

# Installing Intel® Parallel Studio XE Composer Edition for Fortran Windows 2016

These instructions are specific to installing Intel Parallel Studio XE Composer for Fortran Windows 2016 and *do not apply* to earlier versions or to linux versions of the software.

## Download the Software

Note that views in the Intel Registration Center may change without notice. Content should remain the similar to the screenshots provided herein, be the way it is displayed may vary.

1. If you have not already done so, go to the Intel Registration Center and register your product using the serial number provided at the time of license delivery.  
<https://registrationcenter.intel.com/>
2. Go to the Intel Registration center and click Sign In. Once signed in, you should see a screen similar to that shown below. If you do not see this screen, go to Intel Products in the menu on the right side of the screen, then click on the product “Intel® Parallel Studio XE Composer Edition for Fortran Windows.” Note that update versions and dates may be newer than shown in the graphic below.

Product Subscription Information	Download Latest Update	Release Posted
Intel® Parallel Studio XE Composer Edition for Fortran Windows*		
Intel® Parallel Studio XE Composer Edition for Fortran Windows*	Version 2016 (Update 1 Eng/Jpn)	12 Nov 2015
Intel® Data Analytics Acceleration Library for Windows*	Version 2016 (Update 1)	17 Nov 2015
Intel® Math Kernel Library for Windows*	Version 11.3 (Update 1)	13 Nov 2015
Intel® MPSS for Windows*	Version 2013 (3.4.6)	12 Jan 2016
Intel® Parallel Studio XE Composer Edition for Fortran Windows* (incl. Microsoft Visual Studio Shell and Libraries*)	Version 2013 SP1 (Update 6 E/J VS)	13 Oct 2015

- In the Download Latest Update column, locate Intel Parallel Studio XE composer Edition for Fortran Windows and click on the "Version 2016" download link.

## Products

5 active products shown and 10 expired products hidden

Product Subscription Information	Download Latest Update	Release Posted
Intel® Parallel Studio XE Composer Edition for Fortran Windows*	<a href="#">Version 2016 (Update 1 Eng/Jpn)</a>	12 Nov 2015
Intel® Data Analytics Acceleration Library for Windows*	<a href="#">Version 2016 (Update 1)</a>	17 Nov 2015
Intel® Math Kernel Library for Windows*	<a href="#">Version 11.3 (Update 1)</a>	13 Nov 2015
Intel® MPSS for Windows*	<a href="#">Version 2013 (3.4.6)</a>	12 Jan 2016

- You should now see as screen similar to below.

intel Menu Search USA (En)

### Intel® Parallel Studio XE Composer Edition for Fortran Windows\*

The product updates/upgrades below are available based on your support subscription status.

Version: 2016, 2015, 2013 SP1  
Date posted: 12 Nov 2015

Update (Build #): Update 1 Eng/Jpn, Initial Release  
Build date: 12 Nov 2015

Choose download option:

- Online Installer (57 MB)  
Release Notes | ReadMe | Installation Guide  
This Installer lets you preselect components and reduce time for download and installation. You must be connected to the internet to use this installer.
- Full Offline Installer Package (1668 MB)  
Release Notes | ReadMe | Installation Guide  
This Installer contains all the components of the product.

[Download Now](#)

Related Files  
[ww\\_ifort\\_redist\\_msi\\_2016.1.146.zip](#) (ReadMe | Release Notes) 27 MB

Intel® Products  
My Profile (jane@crtech.com)  
Profile >  
Change Login >  
Sign Out  
Resources >  
Questions & Answers >

- Use the two pull down options to select 2016 and the latest version.

Version: 2016, 2015, 2013 SP1  
Date posted: 12 Nov 2015

Update (Build #): Update 1 Eng/Jpn, Initial Release  
Build date: 12 Nov 2015

- For the download option, it is recommended to download the full offline installer.

**Choose download option:**

**Online Installer (57 MB)**

[Release Notes](#) | [ReadMe](#) | [Installation Guide](#)

This Installer lets you preselect components and reduce time for download and installation. You must be connected to the internet to use this installer.

**Full Offline Installer Package (1668 MB)**

[Release Notes](#) | [ReadMe](#) | [Installation Guide](#)

This Installer contains all the components of the product.

7. It is recommended to download Intel's **Installation Guide** which covers additional details not covered in this instruction guide.

**Full Offline Installer Package (1668 MB)**  
[Release Notes](#) | [ReadMe](#) | [Installation Guide](#)  
This Installer contains all the components of the product.

8. It is also recommended you review Intel's Release Notes. The link to Release Notes in the Registration center is a subset of the **full Release Notes** (which can be found at <https://software.intel.com/en-us/articles/intel-visual-fortran-compiler-160-for-windows-release-notes-for-intel-parallel-studio-xe>). For complete system requirements review the full Release Notes.

