

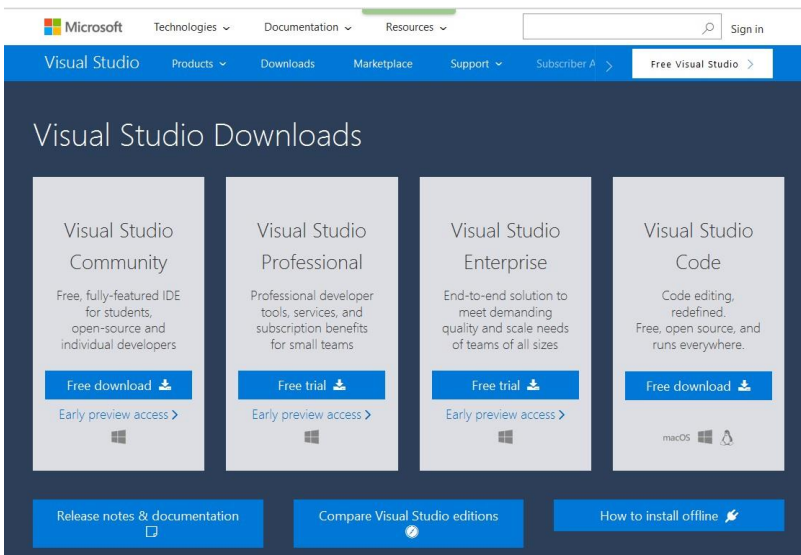
Installing MS VisualStudio 2017 for FlagShip

The FlagShip 8 port may use **Microsoft Visual Studio 2017**, or alternatively Visual Studio 2015. It is required for compiling .c sources (created by FlagShip from your .prg) and to link with corresponding FlagShip library. Both are suitable to support native 64-bit and 32-bit applications created by FlagShip.

Follow these steps before installing FlagShip, when you don't have Visual Studio 2017 nor Visual Studio 2015 installed yet (any edition).

1. Download Microsoft Visual Studio 2017

Download and install Visual Studio 2017 (any edition, either the free Community version, or the commercial Professional or Enterprise version) from <https://www.visualstudio.com/downloads/>



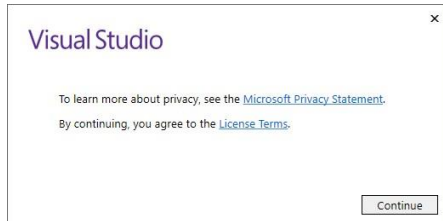
The following description is an example how to install the free Visual Studio Community (but it is similar for Professional or Enterprise version):

Click **Free download**, then **Save File**

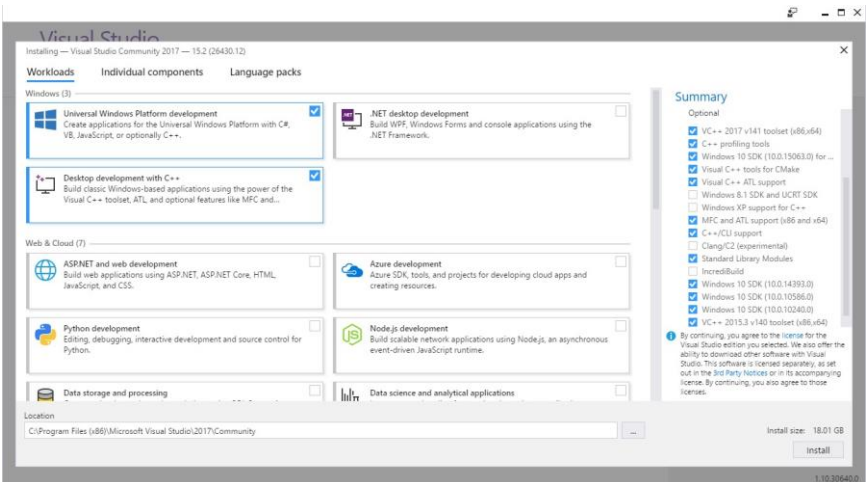


2. Install Visual Studio

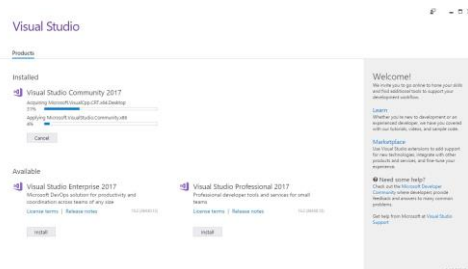
- a. Open your Windows FileExplorer, navigate to Downloads folder and click the file `vs_Community.exe`, confirm UAC and License Terms



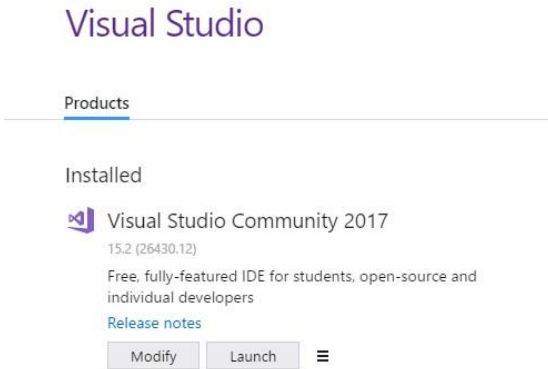
- b. Select Components and Options to install. For FlagShip, only C, C++ with corresponding tools are relevant



