

# Umans with Gui QT Installation

0) Cmake and Visual Studio must be installed beforehand

1) Install Qt 5.15.2 with the following specifications:

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InformationCategories

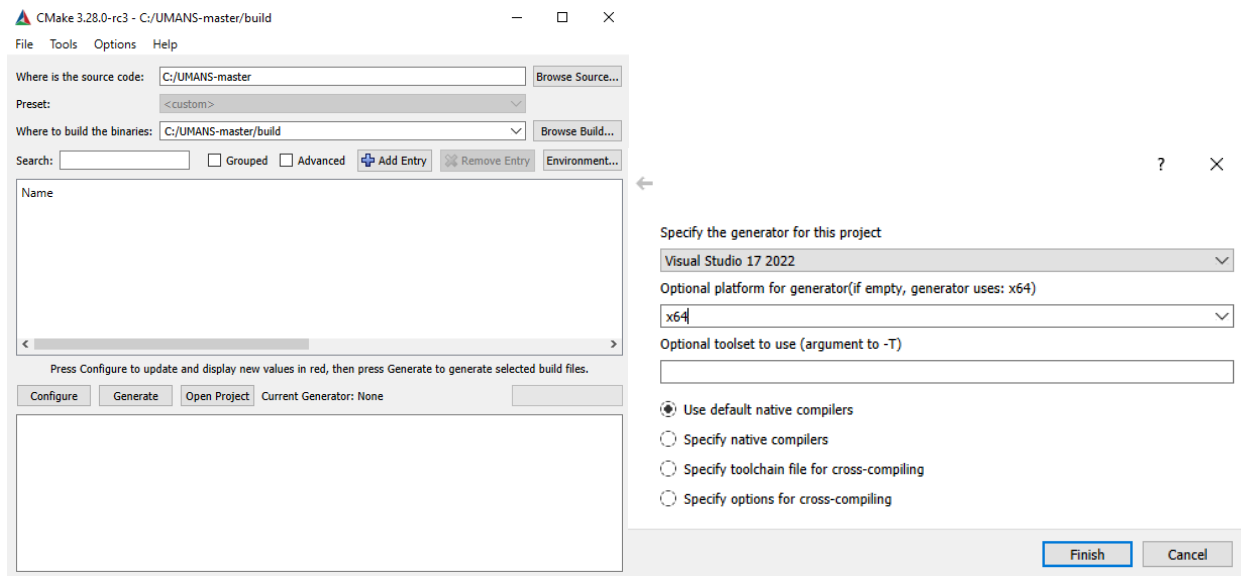
Component Name	Installed Version	New Version	Release Date
▼ Preview		1.0.1	2020-11-12
▶ <input type="checkbox"/> Qt 6.7.0 Snapshot from 'dev'		6.7.0-0-202310031040	2023-10-03
<input type="checkbox"/> Qt Creator 12.0.0-beta2		12.0.0-0-202310260957	2023-10-26
<input type="checkbox"/> Qt Creator 12.0.0-beta2 CDB Debugger Support		12.0.0-0-202310260957	2023-10-26
<input type="checkbox"/> Qt Creator 12.0.0-beta2 Debug Symbols		12.0.0-0-202310260957	2023-10-26
<input type="checkbox"/> Qt Creator 12.0.0-beta2 Plugin Development		12.0.0-0-202310260957	2023-10-26
▼ Qt Design Studio	1.0.0-0	1.0.0-0	2023-10-11
<input checked="" type="checkbox"/> Qt Design Studio 4.3.1	4.3.1-0-20231011...	4.3.1-0-202310111239	2023-10-11
<input type="checkbox"/> Qt Design Studio 4.1.0 LTS		4.1.0-0-202306291837	2023-06-29
<input type="checkbox"/> Qt Design Studio 4.4.0-snapshot (2023-10-23)		4.4.0-0-202310231900	2023-10-23
▼ Qt	1.0.18	1.0.18	2023-01-11
▶ <input checked="" type="checkbox"/> Qt 6.6.0		6.6.0-0-202310040911	2023-10-04
▶ <input type="checkbox"/> Qt 6.5.3		6.5.3-0-202309260341	2023-09-26
▶ <input type="checkbox"/> Qt 6.4.3		6.4.3-0-202303121118	2023-03-12
▶ <input type="checkbox"/> Qt 6.3.2		6.3.2-0-202209072037	2022-09-07
▶ <input type="checkbox"/> Qt 6.2.4		6.2.4-0-202203141106	2022-03-14
▶ <input checked="" type="checkbox"/> Qt 5.15.2	5.15.2-0-2020111...	5.15.2-0-202011130724	2020-11-13
▼ <input checked="" type="checkbox"/> Developer and Designer Tools	1.2.0-0-20230111...	1.2.0-0-202301110548	2023-01-11
<input checked="" type="checkbox"/> Qt Creator 11.0.3	11.0.3-0-2023092...	11.0.3-0-202309270950	2023-09-27
<input checked="" type="checkbox"/> Qt Creator 11.0.3 CDB Debugger Support	11.0.3-0-2023092...	11.0.3-0-202309270950	2023-09-27
<input checked="" type="checkbox"/> Debugging Tools for Windows	2019-11-07-0-20...	2019-11-07-0-20230...	2023-09-27
<input type="checkbox"/> Qt Creator 11.0.3 Debug Symbols		11.0.3-0-202309270950	2023-09-27
<input checked="" type="checkbox"/> Qt Creator 11.0.3 Plugin Development	11.0.3-0-2023092...	11.0.3-0-202309270950	2023-09-27
<input checked="" type="checkbox"/> MinGW 11.2.0 64-bit	9.0.0-1-20220322...	9.0.0-1-202203221220	2022-03-22
<input type="checkbox"/> MinGW 8.1.0 32-bit	8.1.0-1-20200417...	8.1.0-1-202004170606	2020-04-17
<input checked="" type="checkbox"/> MinGW 8.1.0 64-bit	8.1.0-1-20200417...	8.1.0-1-202004170606	2020-04-17
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<input type="checkbox"/> MinGW 5.3.0 32-bit		5.3.0-2	2017-04-27
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<input type="checkbox"/> MinGW 4.9.1 32-bit		4.9.1-3	2016-05-31
<input type="checkbox"/> MinGW 4.8.2 32-bit		4.8.2	2014-05-08
<input type="checkbox"/> MinGW 4.8 32-bit		4.8.0-1-1	2013-07-01
<input type="checkbox"/> MinGW 4.7 32-bit		4.7.2-1-1	2013-07-01
<input type="checkbox"/> Qt Installer Framework 4.6		4.6.1-0-202308291018	2023-08-29
<input checked="" type="checkbox"/> CMake 3.24.2	3.24.2-20221026...	3.24.2-202210260924	2022-10-26
<input checked="" type="checkbox"/> Ninja 1.10.2	1.10.2-20210806...	1.10.2-202108061017	2021-08-06
▶ <input type="checkbox"/> OpenSSL 3.0.11 Toolkit		3.0.11-1	2023-09-20
Qt Maintenance Tool	4.6.1-0-20230823...	4.6.1-0-202308231236	2023-08-23