9. Click the **Download Now** button to start the download.

10. Further down on the screen is your product information. Make note of the Serial Number which you will need to input during the install process.

Product Name	Serial Number	Support Status	Licenses	Purchase
Intel® Parallel Studio XE Composer Edition for Fortran Windows*	ABCD-1234567	Active: 22 Aug 2016	Manage	Renewal

11. When the download is complete, log out of the Registration Center.

## Before Installing

1. The person performing this install must have administrative privileges.
2. Verify short names are enabled on the computer. To check this go to C:\Windows\system32 and open a power shell as administrator. Type the following, if SINDA/FLUINT is not installed on the C drive use the appropriate drive letter.

```
FSUTIL.EXE 8dot3name query C:
```

You should see a response similar to the following if it is enabled.

```
The volume state is: 0 (8dot3 name creation is enabled).
```

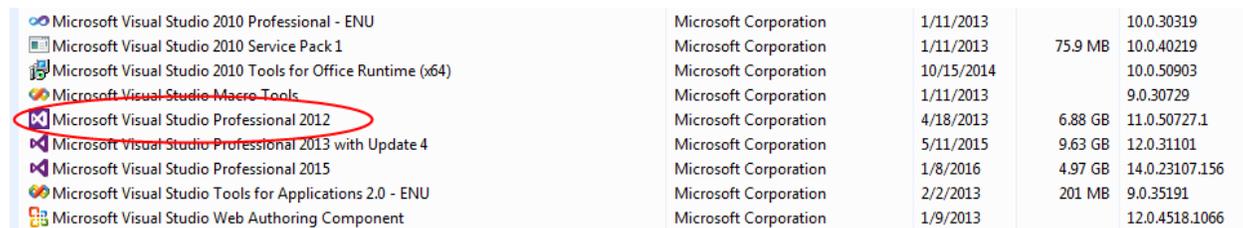
```
The registry state is: 2 (Per volume setting - the default).
```

If short names are disabled, enable them with the following command

```
fsutil behavior set disable8dot3
```

3. Intel Parallel Studio XE Composer 2016 requires Microsoft Visual Studio/Visual Studio Express 2010 or newer installed on the computer. If you do not have Visual Studio installed, there is no need to purchase it, the Intel installer will install a shell version of Visual Studio.

If you already have Visual Studio installed, you can verify what version is installed by opening the *Control Panel* and going to *Programs and Features*. Below is a screenshot which shows a 2012 Professional installation.



Microsoft Visual Studio 2010 Professional - ENU	Microsoft Corporation	1/11/2013		10.0.30319
Microsoft Visual Studio 2010 Service Pack 1	Microsoft Corporation	1/11/2013	75.9 MB	10.0.40219
Microsoft Visual Studio 2010 Tools for Office Runtime (x64)	Microsoft Corporation	10/15/2014		10.0.50903
Microsoft Visual Studio Macro Tools	Microsoft Corporation	1/11/2013		9.0.30729
Microsoft Visual Studio Professional 2012	Microsoft Corporation	4/18/2013	6.88 GB	11.0.50727.1
Microsoft Visual Studio Professional 2013 with Update 4	Microsoft Corporation	5/11/2015	9.63 GB	12.0.31101
Microsoft Visual Studio Professional 2015	Microsoft Corporation	1/8/2016	4.97 GB	14.0.23107.156
Microsoft Visual Studio Tools for Applications 2.0 - ENU	Microsoft Corporation	2/2/2013	201 MB	9.0.35191
Microsoft Visual Studio Web Authoring Component	Microsoft Corporation	1/9/2013		12.0.4518.1066

4. If you have Visual Studio installed on the computer, make sure you have the necessary features installed such as Visual C++ Programming Language (may require a custom install). Note that the remainder of these instructions assume you do not have Visual Studio installed.
5. You will need the following files:
  - **Compiler install file:**  
parallel\_studio\_xe\_2016\_update1\_composer\_edition\_for\_fortran\_setup.exe
  - If you do not have the professional version of Visual Studio defined above, you will need to download the following:  
**Microsoft Windows SDK for Windows 8.1 installer:**  
sdksetup.exe  
(download from <https://software.intel.com/en-us/vs2013shell-windowssdk>)

## Install SDK for Windows 8.1

Despite the name of this application, SDK must be installed on any Windows 7 or newer platform before you install Parallel Studio. If you do not install this, the Intel compiler will not operate properly.

*If you have a compatible version of Microsoft Visual Studio installed on the computer, you can skip the SDK for Windows 8.1 installation.*

1. Double click on the SDK for Windows 8.1 installer.

2. Specify Location. This is your choice, you can install immediately or you can download for installation on multiple computers. The steps outlined herein are for immediate installation.

