

# Installing the Intel oneAPI Fortran compiler

Thierry Van Cutsem

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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](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:

Get the Intel® oneAPI Base Toolkit

Select options below to download

Operating System:

Distribution:

Installer Type:

**Local Installer**

- Includes all tools in the toolkit
- Recommended for host machines with poor or no internet connection

**What's Included in the Intel® oneAPI Base Toolkit for Windows\***

Download size: 3.3 GB  
Install space required: 22.6 GB

[Download](#)

### 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:

Get the Intel® oneAPI HPC Toolkit

Select options below to download

Operating System: Select operating system  
Windows

Distribution: Select distribution  
Web & Local (recommended)

Installer Type: Select installer  
Local

**Download Intel oneAPI Base Toolkit**  
This toolkit is an add-on to the Intel® oneAPI Base Toolkit, which is required for full functionality.  
[Get It Now](#)

**Local Installer**

- Includes all tools in the toolkit
- Recommended for host machines with poor or no internet connection

**What's Included in the Intel® oneAPI HPC Toolkit for Windows\***

Download size: 627 MB  
Install space required: 4.1 GB

[Download](#)

### 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 <sup>(Beta)</sup> 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.