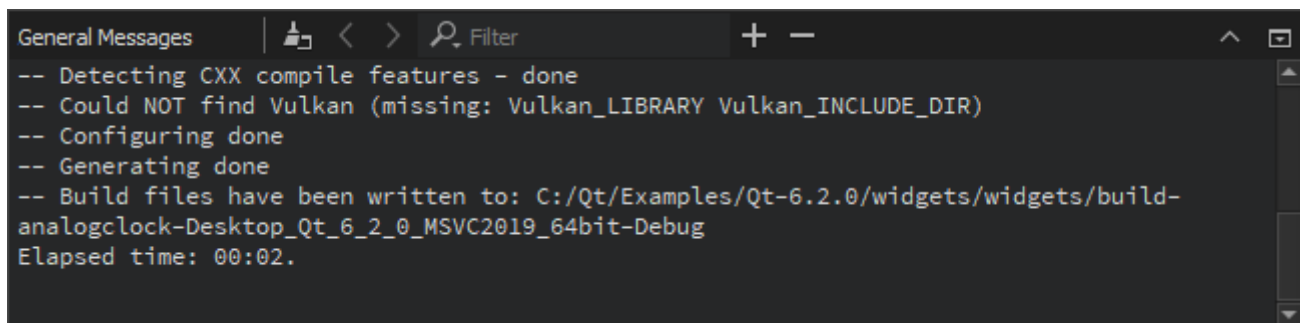


# Viewing Output

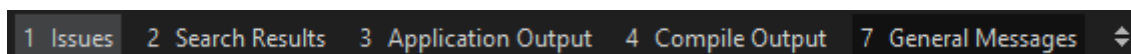


```
General Messages | [Icons] < > [Filter] + - ^ [Close]
-- Detecting CXX compile features - done
-- Could NOT find Vulkan (missing: Vulkan_LIBRARY Vulkan_INCLUDE_DIR)
-- Configuring done
-- Generating done
-- Build files have been written to: C:/Qt/Examples/Qt-6.2.0/widgets/widgets/build-
analogclock-Desktop_Qt_6_2_0_MSVC2019_64bit-Debug
Elapsed time: 00:02.
```


The taskbar in Qt Creator can display following types of output:

- > Issues
- > Search Results
- > Application Output
- > Compile Output
- > QML Debugger Console
- > General Messages
- > Version Control
- > Test Results
- > To-Do Entries

Output is available on the taskbar in all [modes](#).



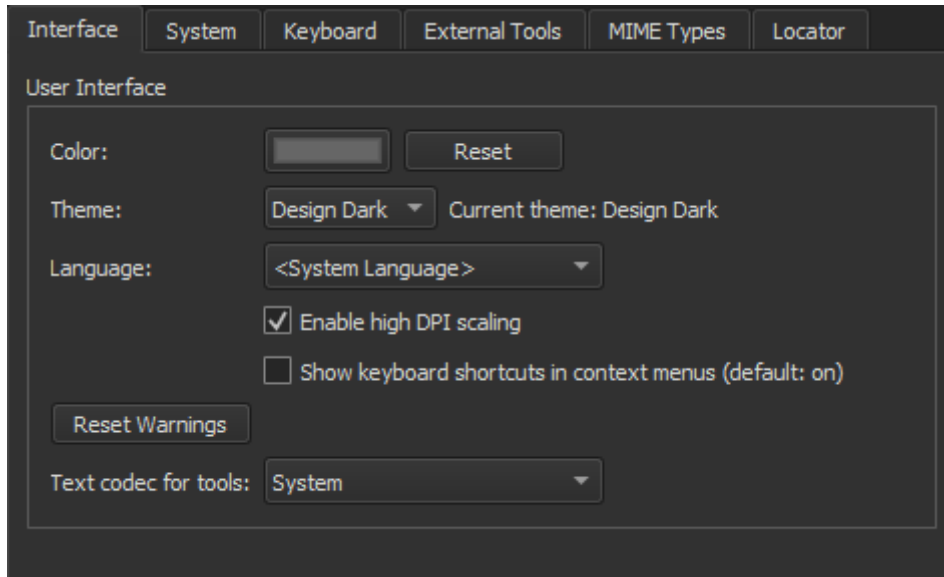
You can view output in the following ways:

- > Select the output view on the taskbar.
- > Select **Alt** (**Cmd** on macOS) and the number of the view on the taskbar.
- > Select , and then select the view to open.
- > Select **View > Output**. The menu items also display the keyboard shortcuts that you can use.

