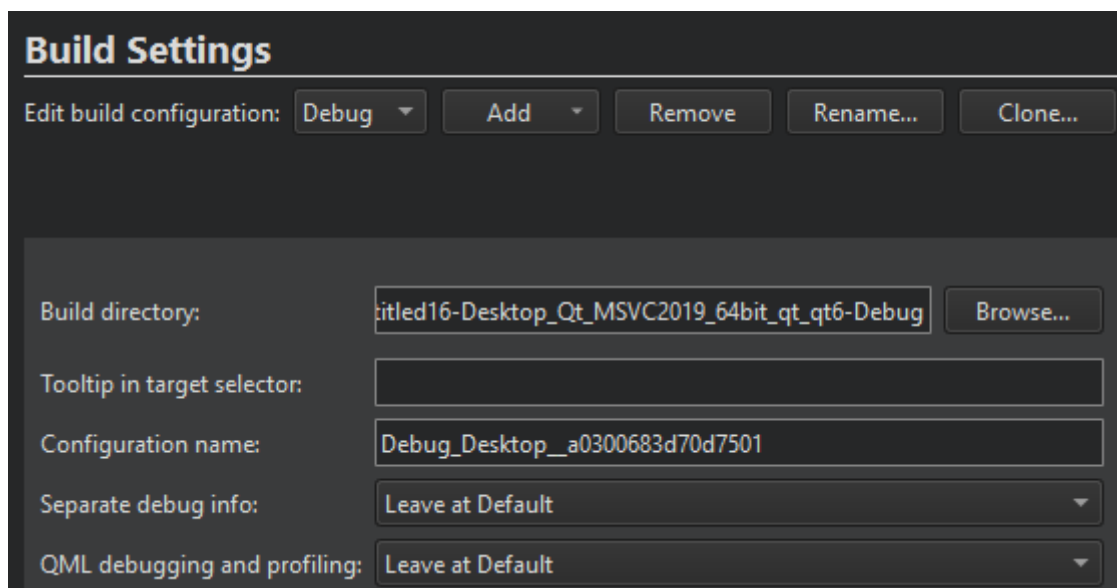


# Qbs Build Configuration



The screenshot shows the 'Build Settings' dialog for Qbs. At the top, it says 'Edit build configuration: Debug' with buttons for 'Add', 'Remove', 'Rename...', and 'Clone...'. Below this, there are several fields: 'Build directory:' with a text box containing 'titled16-Desktop\_Qt\_MSVC2019\_64bit\_qt\_qt6-Debug' and a 'Browse...' button; 'Tooltip in target selector:' with an empty text box; 'Configuration name:' with a text box containing 'Debug\_Desktop\_a0300683d70d7501'; 'Separate debug info:' with a dropdown menu set to 'Leave at Default'; and 'QML debugging and profiling:' with a dropdown menu set to 'Leave at Default'.

Qbs builds projects in the directory specified in the **Build Directory** field.

In the **Tooltip in target selector** field, you can enter text that is displayed as a tooltip when you hover the mouse over the build configuration in the [kit selector](#).

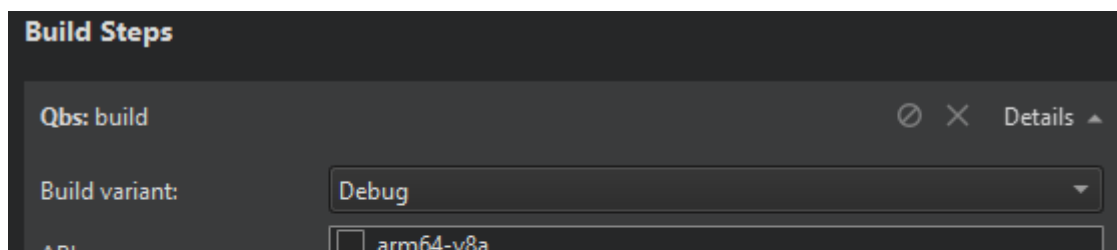
You can enter a name for the build configuration in the **Configuration name** field.

If debug info is being generated, you can have it placed into separate files, rather than embedded into the binary, by selecting **Enable** in the **Separate debug info** field. For more information, see [Using the Performance Analyzer](#). To use default settings, select **Leave at Default**.

