

FORTRA

beSOURCE
5.2

Eclipse Plugin User Guide

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Table of Contents

Getting Started	1
Server Connection and Login	1
Rule Update	1
JDK Setting for Analysis Engine	1
Debug and Analysis Option	2
Analyzing Source	4
Setting the project rule-set	4
Setting the rule-set	4
Starting Analysis	6
Checking Results	7
beSOURCE Analysis Result View	7
Tool Buttons	7

Getting Started

IMPORTANT: Install the beSOURCE Eclipse plugin before using this guide. For instructions on how to install the plugin, refer to the **beSOURCE Enterprise Edition Installation Guide**.

To use the beSOURCE Eclipse plugin, do the following:

1. Open the **beSOURCE Eclipse plugin**.
2. Select **Windows > Preferences > beSOURCE**.

Server Connection and Login

Enter Rule Server Information:

Input server address for updating rule and analysis engine.

Address:

sample)
 http://server.homepage.com:50102
 https://100,10,1,1:50102

1. For **Enter Rule Server Information**, enter the IP address for the beSOURCE server in the **Address** box.
2. Select **Connection Test**.

Rule Update

Update Rule, Analysis Engine:

Recent Update: 2018/01/16 18:08:02

Initialize rule and analysis engine

When you first install the plugin, select **Initialize** under **Update Rule, Analysis Engine** to download the rule set and Analysis Engine to your Eclipse environment. The updated rule set and Analysis Engine will be automatically download when you log in again. Select **View Details** to see download details.

JDK Setting for Analysis Engine

Java Setting for Analysis Engine:
 Enter JDK or JRE home directory of Java 1.6 or higher version.

Select Directory:

vm option:

The Eclipse plugin requires Java 1.6 or later. Under **Java Setting for Analysis Engine**, enter the home directory of JDK or JRE 1.6 or later.

Debug and Analysis Option

Set Analysis Result Display Mode

View Analyzed Files Only

View All Files

It displays result of actually analyzed files and previous analysis result together. The same applies for uploading results to server.

Create Debug File:

It creates a zip file with module information, Eclipse error log and the last analysis log.

Initialize All Project's Analysis Data:

*It will initialize all project's analysis data.
It can be conducted when the Eclipse workspace is changed or occurring a problem after analysis engine patch.*

- **Set Analysis Result Display Mode**
 - **View Analyzed Files Only** - Shows analysis results for the analyzed source files only.
 - **View All Files** - Shows all file analysis results merging current analysis results with the previous analysis results.
- **Create Debug File**

- Creates a zip file with several logs and configuration information when analysis error occurred.
- **Initialize All Project's Analysis Data**
 - Removes all project analysis results data.
 - You can use this feature when you moved workspace directory or if you want to completely drop analysis results because there was big changes in rules or analysis engine.

Analyzing Source

Setting the project rule-set

There are two methods to apply a rule set:

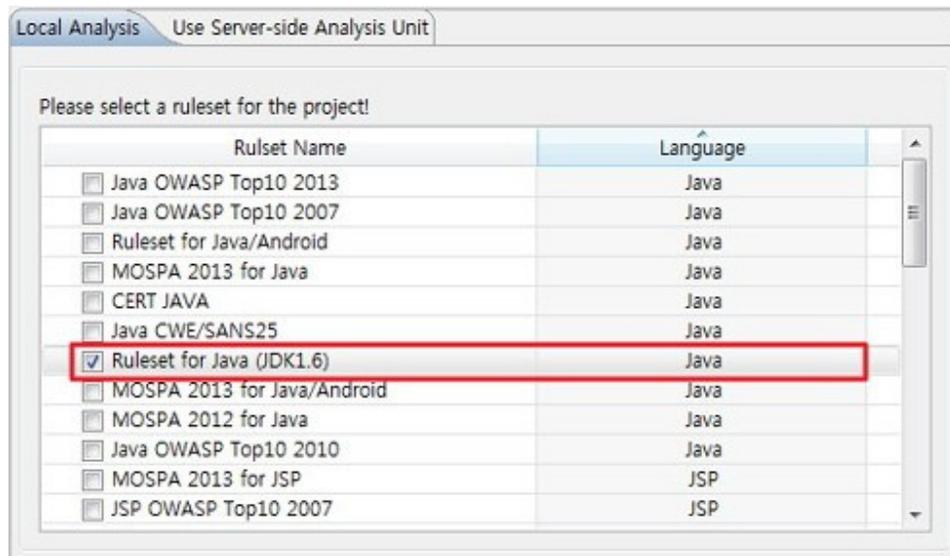
1. **Local Rule-set Analysis Mode** - Used for local inspection.
2. **Server-side Analysis Unit Mode**
 - a. Uses a server-side analysis unit managed by the administrator, which includes all information to inspect source codes and SQL files such as rule set and library files. This mode allows the Eclipse plugin to download the information from the server and inspect source codes as the same as server environment.
 - b. Ensures the same inspection results as server-side analysis.
 - c. Pros
 - a. Applies the same rule-set and environment with server including SQL-related rules.
 - b. If an administrator changes the configuration of the server-side Analysis Unit, it will automatically update in the Eclipse plugin.
 - d. Con - Eclipse user cannot change rule-set or rules.