To maximize an open output view, select the  (**Maximize**) button or press **Alt+Shift+9**.


To open the **General Messages** and **Version Control** views, select **View > Output**. To view **To-Do Entries**, enable the **Todo** plugin. For more information about the **QML Debugger Console** view, see [Executing JavaScript Expressions](#).

If the text in the output is not displayed correctly, Qt Creator might be using a different codec from the one used by the tools that generate the output. To specify the codec to use, select **Edit > Preferences > Environment > Interface**, and then select the codec in the **Text codec for tools** field.



## Finding and Filtering Output

To search from output, press **Ctrl+F** when the view is active. Enter search criteria in the **Find** field. For more information, see [Finding and Replacing](#).


Besides searching from the output, you can enter a string in the **Filter** field to filter it. To specify filtering options, select the  button. You can filter output by using regular expressions or case-sensitivity. Select **Show Non-matching Lines** to hide the lines that match the filter.

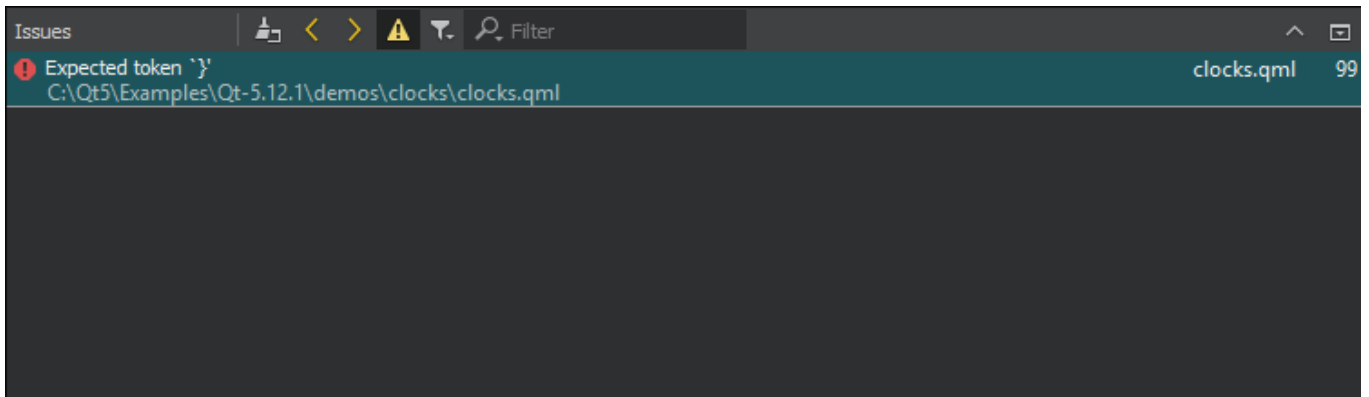
Finding and filtering are not supported in all output views.

## Issues

**Issues** provides lists of following types of issues:

- › **Autotests** - Errors and warnings encountered while running tests.
- › **Build System** - Errors and warnings encountered during a build.
- › **Clang Code Model** - [Errors and warnings from the current editor](#).
- › **Compile** - Selected output from the compiler. Open **Compile Output** for more detailed information.
- › **Debug Information** - Lists debug information packages that might be missing.
- › **Debugger** - Errors encountered while running the [Valgrind code analysis tools](#).
- › **Debugger Runtime** - Errors encountered when starting Qt Creator. For example, information about missing DLLs.
- › **Deployment** - Errors encountered between building an application successfully and starting it on a [device](#).
- › **My Tasks** - Entries from a task list file (.tasks) generated by [code scanning and analysis tools](#).

The view filters out irrelevant output from the build tools and presents the issues in an organized way. To further filter the output by type, select  (**Filter Tree**) and then select a filter.



