

Building AwesomeBump v3.0 from source

Krzysztof Kolasiński 2015

March 23, 2015

Abstract

This article is about how to build **AwesomeBump** since 3.0 version from the source code. The process of building described below was done for windows platform but it will be almost the same for other systems: Linux or OSX.

Step 1. Open the **github** project page: <https://github.com/kmkolasinski/AwesomeBump>

The screenshot shows the GitHub repository page for 'AwesomeBump'. At the top, there are links for 'Explore', 'Gist', 'Blog', and 'Help'. On the right, there are buttons for 'Unwatch', 'Star', 'Fork', and a clone URL. Below the header, there's a summary of the repository: 71 commits, 2 branches, 8 releases, and 4 contributors. A red circle highlights the '8 releases' link. The main content area shows a list of recent commits, including one from 'kmkolasinski' authoring the 'AwesomeBump 3.0 beta version'. Below the commit list, there's a preview of the software interface showing a checkered sphere. On the right side, there are links for 'Code', 'Issues', 'Pull requests', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. At the bottom, there are buttons for 'Clone in Desktop' and 'Download ZIP'.

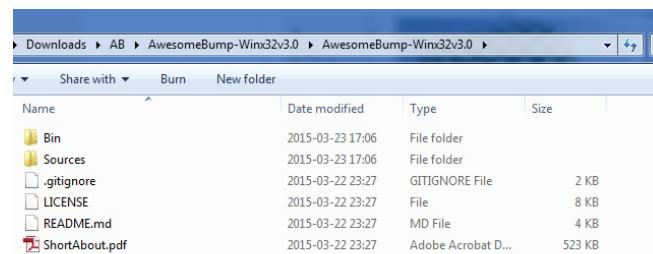
Step 2. Go to the releases page: <https://github.com/kmkolasinski/AwesomeBump/releases>

The screenshot shows the GitHub releases page for 'AwesomeBump'. At the top, there are links for 'Explore', 'Gist', 'Blog', and 'Help'. On the right, there are buttons for 'Unwatch', 'Star', 'Fork', and a clone URL. Below the header, there's a summary of the repository: 71 commits, 2 branches, 8 releases, and 4 contributors. A red circle highlights the '8 releases' link. The main content area shows a list of releases, including 'AwesomeBump 3.0 beta version' and 'version 3.0 logo image'. Below the release list, there's a preview of the software interface showing a checkered sphere. On the right side, there are links for 'Code', 'Issues', 'Pull requests', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. At the bottom, there are buttons for 'Clone in Desktop' and 'Download ZIP'.

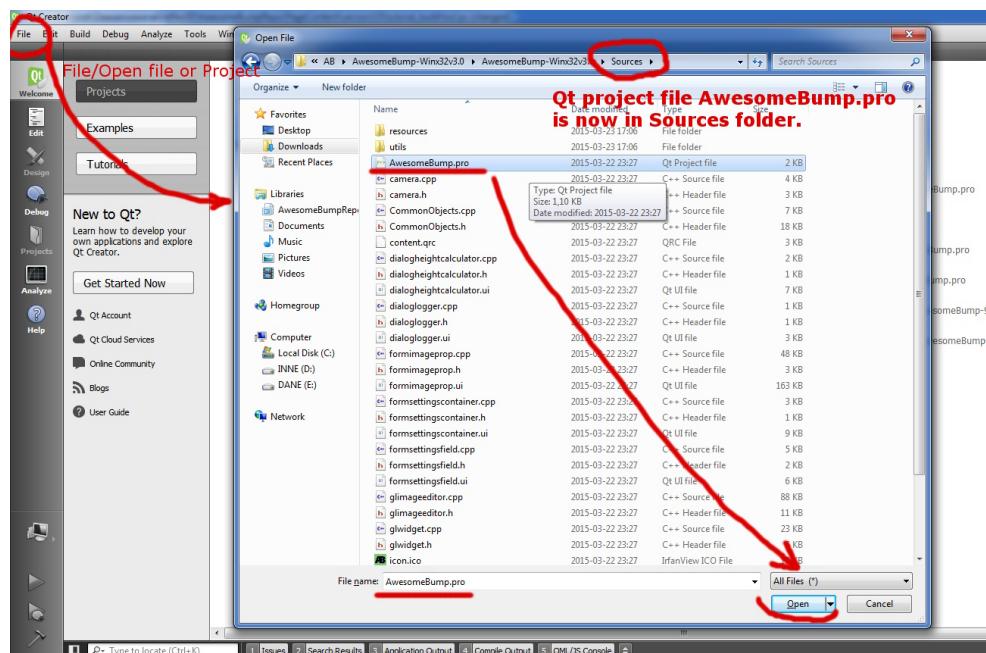
Step 3. Choose proper repository and source code (this instruction does not describe the building process for AB versions lower than 3.0). Click link to download and unpack.