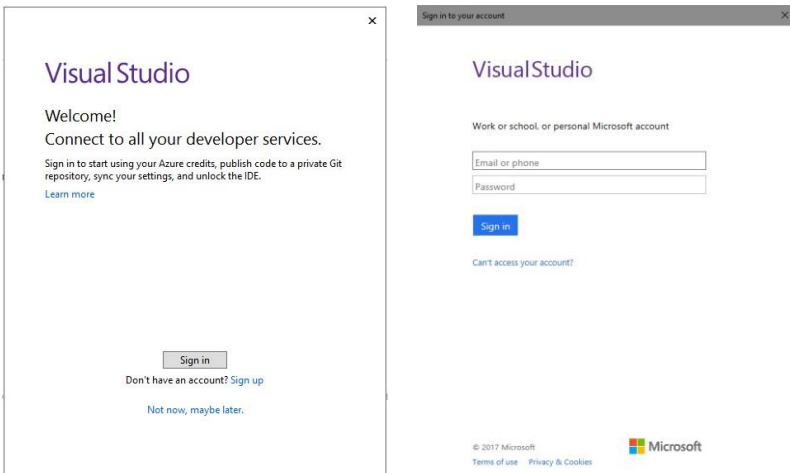
- c. Click **Install** and take a break, the installation will take a time. Be patient, it can be quite time consuming, often more than an hour - but does not need your interaction.



- d. When the installation is finished, the following dialog appears. A click on the **Modify** button enables you to add or remove some components (same as 2.b or 3.b), otherwise click the **Launch** button:

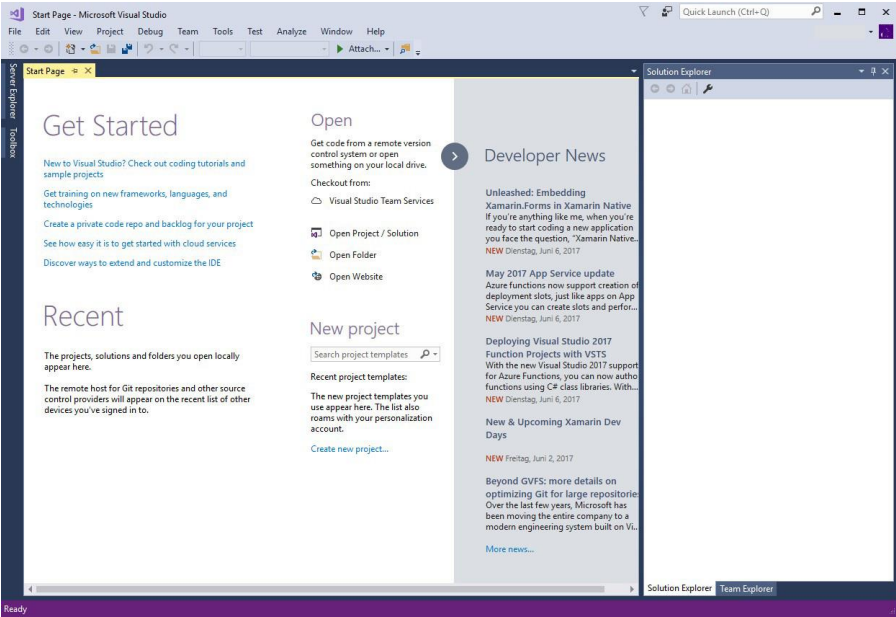


- e. The next dialog prompts you to register the Visual Studio (required):

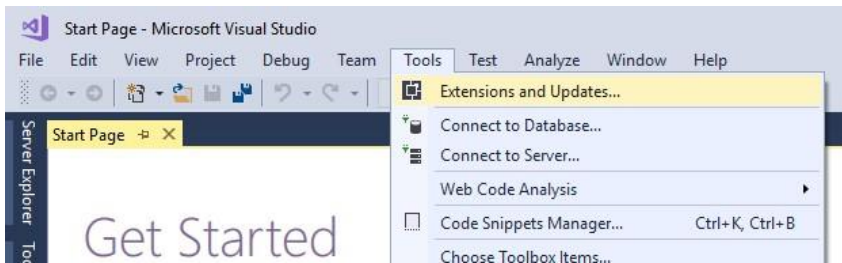


After successful registration, Visual Studio starts:

3. Visual Studio 2017



- a. For FlagShip, you can (but don't need) manage your sources using Visual Studio. A simple FlagShip command line (or Nmake + Makefile) is mostly more efficient, it will run the entire compilation and create .exe file - see details in the FirstSteps [booklet](#) and in the FlagShip [manual](#) section FSC.
- b. Check for available updates and/or installed packages. This menu should be used later for updates as well.



- c. Exit Visual Studio, and [install](#) FlagShip 8 (if not done yet).

Enjoy FlagShip!