



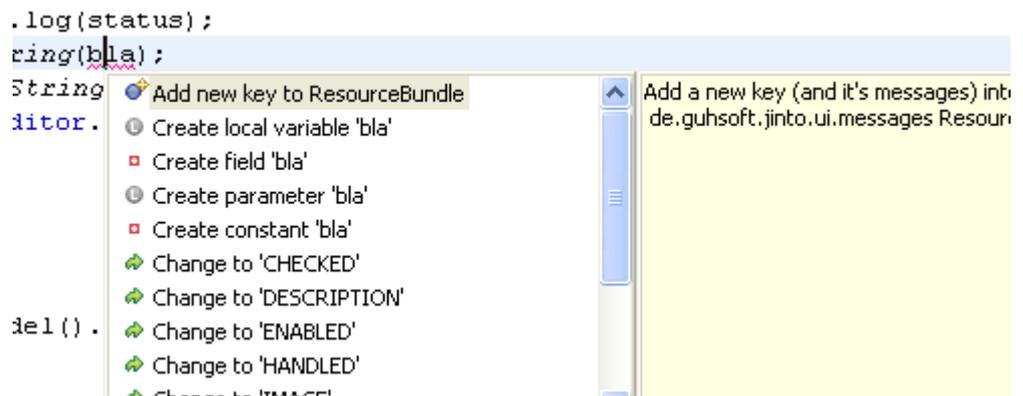
If you want to add a new key into the ResourceBundle without switching into the ResourceBundle editor, you can use the quick assist. The JInto quick assist is invoked on a selection of the right argument in a accessor method invocation and uses the same shortcut as quick fixes (**Ctrl+1**).

For example if you type a method invocation by using code assist:

Press **Ctrl+1** to show the proposals. Select *Add new key to ResourceBundle* to invoke the "Add new Key"-Dialog.



Press **Ctrl+1** to show the proposals. Select *Add new key to ResourceBundle* to invoke the "Add new Key"-Dialog.



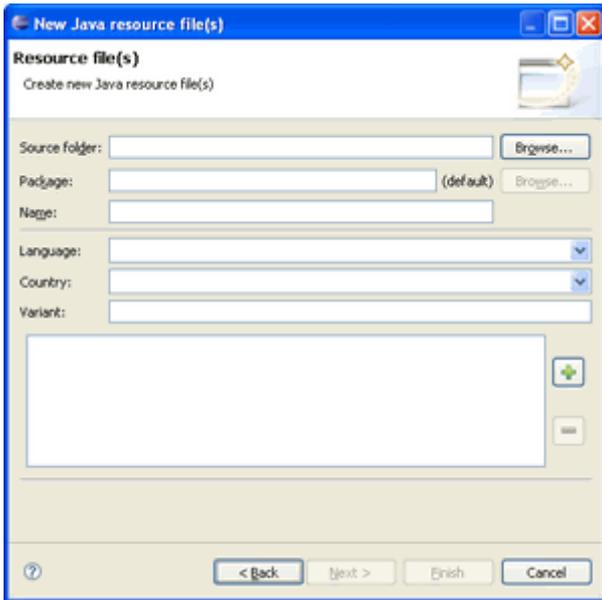
Fast Navigation

```
try {
    ...
} catch (Exception e) {
    ...
    oUI.getID();
    status(IStatus.ERROR, pluginID, IStatus.ERROR,
    ...
    getLog().log(status);
    s.getString("error.dialog.title"); //$NON-NLS-1$
    ...
    ges.getString(getErrorMessageKey());
    this.fEditor.getEditorSite().getShell(), title);
}
```

If you want to get from the Java editor into the ResourceBundle editor with one click, you can use the JInto fast navigation.

You only have to hover a key and press **Ctrl**. If the key is found in the linked ResourceBundle, a hyperlink is shown. When you click on that hyperlink, it opens the ResourceBundle editor and selects the clicked key.