### Specify Location

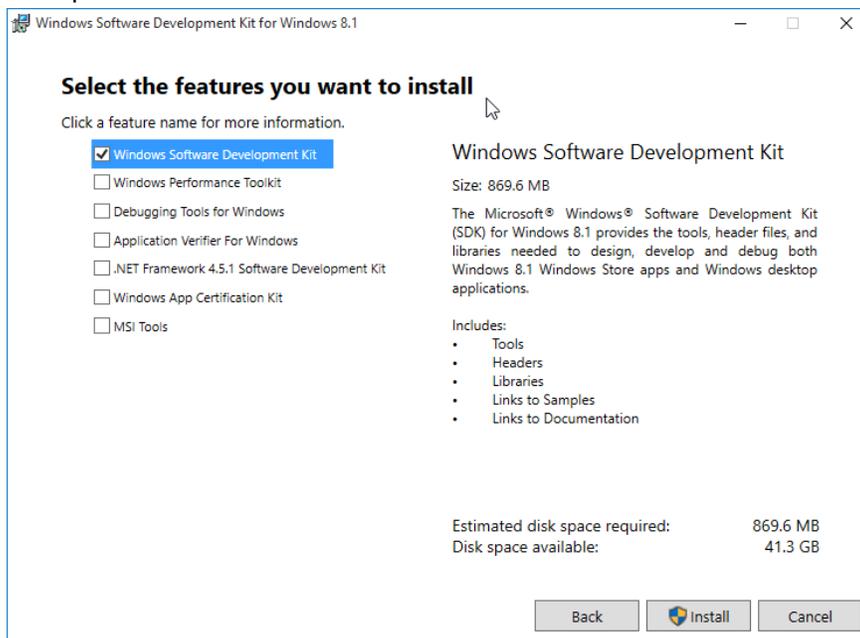
Install the Windows Software Development Kit for Windows 8.1 to this computer

Install Path:

Download the Windows Software Development Kit for Windows 8.1 for installation on a separate computer

Download Path:

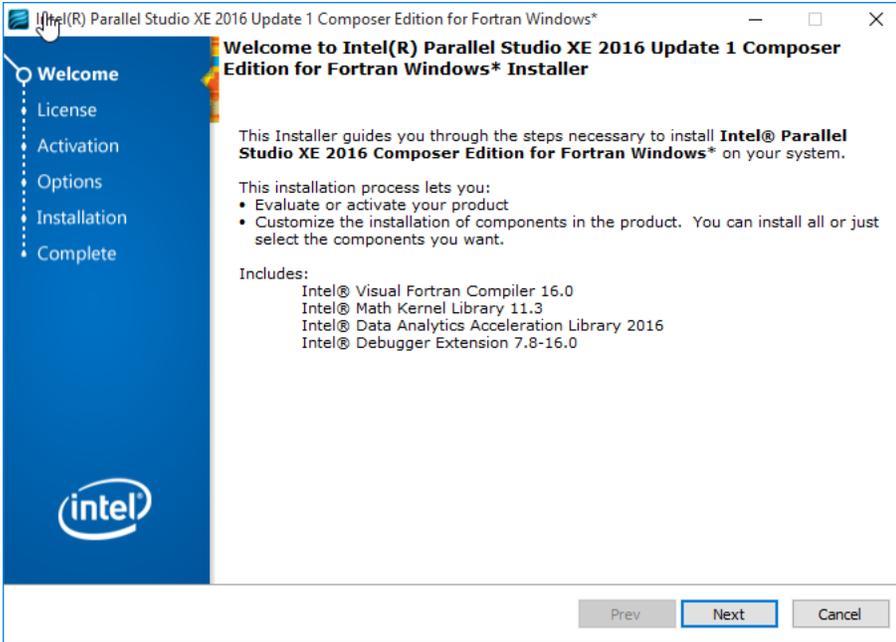
3. After reading and accepting the licensing terms, you will see the following screen. Only the “Windows Software Development Kit” is required, you may uncheck the other boxes to save on disk space.



