Installing the Intel oneAPI Fortran compiler

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Downloading

There are four packages to download from Microsoft and Intel Web sites.

A copy of all four packages is currently available in:

https://drive.google.com/drive/folders/1T5dBgLHooFQKC5lrHrVKp_R4Ws1NljLB?usp=sharing

1. Microsoft developer studio

This is a (monster) development environment hosting the Intel software. I have chosen the (most recent) 2019 version of Visual Studio Community

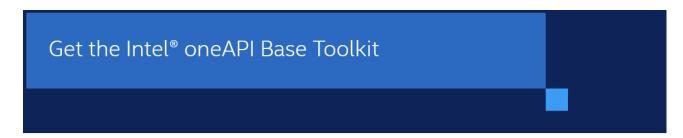
Web site (in French): https://visualstudio.microsoft.com/fr/thank-you-downloading-visual-studio/?sku=Community&rel=16

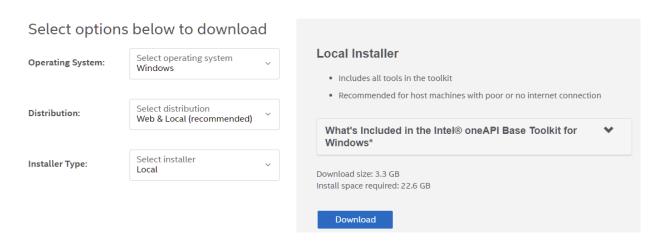
2. Intel oneAPI Base Toolkit

This is required for full functionality of the compiler.

Web site: https://software.intel.com/content/www/us/en/develop/tools/oneapi/base-toolkit/download.html

Select the following options:



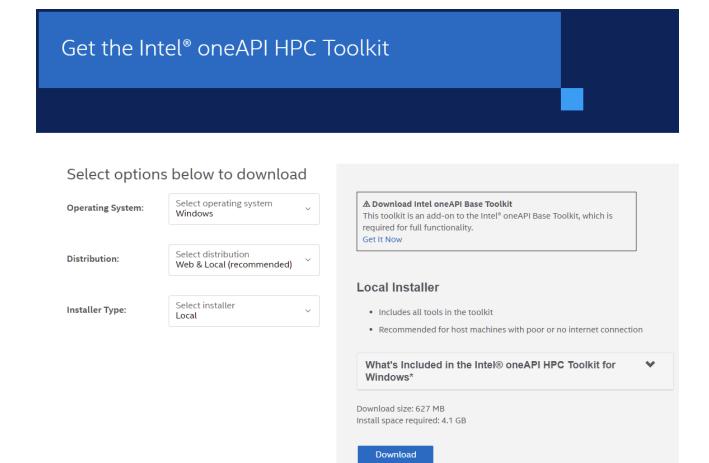


3. Intel oneAPI HPC toolkit

This includes the Fortran Classic compiler (among various programming languages).

Web site: https://software.intel.com/content/www/us/en/develop/tools/oneapi/hpc-toolkit/download.html

Select the following options:



4. Intel® Fortran Compiler Classic Runtime for Windows

These are libraries specific to a given compiler. They must be downloaded and installed separately from oneAPI HPC toolkit.

Web site: https://software.intel.com/content/www/us/en/develop/articles/oneapi-standalone-components.html

Select the option highlighted in the table below:

Runtime Versions - Microsoft Windows* and macOS* Binary Packages

Runtime versions for select libraries are available via local install packages for Microsoft Windows* and macOS*.

Name	Version	Size	Date
Intel® oneAPI DPC++/C++ Compiler Runtime for Windows*	2021.2.0	156 MB	Mar. 25, 2021
Intel® C++ Compiler Classic Runtime for macOS*	2021.2.0	10 MB	Mar. 07, 2021
Intel® C++ Compiler Classic Runtime for Windows*	2021.2.0	156 MB	Mar. 25, 2021
Intel® Fortran Compiler Classic Runtime for macOS*	2021.2.0	11 MB	Mar. 07, 2021
Intel® Fortran Compiler Classic Runtime for Windows*	2021.2.0	31 MB	Mar. 25, 2021
Intel [*] Fortran Compiler ^(Beta) Runtime for Windows*	2021.2.0	31 MB	Mar. 25, 2021
Intel [®] CPU Runtime for OpenCL™ Applications for Windows*	2021.2.0	93 MB	Mar. 25, 2021
Intel® oneAPI Video Processing Library Runtime for Windows*	2021.2.2	10 MB	Mar. 25, 2021

Installing

For installation simply run (double-click) the .exe packages, in the following order:

- 1. Microsoft visual studio. Select the workload "Desktop development with C++"
- 2. oneAPI Base Toolkit
- 3. oneAPI HPC toolkit
- 4. Fortran runtime libraries for oneAPI.