Qt **DOCUMENTATION**

Qt Creator Manual 8.0.2

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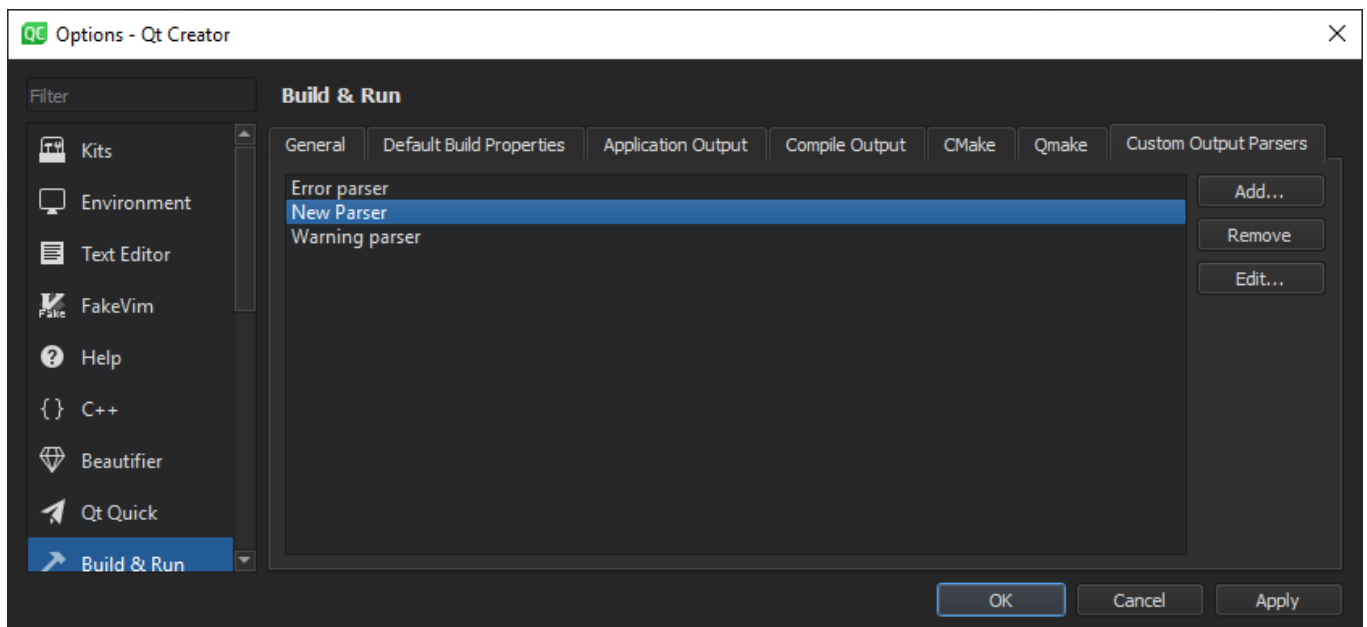Qt Creator Manual > Using Custom Output Parsers

Using Custom Output Parsers

Custom output parsers scan command line output for error and warning patterns that you specify and create entries for found patterns in Issues.

To view or add custom output parsers, select **Edit** > **Preferences** > **Build & Run** > **Custom Output Parsers**.
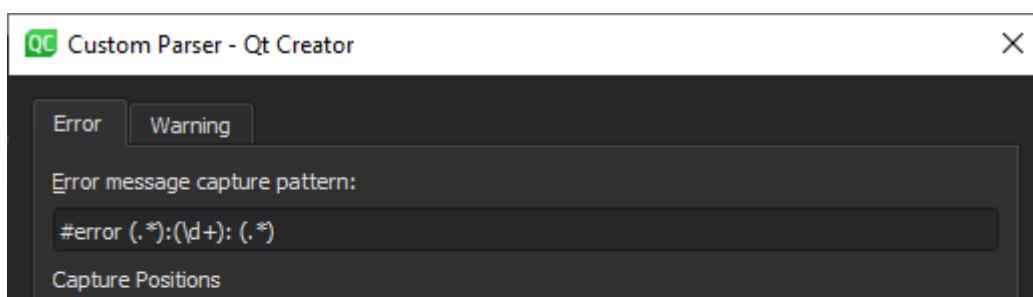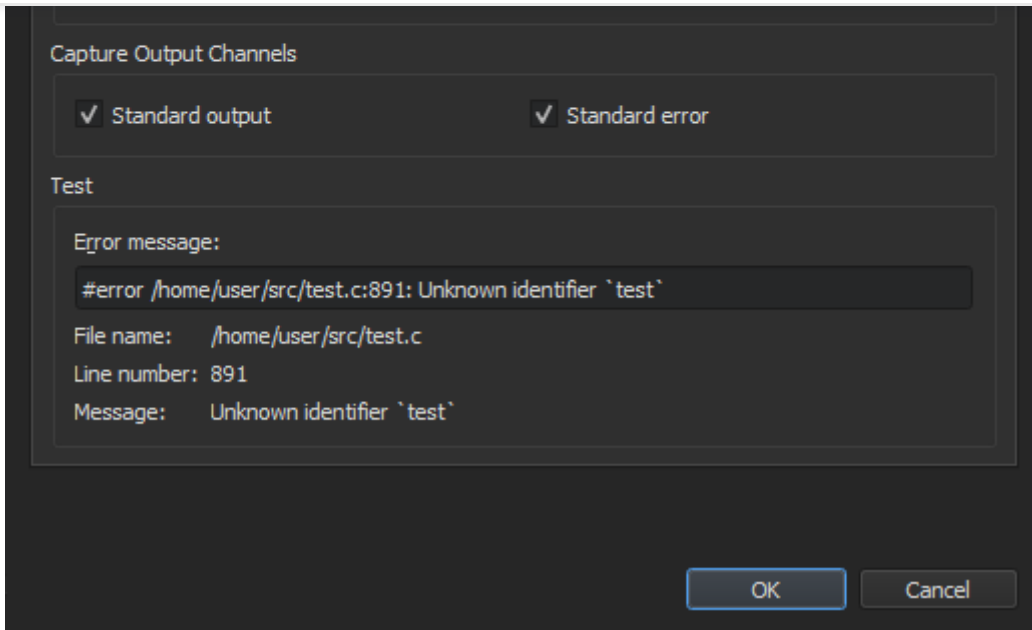