The screenshot shows two GitHub release pages. The top one is for 'AwesomeBumpv3.0 for Win7/8 x32' and the bottom one is for 'AwesomeBumpv2.1 for Linux x64 (Ubuntu/Mint)'. Both pages have a 'Downloads' section. In the Windows release's 'Downloads' section, there are two links: 'AwesomeBumpV3.0Bin32x64Win7.zip' and 'Source code (zip)'. The 'Source code (zip)' link is highlighted with a red box.

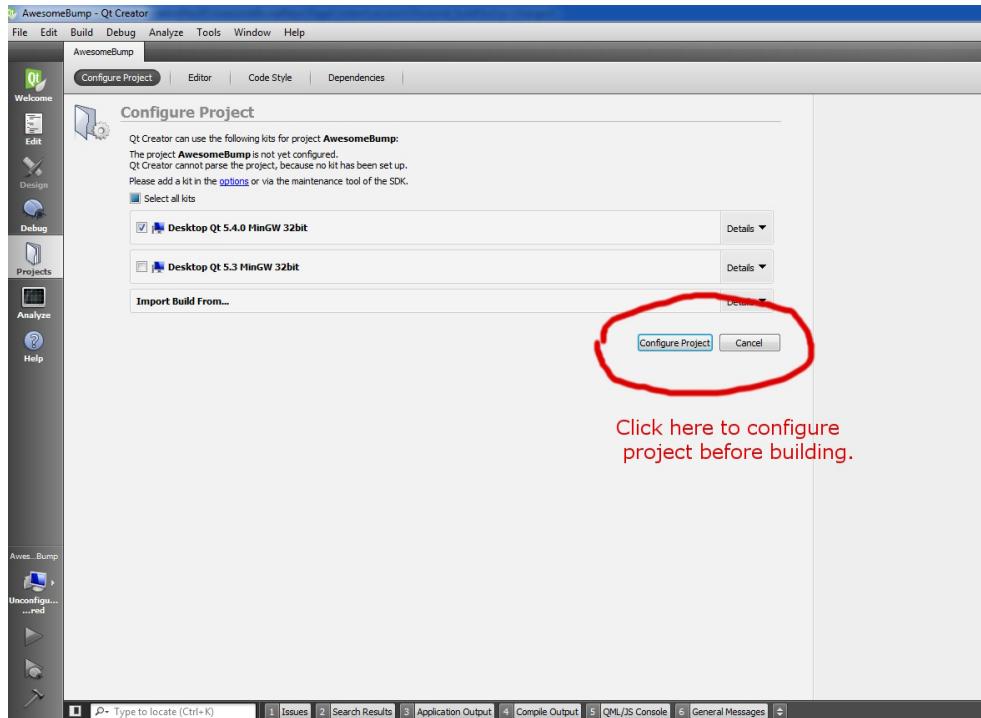
Step 4. This is how the AB main folder should look like after unpacking:



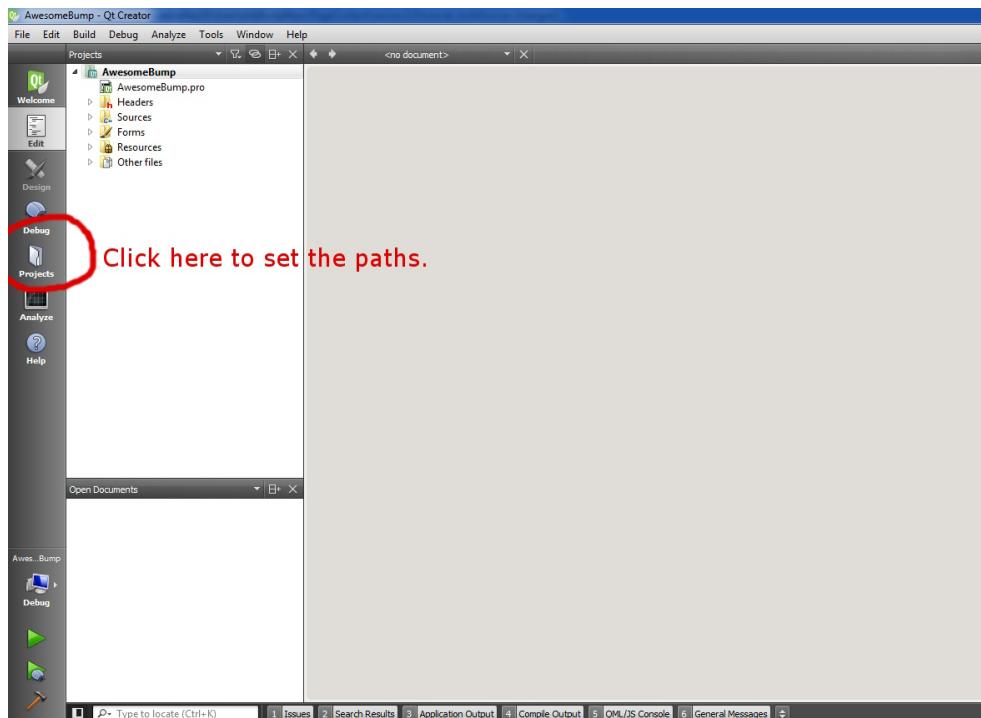
Step 5. Open Qt Creator and choose “File/Open file or Project” or Ctrl+O. Navigate to the unpacked AB source codes. Find AwesomeBump.pro file in Sources folder and Click open.



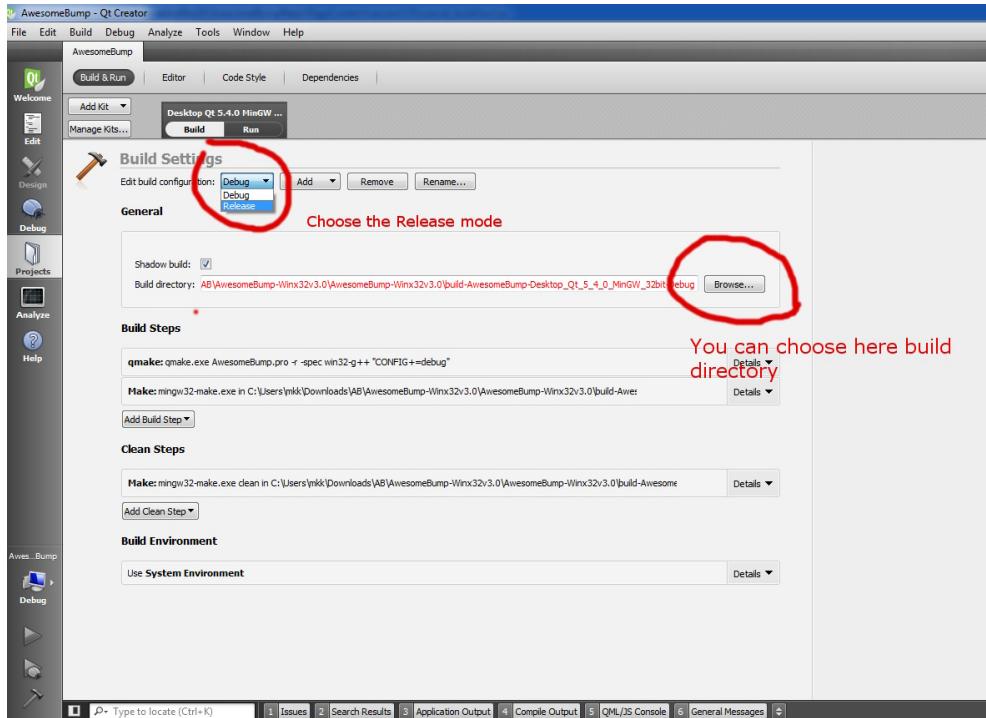
Step 6. Configure project. On windows systems it will probably look like this. Note that there are two versions of MinGW libraries (if you have different compiler e.g on linux (GCC) or OSX (I have not idea what) it should also work for you).



