

Green Hills MPC C++ compiler

Abstract

This document describes how to cope with the Green Hills MPC C++ compiler in conjunction with TESSY.

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1 Introduction

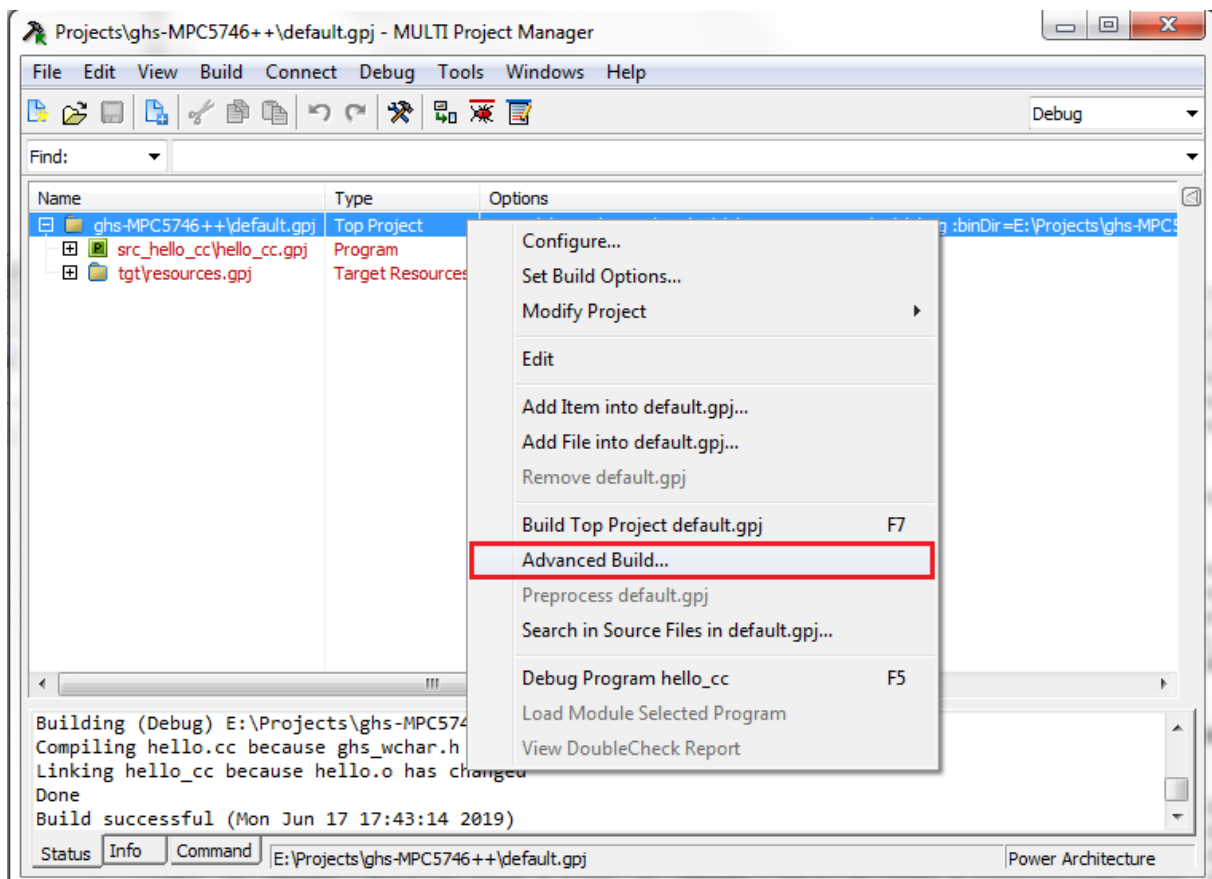
As with all compilers the appropriate command line arguments for the Green Hills MPC C++ compiler are essential to build a working test program for a TESSY unit test. The best way to get the appropriate command line arguments is to

- start the Green Hills MULTI IDE,
- create a simple default project for your type of processor,
- turn on the “Show tool commands” feature,
- and compile the project within the Green Hills MULTI IDE.