Select one or several lines to apply context-menu actions to their contents. You can remove the selected lines or copy their contents to the clipboard. For single lines, you can search the Internet for a solution using the contents of the line as search criteria or open a version control annotation view of the line that causes the error message.

To navigate to the corresponding source code, click an issue or select **Show in Editor** in the context menu. The entry must contain the name of the file where the issue was found.

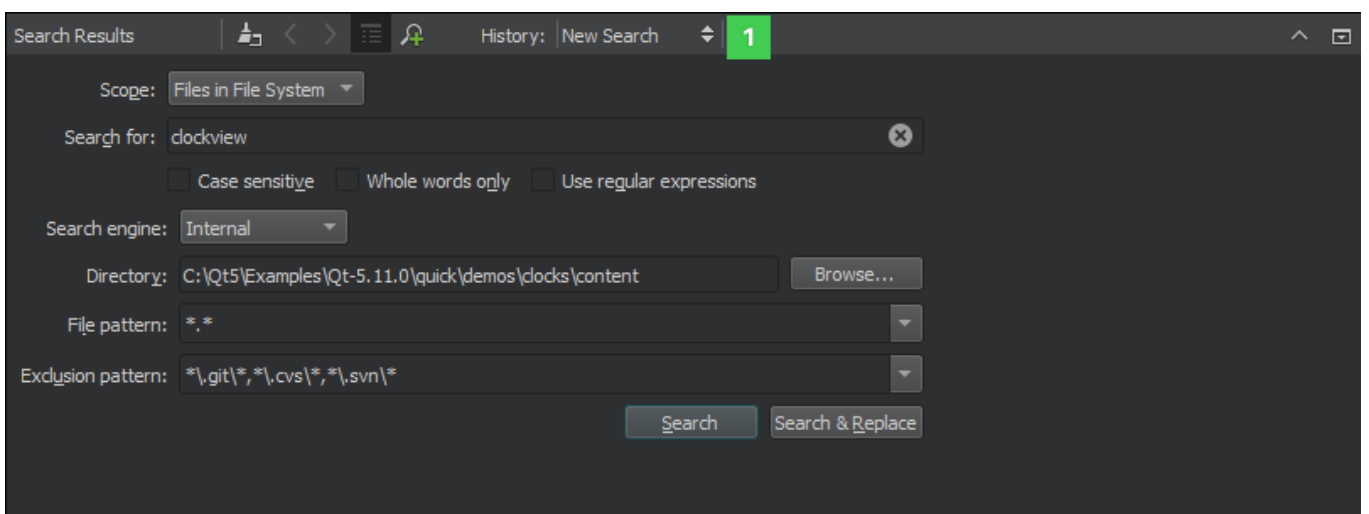
To view more information about an issue in **Compile Output**, select **Show Output** in the context menu.

To jump from one issue to the next or previous one, press **F6** and **Shift+F6**.

By default, the **Issues** view is cleared on a new build. To keep the issues from the previous build rounds, deselect **Edit > Preferences > Build & Run > General > Clear issues list on new build**.

## Search Results

In **Search Results**, you can search through projects, files on a file system or the currently open files:



The search results are stored in the search history (1) from which you can select earlier searches.