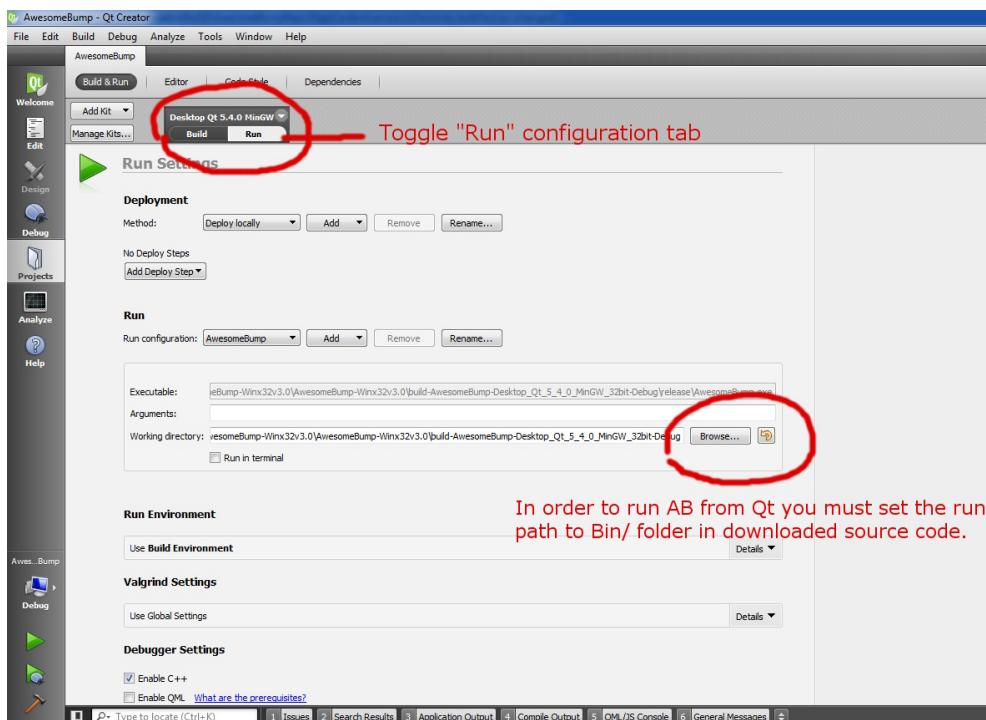
Step 7. Click on the project settings path to configure build and run paths.