☐ Archive  
☒ Latest supported releases  
☒ Preview  

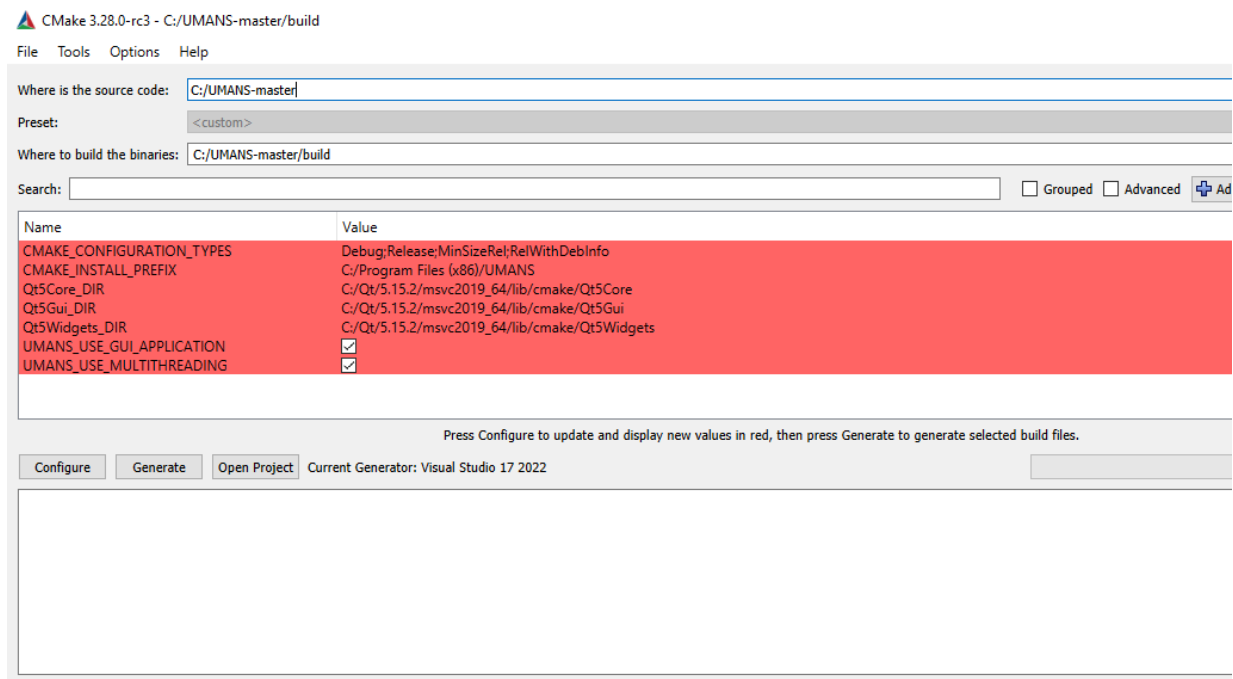
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(QT 6.6 may not be needed, as we will be using 5.12.2, but it may be useful in the future to change to the newest version. Also, it should be enough with MinGW 11.2 for 64 bits, but it has not been tested)

