If not installed, install Visual Studio **Community** edition from: <https://visualstudio.microsoft.com/vs/community/>A screenshot of a computer

AI-generated content may be incorrect.

Run downloaded executable, on launch you will be prompted to select workload, must select `Desktop development with C++` workload. .NET workload often selected by default, you can uncheck that to save space and speed up the process.A screenshot of a computer

AI-generated content may be incorrect.

Use the same link to install visual studio Code (blue ribbon), if not already installed, this will be used to amend and patch some project files.

Download project file (zipped) from the github page:A screenshot of a computer

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Extract into a clean directory/folder:A screenshot of a computer

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Open folder in Visual Studio ***Code***(blue ribbon):A screenshot of a computer

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Run command terminal as an administrator, navigate to project folder, and install conan using the cmd from the BUILD.md file on OFIQ Project Github:A screenshot of a computer

AI-generated content may be incorrect.   
A screenshot of a computer screen

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Go to VS Code where the project is open. Navigate to the ‘conan’ directory and open the **conan\_profile\_release.txt** file:A screenshot of a computer program

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Add the following immediately under ‘[options]’:   
[conf]  
tools.cmake.cmaketoolchain:generator=Visual Studio 17 2022A screen shot of a computer program

AI-generated content may be incorrect.  
\*\*\*\*SAVE\*\*\*\* CTRL+S -> it’s critical to save after every step going forward

Close this tab, go to the scripts folder, open **build.cmd:**

A screen shot of a computer program

AI-generated content may be incorrect.  
replace the compiler and visual studio version (lines 6 and 7 respectively) with the below versions:  
set set\_compiler=17  
set vs\_version="Visual Studio 17 2022"  
A screenshot of a computer program

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Next, scroll down to the code block initializing the compiler (lines 38-49):A screen shot of a computer program

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Replace with the modified version below:  
IF %set\_compiler%==17 (  
  set generator="Visual Studio 17 2022"  
  set compiler=-s:a compiler.version=193 c=tools.cmake.cmaketoolchain:generator="Visual Studio 17 2022"  
  set vs\_version="vc17"  
) else if %set\_compiler%==gcc (  
  set generator="MinGW Makefiles"  
  set compiler=-s:a compiler=gcc -s:a compiler.libcxx=libstdc++11 -s:a compiler.version=9  
  set "set\_architecture="  
  echo Building on Windows with gcc is not supported  
  goto :end  
) else (  
  set "compiler="  
)

Updated version should look like this:  
\*\*\* ensure there are no line breaks when pasting the code block on line 41 and 45 \*\*\*A screen shot of a computer program

AI-generated content may be incorrect.

REMINDER: SAVE EDITS  
After saving these edits, close VS Code and any other location the project could be open, including the terminal window used to install conan

Next, run terminal as an administrator, navigate to project directory>scripts (e.g. your\_local\_disk\OFIQ-Project-main\scripts), and run the following cmd to clear conan cache:  
conan remove "\*" –confirm

After running that, use the following command to build the project:  
build.cmd --compiler 17

*Should that command run successfully, the next step would be to exercise a fair amount of patience, this is a bulky program and depending on your processor, could take up to 25-30 minutes for the build to finish.*