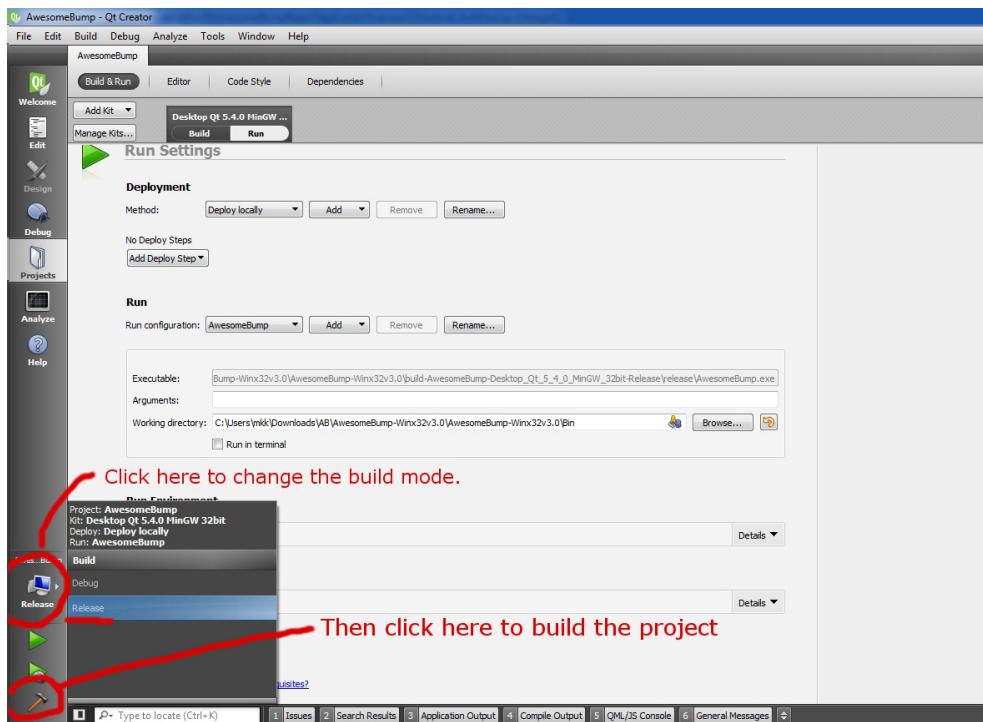
Step 8. Switch to the **release** mode and choose the **build path** it can be any.



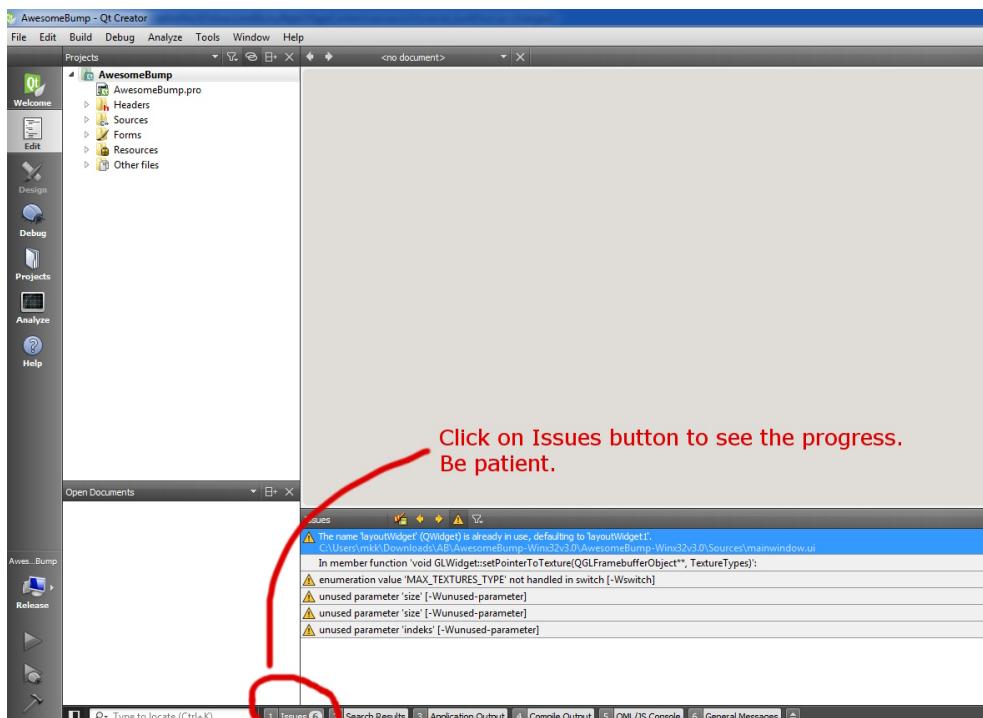
Step 8 B. If you want to run the program from Qt Creator you must set the proper “run path”. Go to the Run tab (see figure), and set the “Working directory” to the Bin/ folder location.