The figure below shows an example search result for all occurrences of the search string in the specified directory.

```

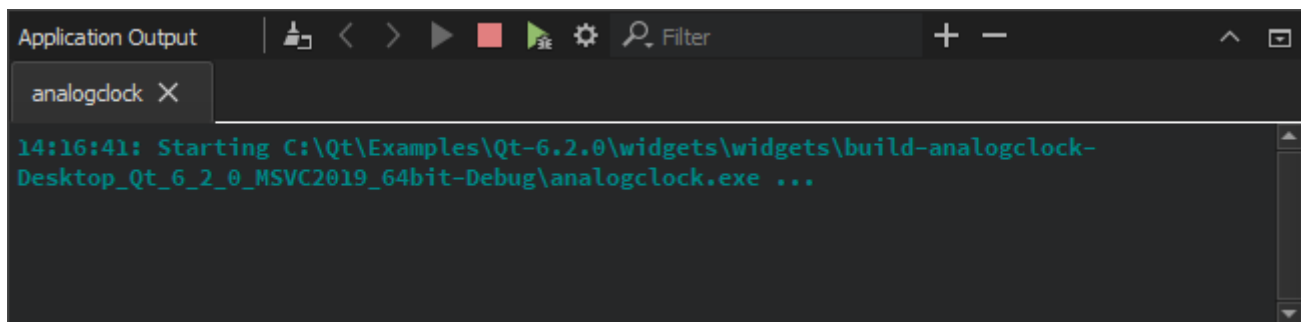
C:\Qt\Examples\Qt-6.2.0\widgets\widgets\analogclock\analogclock.cpp (6)
51 #include "analogclock.h"
58 AnalogClock::AnalogClock(QWidget *parent)
58 AnalogClock::AnalogClock(QWidget *parent)
66     connect(timer, &QTimer::timeout, this, QOverload<>::of(&AnalogClock::update));
71     setWindowTitle(tr("Analog Clock"));
78 void AnalogClock::paintEvent(QPaintEvent *)
▼ C:\Qt\Examples\Qt-6.2.0\widgets\widgets\analogclock\analogclock.h (4)
51 #ifndef ANALOGCLOCK_H
52 #define ANALOGCLOCK_H
57 class AnalogClock : public QWidget
62     AnalogClock(QWidget *parent = nullptr);
► C:\Qt\Examples\Qt-6.2.0\widgets\widgets\analogclock\main.cpp (4)

```

For more information about the different search options, see [Finding and Replacing](#).


## Application Output

**Application Output** displays the status of a program when it is executed, and the debug output.



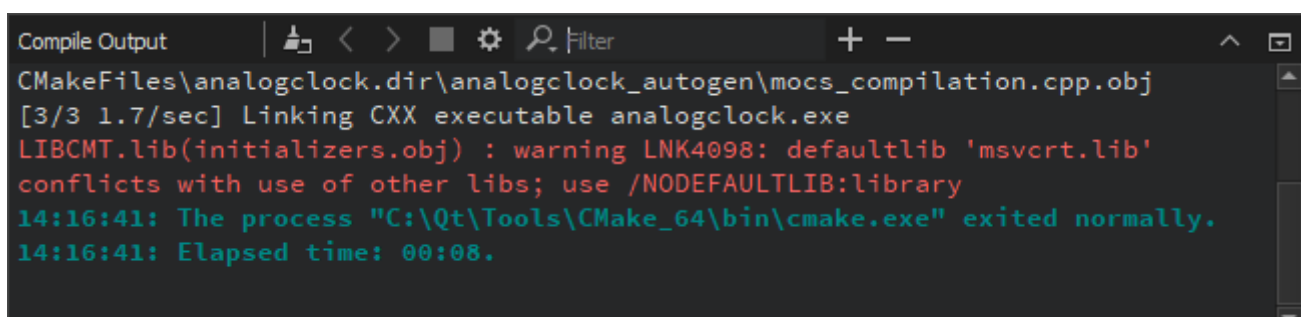
If you specify command line arguments in the run settings that are passed to the application when running it, they are displayed as a part of the application output. For more information, see [Specifying Run Settings for Desktop Device Types](#). Select toolbar buttons to run applications, to attach the debugger to the running application, and to stop running or debugging.

To specify settings for displaying application output, select **Edit > Preferences > Build & Run > Application Output**,

or click the  (**Open Settings Page**) button. You can select whether to open **Application Output** on output when running or debugging applications, to clear old output on a new run, to word-wrap output, and to limit output to the specified number of lines.

## Compile Output

**Compile Output** provides all output from the compiler. The **Compile Output** is a more detailed version of information displayed in [Issues](#).



Select the **Cancel Build** button to cancel the build.

To specify whether to open the **Compile Output** view on output when building applications, select **Edit > Preferences > Build & Run > Compile Output**, and then select the **Open Compile Output when building** check box. In the **Limit output to** field, you can specify the maximum amount of build output lines to display.

You can also open the preferences page by clicking  (**Open Settings Page**).

