

# Source Code Filters

## How to Set Source Code Filters with Kiuwan Local Analyzer (KLA)

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### The source code filter mechanism

If there are files and directories you do not want to analyze, you can set a filter for them. KLA has a source code filter mechanism based on Ant-style include and exclude patterns. Here are some example patterns (find more [here](#)):

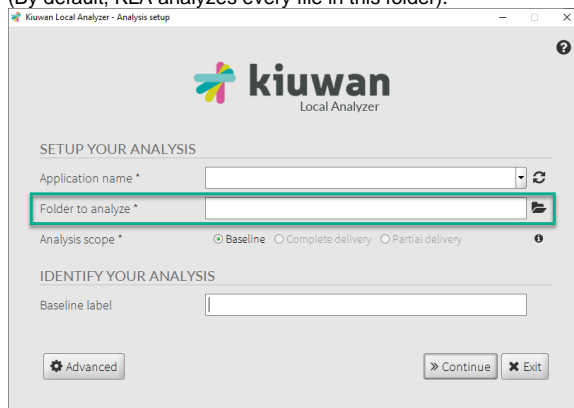
Example patterns:

**/CVS/*	Matches all files in CVS directories that can be located anywhere in the directory tree. Matches: CVS/Repository org/apache/CVS/Entries org/apache/jakarta/tools/ant/CVS/Entries  But not: org/apache/CVS/foo/bar/Entries (foo/bar/ part does not match)
org/apache/jakarta/**	Matches all files in the org/apache/jakarta directory tree. Matches: org/apache/jakarta/tools/ant/docs/index.html org/apache/jakarta/test.xml  But not: org/apache/xyz.java (jakarta/ part is missing).
org/apache/**/CVS/*	Matches all files in CVS directories that are located anywhere in the directory tree under org/apache. Matches: org/apache/CVS/Entries org/apache/jakarta/tools/ant/CVS/Entries  But not: org/apache/CVS/foo/bar/Entries (foo/bar/ part does not match)
**/test/**	Matches all files that have a test element in their path, including test as a filename.

### Set source code filters

1. Specify the root directory (SOURCE\_DIR) where the source code files are located in **Folder to analyze**.

(By default, KLA analyzes every file in this folder).



2. Click on **Advanced**



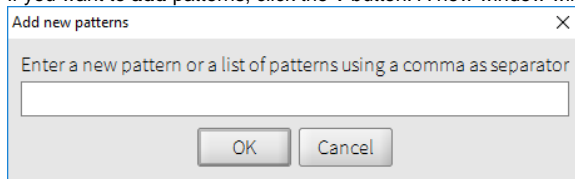
3. A new window displays



**Include patterns** specify what subset(s) of files will be analyzed.

**Exclude patterns** specify what subset(s) of file will **not** be analyzed.

4. If you want to **add** patterns, click the **+** button. A new window will appear:



5. If you want to **remove** a pattern, select it and click the **-** button.  
If you want to **edit** an existing pattern or **copy** the text, double click on it.



**i** Exclude patterns take precedence over include patterns.

If you define the patterns below, the analysis will not process any js file:

- Include : src/\*\*/\*.js
- Exclude: \*\*/\*.js

The exclude pattern defines: exclude all .js files in any directory and with any name.  
Therefore, the include pattern has no effect.

The table below explains how the whole mechanism works and what fileset will be analyzed by Kiuwan:

		Include pattern	
		NO	YES
Exclude pattern	NO	The whole SOURCE_DIR will be analyzed	Only the resulting fileset after inclusion of matched files will be analyzed
	YES	Only the resulting fileset after exclusion of matched files will be analyzed	First, the exclusion pattern reduces the SOURCE_DIR  Second, over the above fileset, only those files matching the include pattern will be processed