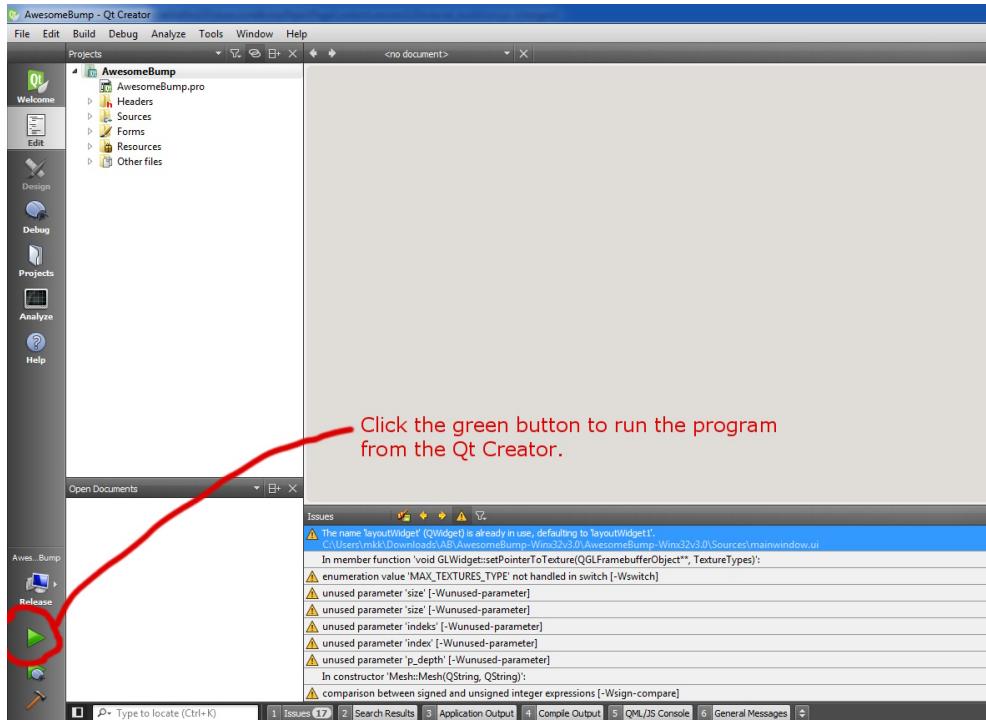
Step 9. Change the build mode to “Release”, wait a while and build the project using “hammer button”.