For more information about the QML debugging options, see [Setting Up QML Debugging](#).

For more information about configuring Qbs, see [Setting Up Qbs](#).

## Qbs Build Steps



The screenshot shows the 'Build Steps' dialog for Qbs. It has a title bar 'Qbs: build' with close and details buttons. The 'Build variant:' dropdown is set to 'Debug'. Below it, there is a checkbox for 'ABI:' which is unchecked, and a text box containing 'arm64-v8a'.

Parallel jobs: 8

Properties:

Flags: ☐ Keep going ☐ Show command lines ☐ Force probes

Installation flags: ☒ Install ☐ Clean install root ☒ Use default location

Installation directory: %{CurrentBuild:QbsBuildRoot} Browse...

Equivalent command line: C:\Examples\build-untitled16-Desktop\_Qt\_MSVC2019\_64bit\_qt\_qt6-Debug -f C:\Examples\untitled16\untitled16.qbs --settings-dir C:\Users\rimietti\AppData\Roaming\QtProject\qtcreator --jobs 8 config:Debug\_Desktop\_a0300683d70d7501

Add Build Step

To specify build steps for Qbs:

1. In the **Build variant** field, select **Debug** to include debug symbols in the build for debugging the application and **Release** to create the final installation file.
2. In the **ABIs** field, select the ABIs for the **Android** device architectures to build the project for.
3. In the **Parallel jobs** field, specify the number of parallel jobs to use for building.
4. In the **Properties** field, specify the properties to pass to the project. Use colons (:) to separate keys from values. For more information, see [Modules](#) in the Qbs Manual.
5. In the **Flags** field:
  - › Select **Keep going** to continue building when errors occur, if possible.
  - › Select **Show command lines** to print actual command lines to **Compile Output** instead of high-level descriptions.
  - › Select **Force probes** to force re-execution of the configure scripts of **Probes**.
6. In the **Installation flags** field:
  - › Select **Install** to copy artifacts to their install location after building them. This option is enabled by default.

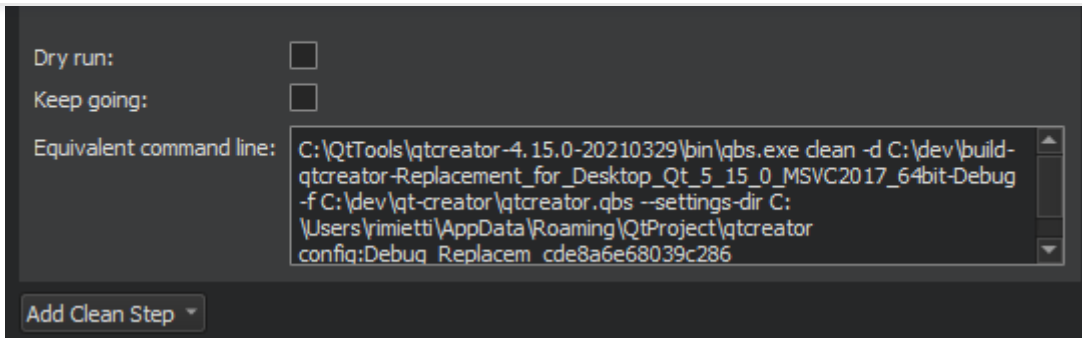
**Note:** On Windows, the build will fail if the application is running because the executable file cannot be overwritten. To avoid this issue, you can deselect this check box and add a **Qbs Install** deployment step in the run settings that will be performed just before running the application.

- › Select **Clean install root** to remove the contents of the install root directory before the build starts.
- › Select **Use default location** to install the artifacts to the default location. Deselect the check box to specify another location in the **Installation directory** field.

The **Equivalent command line** field displays the build command that is constructed based on the selected options.

## Qbs Clean Steps

When building with Qbs, you can specify flags in **Clean Steps**:



- › Select **Dry run** to test cleaning without executing commands or making permanent changes to the build graph.
- › Select **Keep going** to continue cleaning when errors occur, if possible.

The **Equivalent command line** field displays the clean command that is constructed based on the selected options.

[◀ qmake Build Configuration](#)

[Meson Build Configuration >](#)

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