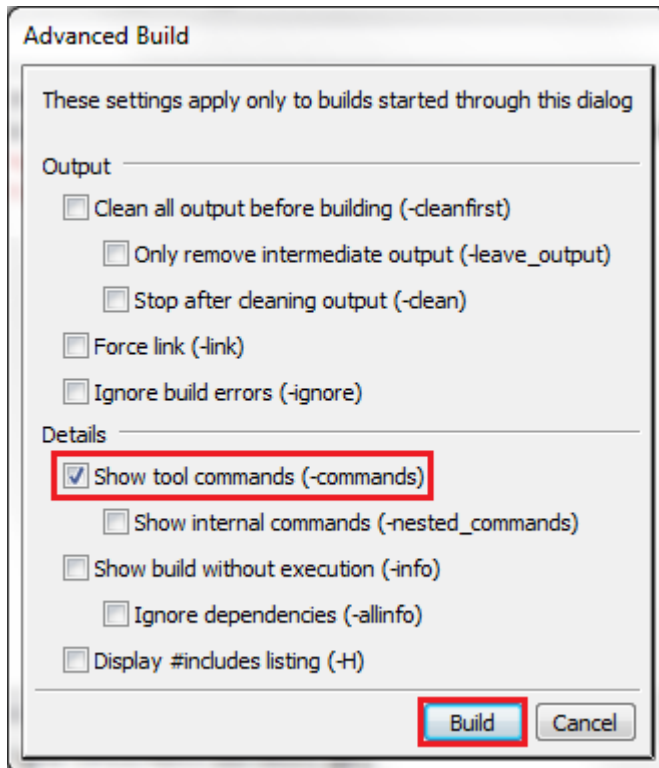
The MULTI will open a separate window called **Build Details** and display the desired command line arguments which you will use for your TESSY makefile template as well.

2 Setting up the makefile template

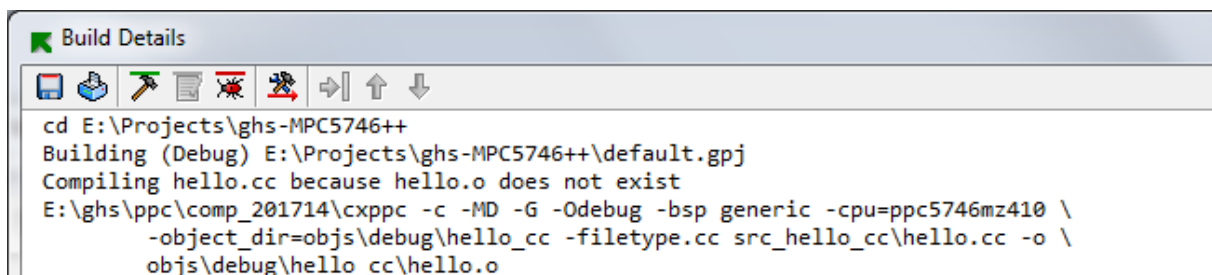
At first you will have to get the appropriate compiler command line arguments. In our example we use the Green Hills MULTI IDE. If your developers use a different IDE you may ask them for the appropriate arguments. An easy way to determine the compiler command line arguments for your processor is to start MULTI and create a default project for the type of your processor. Launch the MULTI Project Manager and open the context menu.



Select **Advanced Build...** to open the **Advanced Build** dialog. Enable option **Show tool commands (-command)** and click **Build**.



Copy the compiler command line arguments from the **Build Details** window.



Now open your TESSY makefile template and add the compiler command line arguments to the makefile variable **S_COMP_OPTIONS**. Please do not change or remove the defines or debug arguments which have set by default in this makefile variable.

3 Enabling/disabling exceptions

TEE attribute **Enable Exceptions** is used to enable or disable exception handling. Furthermore you have to add to or remove argument **--exceptions** from the command line of the preprocessor call which is done in attribute **Preprocessor Call**. By default exception handling is enabled and the argument for the preprocessor call is set.