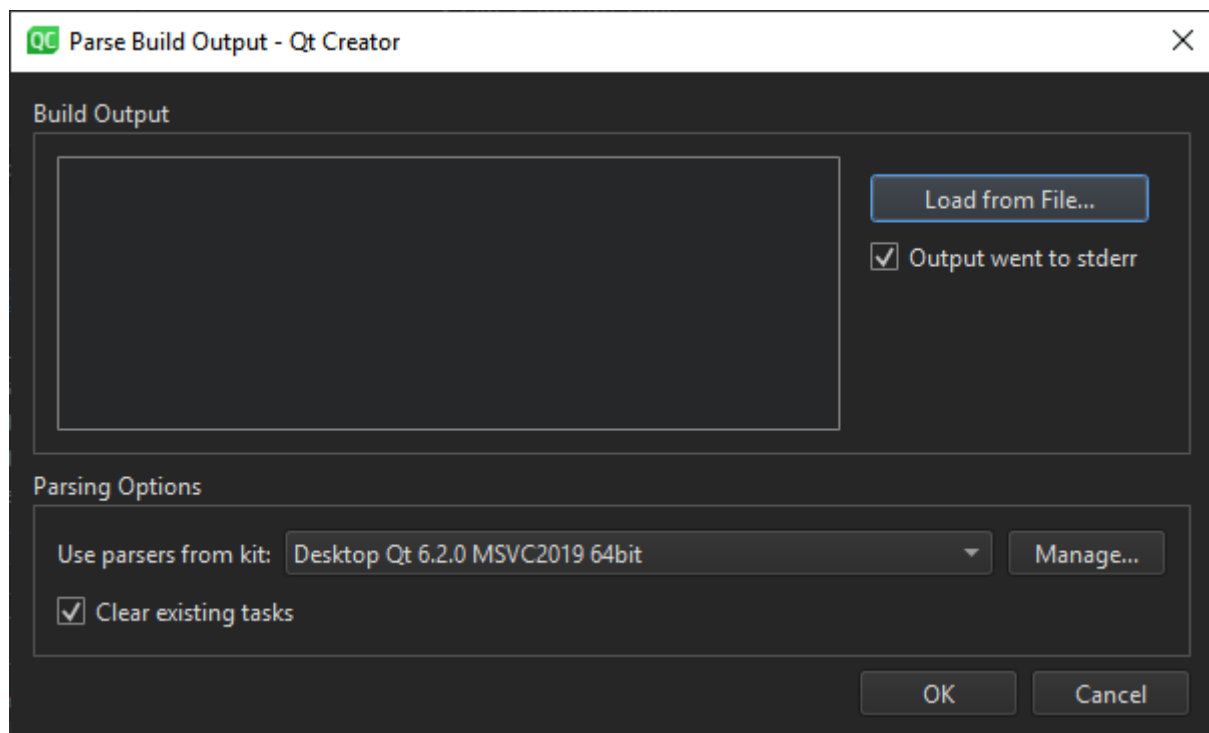
To copy the output to the clipboard, select **Select All** in the context menu, and then select **Copy**. Save the output as a file if you want to examine it later without having to build the project again. This is useful for large projects that take a long time to build.

## Parsing Existing Compile Output

You can use Qt Creator's output parsers to parse output from builds done outside of Qt Creator or stored from previous build runs. By default, the parsers from the kit selected for the active project are used, but you can select another kit.

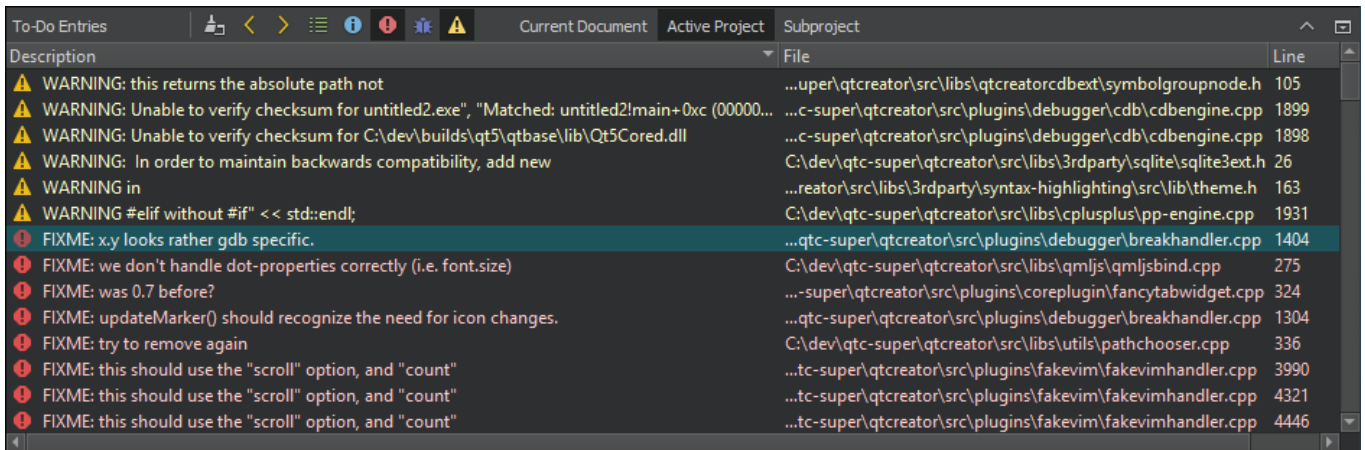
To parse compile output:

1. Select **Tools > Parse Build Output**.

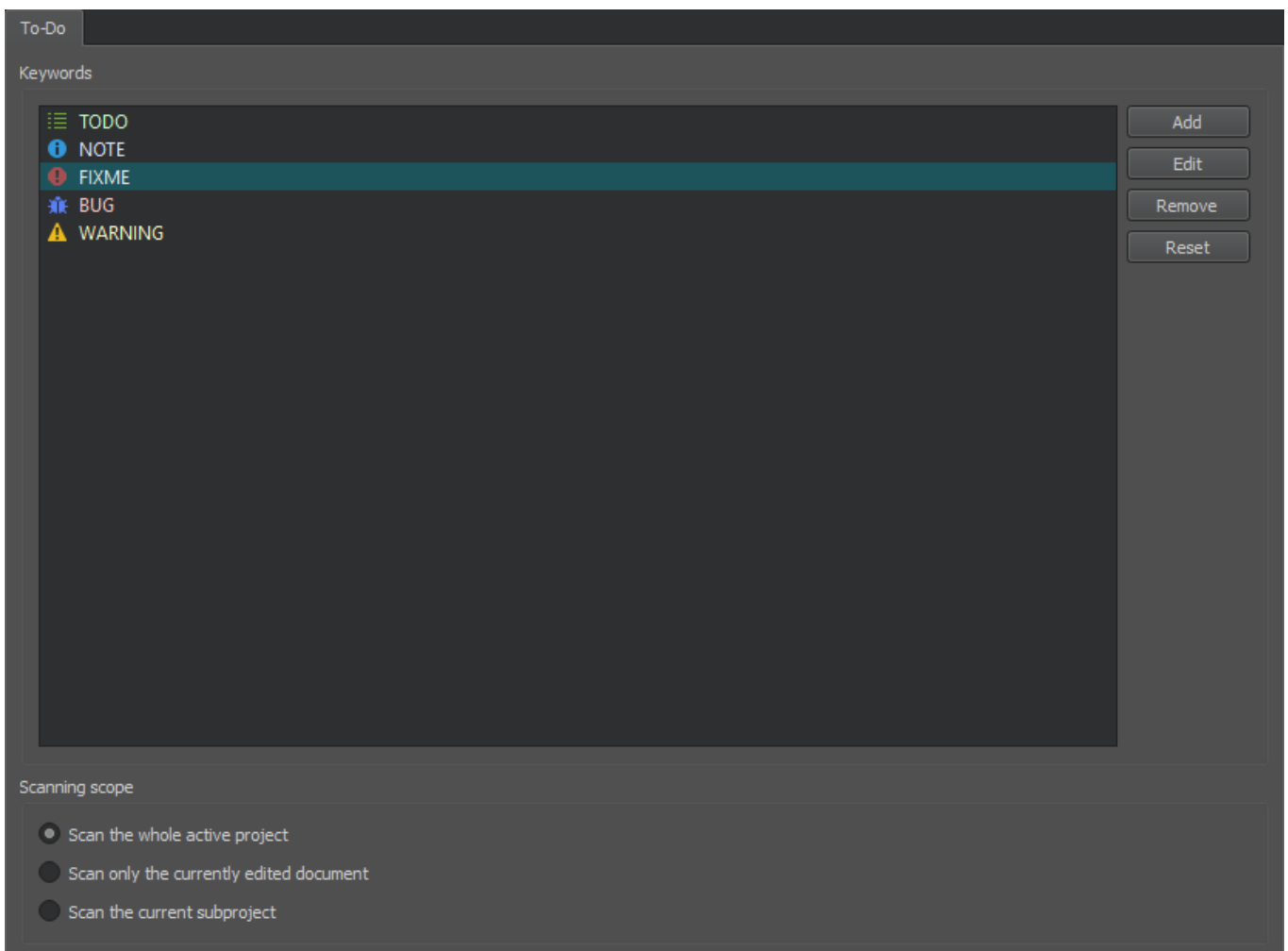


2. Paste the build output in the **Build Output** field, or select **Load from File** to load it from a file.
3. Deselect the **Output went to stderr** check box if the parser expects issues on `stdout`.
4. In the **Use parsers from kit** field, select the kit to use for parsing the output. Select **Manage** to view and modify kit settings.
5. The parser displays the parsed output in **Issues**. By default, the view is cleared before adding the new output. Deselect the **Clear existing tasks** check box to append the new output to the old output.
6. Select **OK** to start parsing.

## To-Do Entries



To add keywords, select **Edit > Preferences > To-Do > Add**. Set an icon and a line background color for the keyword.



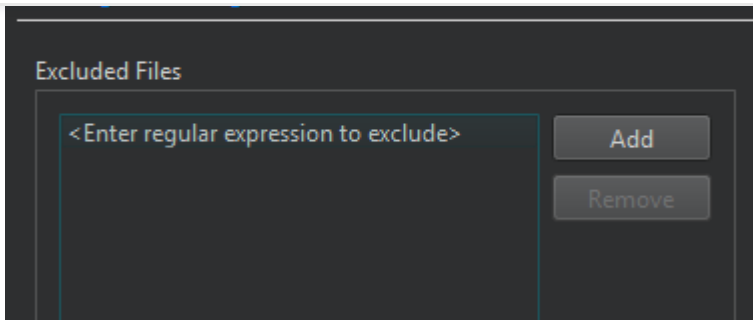
To change the icon and line background color of the selected keyword, select **Edit**.

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

To reset the list to predefined keywords, select **Reset**. All your changes will be permanently lost.

To determine whether the keywords in the whole project, in the current file, or in a subproject are displayed by default, select the appropriate option in the **Scanning scope** group.

To exclude files from scanning, select **Project Settings > To-Do** in the **Projects** mode.



