

# Gratin : Windows Release

## How to build and release Gratin on Windows

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# Sommaire

## 1 Installation

- Compiler and CMake
- Gratin and Eigen3
- Qt and QtCreator

## 2 Configuration

- CMake
- Qt
- Gratin

- ① If you already have Microsoft visual studio do nothing here.  
Otherwise, you have to install it or [MinGW](#).
- ② You will now need [CMake](#).  
Get the windows installer in the download section.  
Once again, you just have to install it. No need to launch it.

- 1 Get the latest version of [Gratin](#). It should work with any version after v0.3.
- 2 You will also need to download [Eigen3](#).

You will now need to install [QtCreator](#).  
During the installation, be sure that QtCreator and the latest version of qt are checked.

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- ① To launch QtCreator, go to your Gratin folder. Remove CMakeLists.txt.user if it exists.  
Then right click on CMakeLists.txt and launch it with QtCreator.
- ② If there is no pack, you will need to create one giving the paths to CMake and your compiler.
- ③ When you're at the CMake step, add :  
-DEIGEN3\_INCLUDE\_DIR="path/to/eigen3" in the argument command line.  
Just execute CMake and you're done.

- ① Press Ctrl+5 And be sure that you are compiling in all or release mode, not in debug mode.
- ② Run Gratin. If there is some missing functions, it is possible that your compiler doesn't know them.  
Add them in `src-gratin/misc/extinclude.h` at the end of the file. We already did this for `log2`.  
It is also possible that `dirent.h` is missing in your compiler.  
You can find it online.



All you need to do now is to add some .dll to your release folder :

- icudt53.dll
- icuin53.dll
- icuuc53.dll
- Qt5Core.dll
- Qt5Gui.dll
- Qt5Svg.dll
- Qt5Widgets.dll
- Qt5Xml.dll

They can be found at : Qt/5.4/msvc2013\_64\_opengl/bin

You will also need to add some qt plugins folders :

- imageformats
- platforms

They can be found at : `Qt/5.4/msvc2013_64_opengl/plugins`

You can now execute Gratin by launching gratin.exe. That folder as no dependencies.

Use it anytime, anywhere. Have fun !