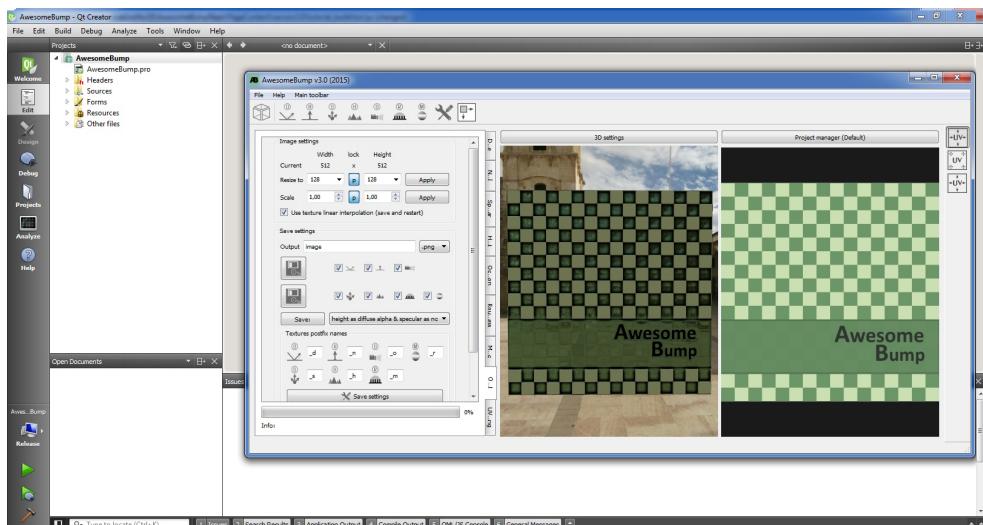
Step 10. If you are building AB on windows system you have time to make a coffee. You can see the progress of building by clicking on the **Issues** button.



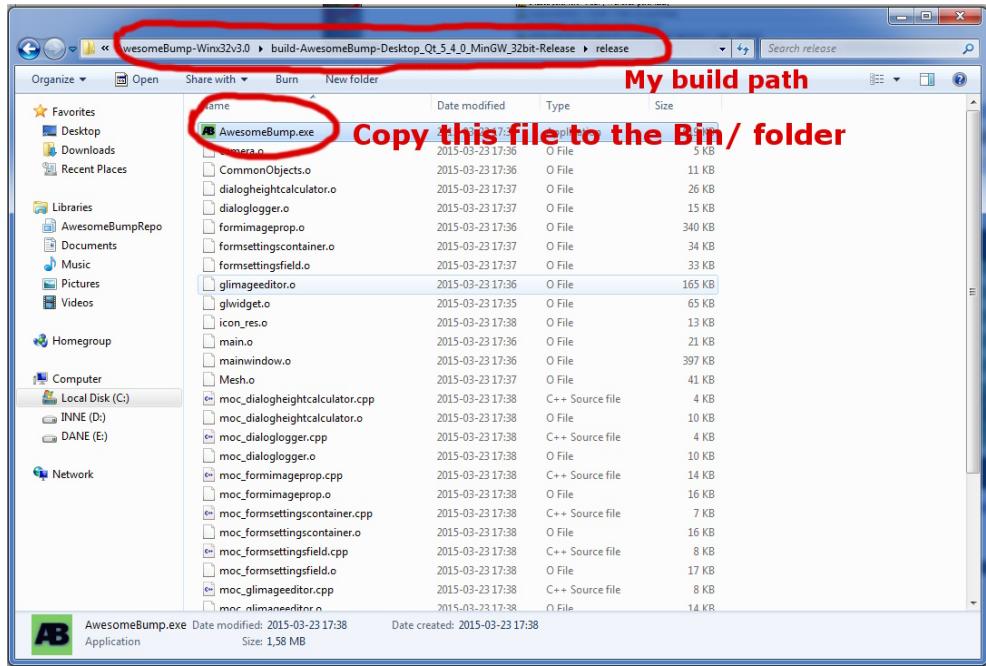
Step 11. Run program from Qt Creator using the green arrow. If all the steps were done properly you should be able to start the program without problems.