Select **Add** and double-click the placeholder text in **Exclude Files** to enter a regular expression that matches the path to files to exclude. Use a forward slash (/) as a separator in the path also on Windows.

Select the link in **Use global settings** to open global To-Do preferences.

The Todo plugin is disabled by default. To enable the plugin, select **Help > About Plugins > Utilities > Todo**. Then select **Restart Now** to restart Qt Creator and load the plugin.

In addition, you can open task list files generated by code scanning and analysis tools in [Issues](#). For more information, see [Showing Task List Files in Issues](#).

[< Open Documents](#)[Configuring Qt Creator >](#)

© 2022 The Qt Company Ltd. Documentation contributions included herein are the copyrights of their respective owners. The documentation provided herein is licensed under the terms of the [GNU Free Documentation License version 1.3](#) as published by the Free Software Foundation. Qt and respective logos are trademarks of The Qt Company Ltd in Finland and/or other countries worldwide. All other trademarks are property of their respective owners.

[Contact Us](#)

## Company

[About Us](#)  
[Investors](#)  
[Newsroom](#)  
[Careers](#)  
[Office Locations](#)

## Support

[Support Services](#)  
[Professional Services](#)

## Licensing

[Terms & Conditions](#)  
[Open Source](#)  
[FAQ](#)

## For Customers

[Support Center](#)  
[Downloads](#)



Customer Success

Community

- Contribute to Qt
- Forum
- Wiki
- Downloads
- Marketplace

© 2022 The Qt Company

[Feedback](#) [Sign In](#)