ResourceFile Wizard



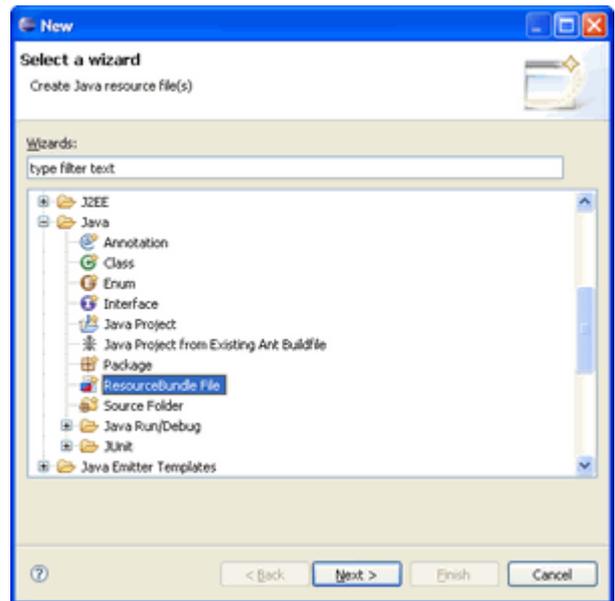
In this section, you will learn how to create new resourceBundle files with the JInto resourceFile wizard. The wizard simplifies the language- and country-code selection and you can create several .properties files in one step.

The following table contains a tutorial on how to generate 4 .properties files at once. The generated files are:

Language	Country	Variant
German	Germany	Unix
German	Germany	Windows
English	United Kingdom	Unix
English	United Kingdom	Windows

You must open the wizard selection dialog with **CTRL+N**, **File > New > Other** or **New > Other** in the toolbar.

Select the **ResourceBundle File** under folder **Java** and click Next.



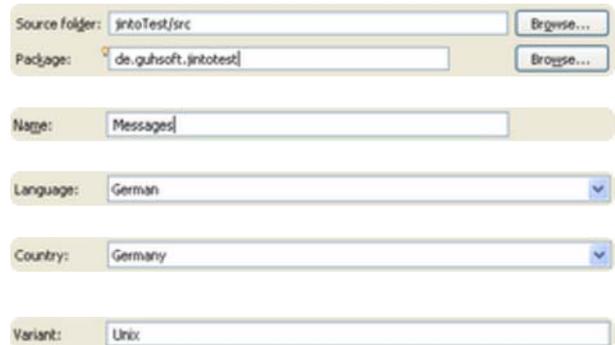
Fill in the **Source Folder** and the **Package** Fields.

Now enter the **Name** of the resourceBundle files.

As next step we must select the **Language** of our first file.

Then we select the **Country** of the first file.

The next step is to write additional text into the **Variant** field if needed.



As last action for our first file we press the **add** button for adding the file into the list.



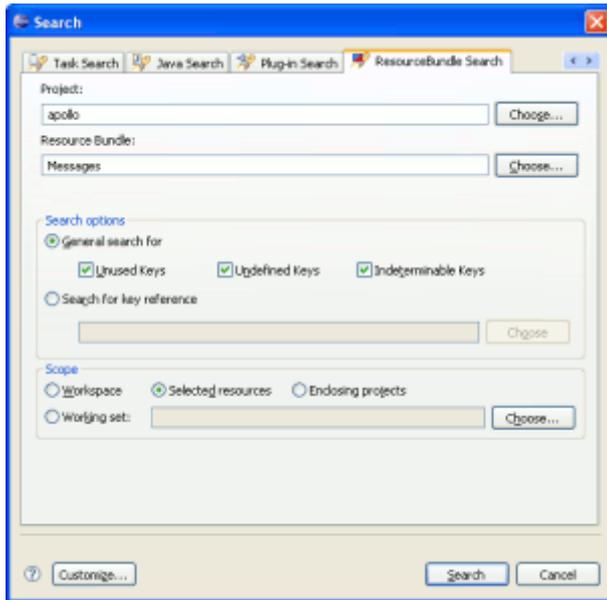
Now we repeat the last four steps until we have all files in the list (changing the country, language and variant settings appropriately).



As last step we press the **Finish** button and the files will be generated.



ResourceBundle Search



When you work on big projects with complex resource files, it may quickly happen that you forget to remove or add a key into the resourceBundle. For this reason JInto offers a search function with which you can search for unused or undefined keys in a resourceBundle.

You can also search for references of a key in Java files by clicking right on a key in the ResourceBundle editor and select 'Search by Reference'.

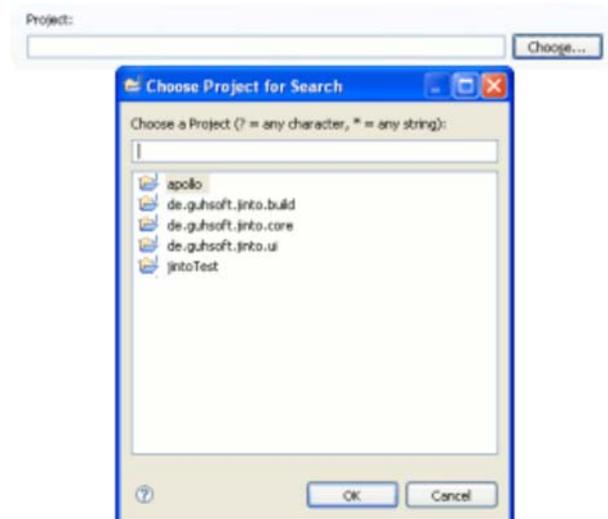
The following tutorial shows a sample ResourceBundle search.