Setting the rule-set

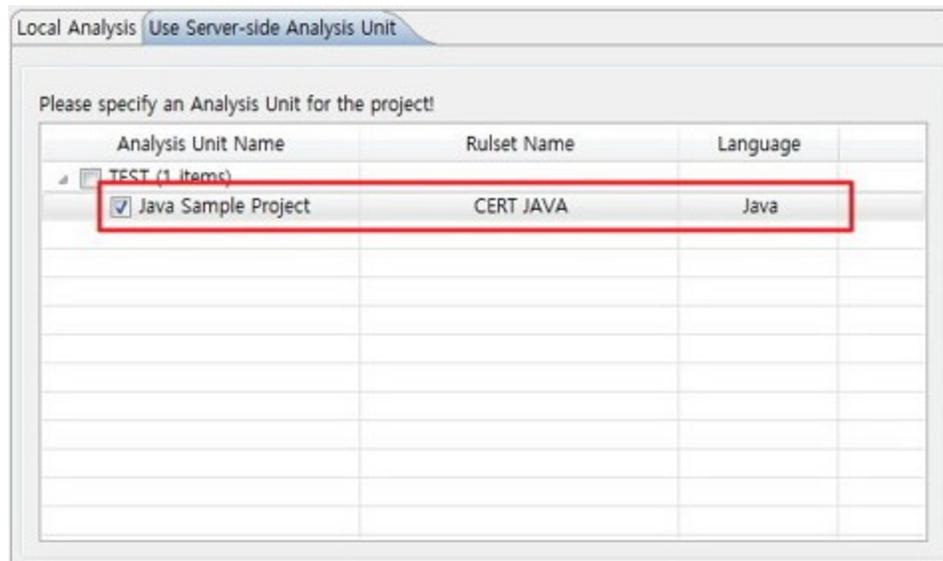
1. In the **Package Explorer** view, select your project and open context menus.
2. Select **Properties > beSOURCE**.
3. Select **Local Analysis** or **Use Server-side Analysis Unit**:

NOTE: If you are not logged in, the **Use Server-side Analysis Unit** tab will not appear.

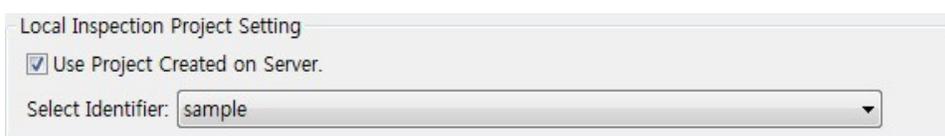
1. To select a rule-set on the **Local Analysis** tab, select from one of the local copied rule-sets list. The project language and rule-set language must match.



2. To select a rule-set on the **Use Server-side Analysis Unit** tab:
 - a. View the **Analysis Group** and its **Analysis Units** on the server. This will display the rule-set and language type of the Analysis Unit.
 - b. Select an **Analysis Unit**, not Analysis Group.



4. To upload the inspection result to the server and share it with the administrator, select **Use Project Created on Server**, and then select a project. When using the Server Uploading feature, the project name will appear automatically.



5. Select **OK** to save your settings.

Starting Analysis

To inspect your project after configuring it, do the following:

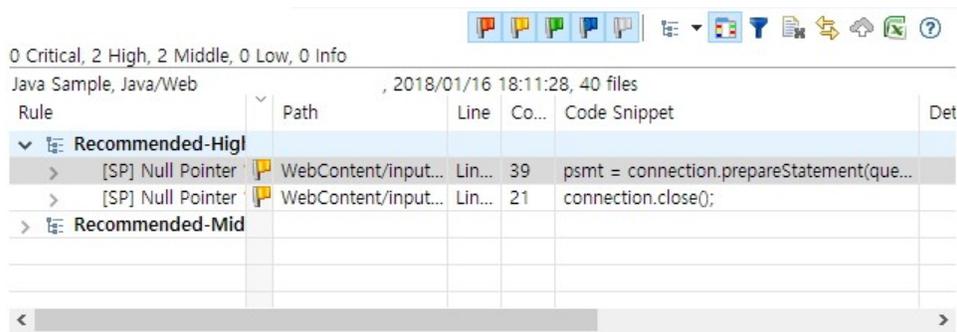
1. Open or create your project.
2. Open the context menu for the project.
 - a. Select **beSOURCE > beSOURCE Analysis** menu. The inspection will begin.
 - b. To part of all source files in the project, select some source files or directory, and then select the **Analysis** menu.

Checking Results

The **beSOURCE Analysis Result** view shows analysis results. If there were errors, the **beSOURCE Analysis Error** view will show details.

beSOURCE Analysis Result View

The latest analysis results are displayed. When you double click a rule violation in the list, it moves to the corresponding code line in source editor. You can adjust showing columns in the view.



Tool Buttons

Icon	Function
	Displays the selected priority rule violations only.
	Displays rule violations by the selected category.
	Displays rule violation information in the source editor.
	Displays excluded (filtered out) rule violations only.
	Deletes all rule violations in the list.
	it shows rule violations for the selected source file only.
	it uploads the analysis results to beSOURCE server (server analysis mode only).
	it exports analysis result to Excel.
	it shows rule description and sample codes for a rule violation.