To edit the settings of a custom output parser, select it in the list, and then select **Edit**.

To remove the selected parser, select **Remove**.

You can activate custom output parsers in the **Custom Output Parsers** section of the **Build** and **Run** settings, as well as in the custom compiler settings.

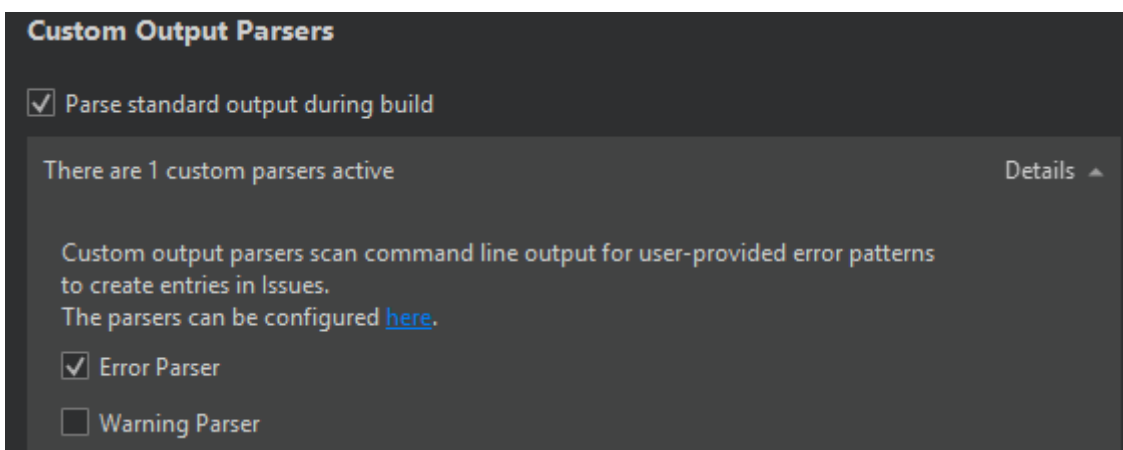## Specifying Settings for Custom Output Parsers

A custom output parser enables you to capture errors and warnings separately, according to the settings you specify in the **Error** and **Warning** tab.

To create a custom output parser:

1. Select **Edit** > **Preferences** > **Build & Run** > **Custom Output Parsers** > **Add**.

2. In the **Error message capture pattern** field, specify a regular expression to define what is an error. The custom parser matches the compile output line by line against the regular expression and displays errors in Issues. Create regular expression groups that contain the file name, line number and error message.

3. In the **Capture Positions** field, map the regular expression groups to **File name**, **Line number**, and **Message**.

4. In the **Capture Output Channels** field, specify whether messages from standard output, standard error, or both channels should be captured.

5. In the **Test** group, you can test how the message that you enter in the **Error message** field is matched when using the current settings.

6. Select **OK** to add the parser to the list of parsers and return to the **Custom Output Parsers** tab.

7. Double-click the parser name to change it to something more descriptive than the default value.

Activating Custom Output Parsers

To activate a custom output parser in the **Build** or **Run** settings of a project:

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Select **Parse standard output during build** to make output parsers look for diagnostics on `stdout` in addition to `stderr`.

‹ Specifying Environment Settings   Sharing Project Settings ›

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