You must first open the ResourceBundle search. You can do this by clicking **CTRL+H** in a ResourceBundle editor, or select **Search > ResourceBundle...**

If the currently selected item in eclipse is a ResourceBundle editor or a resource file, the ResourceBundle search automatically selects the ResourceBundle in the search dialog.

You can also select the ResourceBundle manually in the dialog. You first have to select the project where the ResourceBundle is located. Click on **Choose...** next to the project text field. Here you can select one of the project's which contains resource bundles.

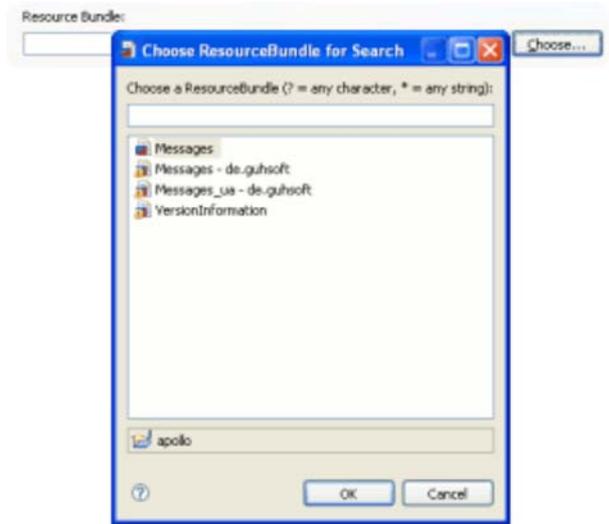
Tipp: use **CTRL+Space** to choose a project with auto completion.



After selecting a project you have to select the resourceBundle. Please open the resourceBundle dialog by clicking on **Choose...** next the resourceBundle text field. Here you can select one of the resource bundle in the selected project.

If the resourceBundle is not configured in the project (see [JInto Property Page](#)), an error is shown under the text field's.

Tipp: use *CTRL+Space* to choose a resourceBundle with auto completion.



The next step is the search options selection. You can choose between **General search** or **Reference Search**. In the General Search you can search for unused, undefined and indeterminable keys.

Unused Keys are keys in the resourceBundle which are not used in the .java files searched, **Undefined Keys** are referenced in the .java files but don't exist in the resourceBundle. And **Indeterminable Keys** are references in .java file which the program cannot resolve (variables, anything that will only be known at runtime of the application).

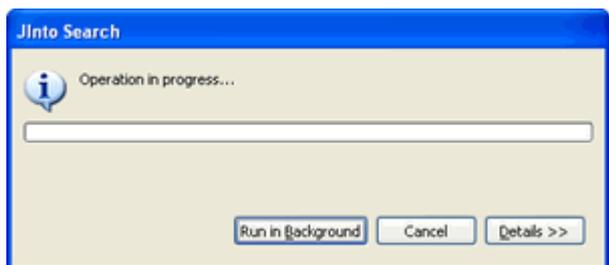
A Reference Search searches for all references of one key in the selected resource bundle. You can choose the key from a dialog or enter the text manually.



The last step of the search is the selection of the search scope. Here you can chose between Workspace, Selected Resources, Enclosing Projects and one or more Working Sets.



Now you can start the search. The result will be shown in the Eclipse Search view. The search can also be done in background.

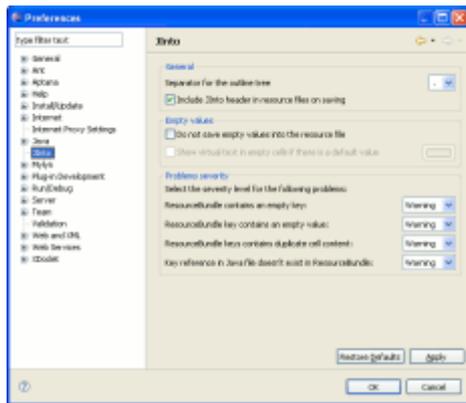


The result is structured in three groups: Unused Keys, Undefined Keys and Indeterminable Keys. If there is no result for one group or you haven't selected the group in the search dialog, there is no node in the Search view.

A **Reference Search** shows the java elements which references the key.