- 2) Once installed, open Cmake, create a folder to generate the project, and select the path with the CMakeList as the source code folder. Click the configure button and choose the Visual Studio Version previously installed as the generator for the project, as well as x64 for the platform:



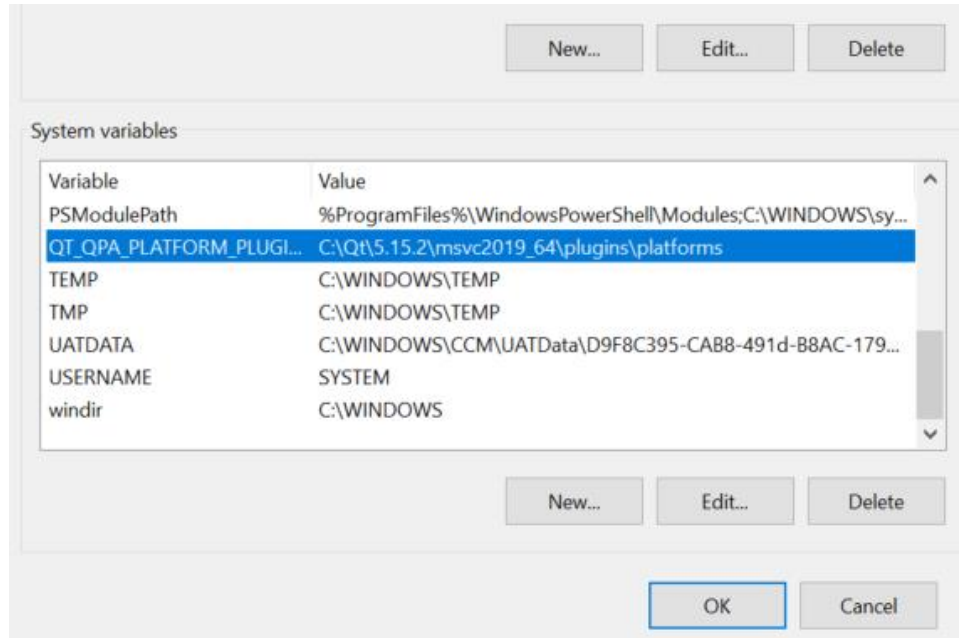
Configure the different paths not found by QT specifying the Qt 5.12 msvc2019\_64 directory for each module, as follows:



(Example of the directories of the specific modules)

3) Once the configuration is done, generate the project.

4) Set a new **system** environmental variable with the following name and value:



Variable: QT\_QPA\_PLATFORM\_PLUGIN\_PATH

Value (the path to platform plugins in the Qt 5.12 Msvc2019\_64 folder):

C:\Qt\5.15.2\msvc2019\_64\plugins\platforms

5) Open the VS solution or project generated by CMake in the folder previously created and build it

6) A new Debug or Release folder must appear inside your directory, containing the UMANS-GUI.exe