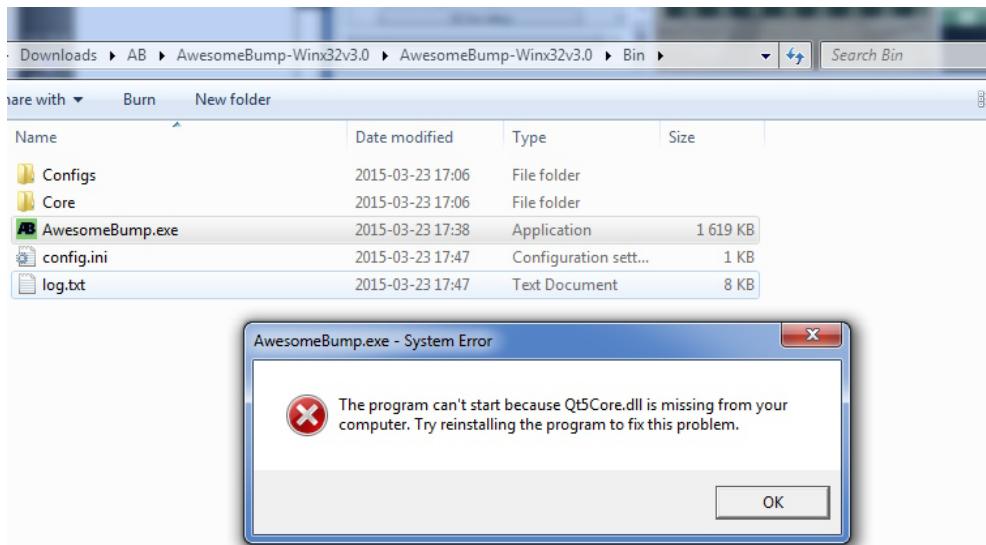
Step 12. Test the program :)



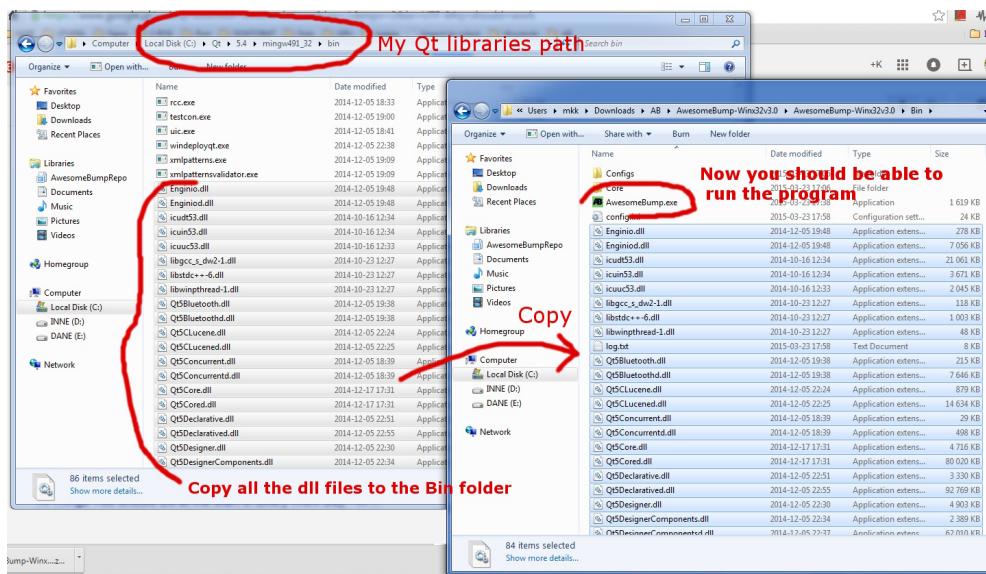
Step 13. Copy the builded program (**AwesomeBump.exe**) to the **Bin** folder. You can find exe file in the build location you set in step 8. See example screen of the folder structure.



Step 14. Paste copied exe file to Bin folder then try to run it you will see following error. This basically means that program needs additional libraries to run. The simplest solution is to copy **all Qt libraries** to this folder.



Step 15. Navigate to the Qt installation location (In my case C:/Qt/... see the example screen) and copy all the dll files to the **Bin/** folder. Actually, you don't have to copy all the dll files but only selected ones. To see which libraries you need to run the program you can download AB binaries from github and compare files.



Step 16. Copy additional libraries to Bin/ folder (see image below). Now you can make a shortcut to the .exe file and run it from the Desktop. Finito!