Preferences



The preferences page of JInto is separated into three categories. The first category is for general settings. The next category contains the settings for empty values and the third category is for problems settings.

General

Select the separator for the outline. The selected separator is used to separate the key's into a tree for better and faster navigation.

If you select **Include JInto header in resource files on saving**, a header comment is written in every *.properties file you're saving with JInto.

Empty values

If you don't want to save empty values into the *.properties file, you can select the **Do not save empty values into the resource file** option.

If you select the **Show virtual text in empty cells if there is a default value**, every empty cell displays the text from the default resource file if there is a default resource file.

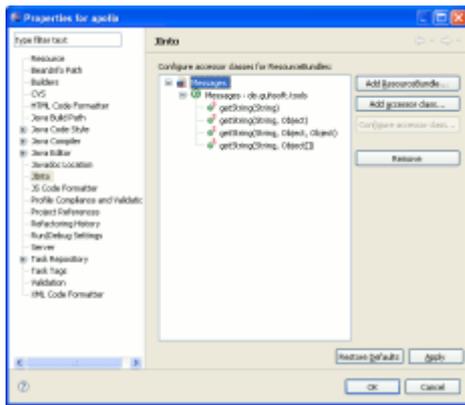
With the color button you can select the color of the virtual text.

Problems severity

In this category of the preferences dialog you can select the severity of the JInto problems. You can select **Ignore**, **Warning** or **Error** for every problem JInto checks in the background.

The first three problems are marked in the ResourceBundle Editor and the last problem will be marked in the Compilation Unit (only if JInto is [configured right](#)). JInto will also provide a quick fix for this problem.

Property Page

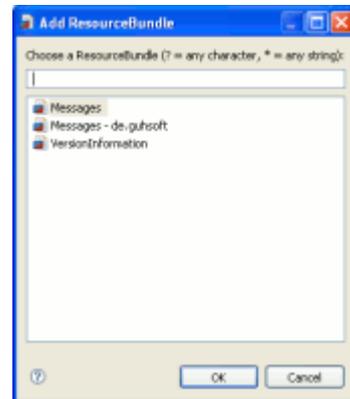


JInto also has a property page in the project properties. Here you can configure accessor methods for resourceBundles. This is needed to use the search or all the cool features in the [Java Editor](#).

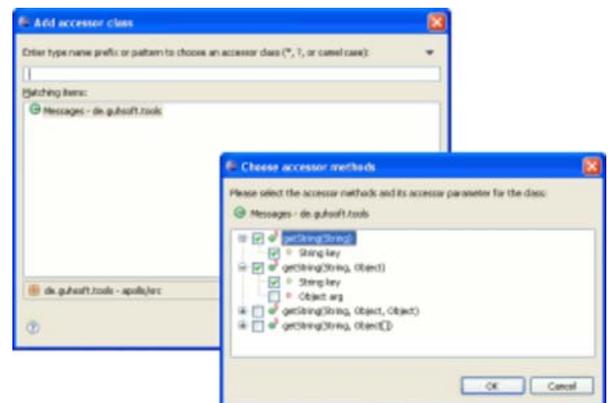
You first have to open the **Project Properties** and select the **JInto** property page.

Please click on the **Add ResourceBundle...** button to add a new resourceBundle configuration.

A Dialog where you can choose one of the resourceBundle's in the project is opened. Select the resourceBundle you want to configure.

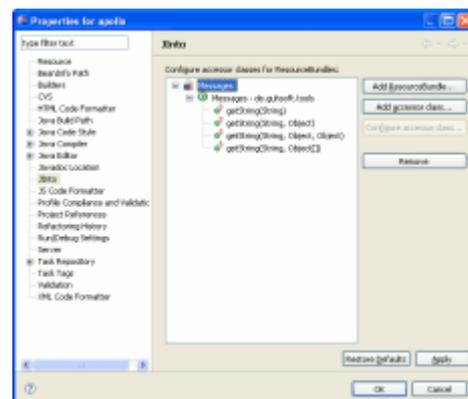


After selecting the resourceBundle, a dialog where you select the accessor class is shown. Please choose the class which contains the accessor method's for the selected resourceBundle. Then you see a method selection dialog, where you have to select the method and the parameter that will hold the key.



If you have configured a resourceBundle correct, you can see the configuration in the property page. With the button's in the right, you can add multiple accessor classes and/or methods to one resourceBundle...

Note: The resourceBundle and its accessor class(es) have to be in the same project.



Known issues

- Repaint bug in the table header in very wide tables under windows. Please see [Eclipse Bugzilla #79980](#)

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