Guide for generating an executable file of 4C from source code on a Windows operation system

To be able to run 4C on your windows computer it is required to have a FORTRAN compiler and it is helpful to have visual studio (installed with a FOTRAN compiler, f.i. intel compiler).

Installation of Visual Studio

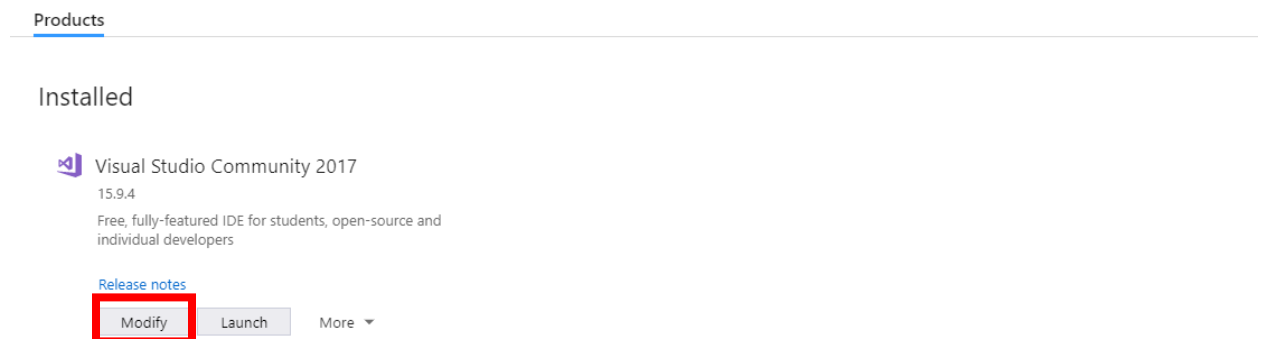Visual studio can be downloaded on the following [site](). Download the Visual Studio Community 2017

A detailed description on how to install Visual studio is available on the [Microsoft website]().
Make sure you install the workloads allowing you to work with C++ and C# software (e.g. "Desktop development with C++", ".NET desktop development").
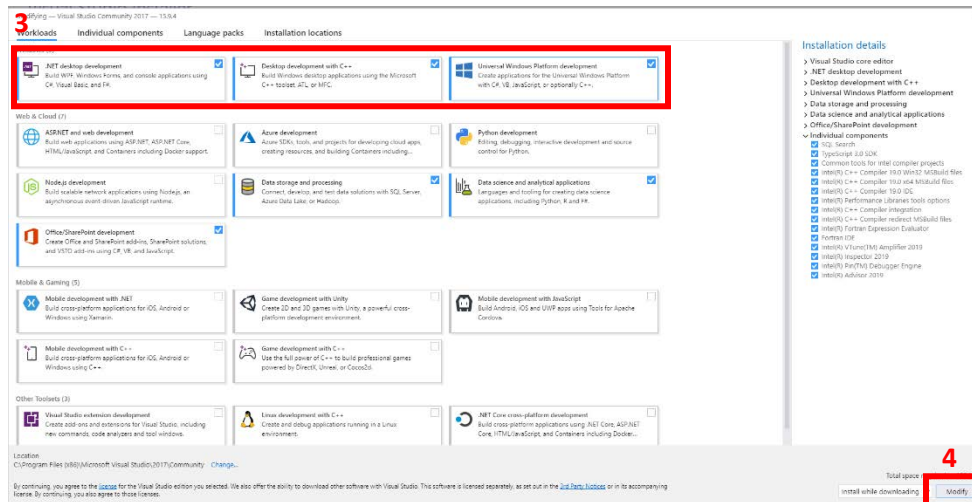
If Visual Studio is already installed but you have not installed the C++ workloads you should follow these steps:

1. Open "Visual Studio Installer"
2. On the tab products you can see "Visual Studio Community 2017", click on modify

3. Select the workloads ".NET desktop development", "Desktop development with C++" and "Universal Windows Platform development"

4. Click on modify in the right bottom corner of the visual studio installer window

Installing the Fortran compiler for windows

As a fortran compiler with visual studio it is possible to install "Intel® Parallel Studio XE". This software is freely available for students and educators.

To install the software follow the next steps

1. Go to https://software.intel.com/en-us/parallel-studio-xe
2. Click on the button "choose & download
3. Select the option that follows with your option: "Techincal, HPC, …", "Students", "Classroom Educator" or "Open Source Contributor"
4. The first group will have to buy the software. Students and Classroom educators can get the software for free by clicking on their group and consequently select the button windows
5. You'll have to register to be able to download the software
6. Follow the instruction to install the software, make sure the intel® Fortran Compiler is installed
7. Restart your PC to make sure the software is installed properly and is ready for use.