# Error Parser Options

Use the **Error Parsers Tab** on  Build preference panel to define global error parsing options.

**Error Parsers** scan build output looking for potential error or warning messages. They create **Problem Markers** which help to visualize problems for users. Most of Error Parsers scan build output line by line and check if the line match a certain pattern. This preference page lets define those patterns.



**Error Parsers**

| **Group** | **Description** |
| --- | --- |
| **Error Parsers** | Lists the available error parsers and the order in which they are called.   * Click **Add...** to add additional parsers. * Click **Edit...** to show the Error Parser Options list if applicable. * Click **Delete** to remove a parser. * Click **Move Up** to move a parser earlier in the call order. * Click **Move Down** to remove a parser later in the call order. |
| **Error Parser Options** | Lists the patterns used by the selected error parser and the order in which they are called.   * Click **Add...** to add a new pattern to the list. * Click **Delete** to remove a pattern. * Click **Move Up** to move a pattern earlier in the call order. * Click **Move Down** to remove a pattern later in the call order. * Click a pattern to select it for editing. |

**Error Parser Patterns**

| **Field** | **Description** |
| --- | --- |
| **Severity** | Defines severity of problem marker to be generated. The choice is one of following: **Error**  **Warning**  **Info**  **Ignore** - use this option to suppress generating a marker. |
| **Pattern** | Java regular expression pattern. This pattern should define groups in parentheses for using in **File**, **Line**, and **Description** fields.  The pattern is assumed to start from the beginning of line and end at the end, so it is unnecessary to specify starting "^" or ending "$" in the pattern. |
| **File** | Define a file which will be associated with the problem marker.  This is a replacement pattern. Use **$** notation to refer to one of the the groups defined in **Pattern**, i.e. **$1**, **$2**,**$3** etc. |
| **Line** | Define a line in the file which will be associated with the problem marker.  This is a replacement pattern like for **File** field. |
| **Description** | Define a description which will be assigned to the problem marker.  This is a replacement pattern like for **File** field. |
| **Consume** | This field defines if the pattern stops processing of output line (consumes it). By default it does (field is empty). Use **No** if the same line needs to be processed by several patterns. |



[Build overview](http://docs.google.com/concepts/cdt_c_build_over.htm)



[Tracking down compilation errors](http://docs.google.com/tasks/cdt_o_builderrors.htm)

[Defining Project Build settings](http://docs.google.com/tasks/cdt_t_proj_build_set.htm)

[Building projects](http://docs.google.com/tasks/cdt_o_build_task.htm)



[Project properties, Error Parsers tab](http://docs.google.com/reference/cdt_u_prop_build_settings_errparser.htm)

[Console View](http://docs.google.com/reference/cdt_u_console_view.htm)

[Problems View](http://docs.google.com/reference/cdt_u_problems_view.htm)