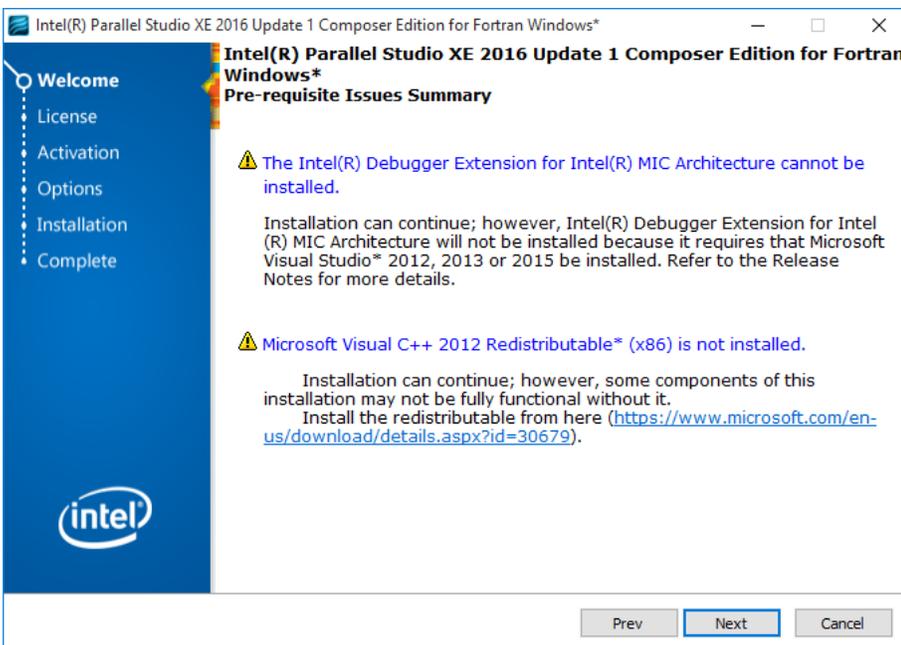
4. Click **Install**.
5. When the installation is complete, click the **Close** button to exit.

## Install Intel Parallel Studio XE Composer

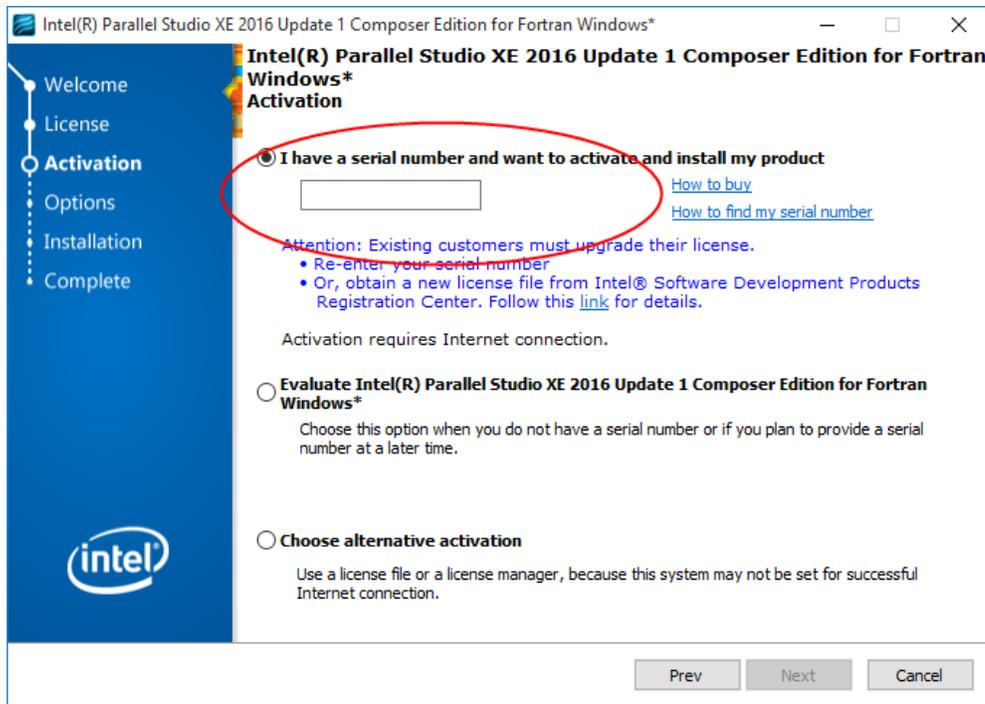
1. Double click on the Parallel Studio installer.
2. After extracting, you will see the following screen.



3. Click **Next**. The next screen will list cautions and prerequisites to the installation. **Be sure to read these messages**. The Debugger Extension is not required and the C++ redistributable is not required so these two warnings below can be ignored. If you see any other warnings on this screen, please see the section on [Warning Messages](#) below before continuing with the install.



4. In the next screen, read and accept the terms of the license.
5. In the screen below, input the serial number of your product. After inputting the serial number, if the Next button remains gray, you have incorrectly input the serial number.



Note that if you are evaluating, Microsoft Visual Studio 2013 shell will not be installed. You need to install a trial version of Microsoft Visual Studio prior to installing Intel Parallel Studio.

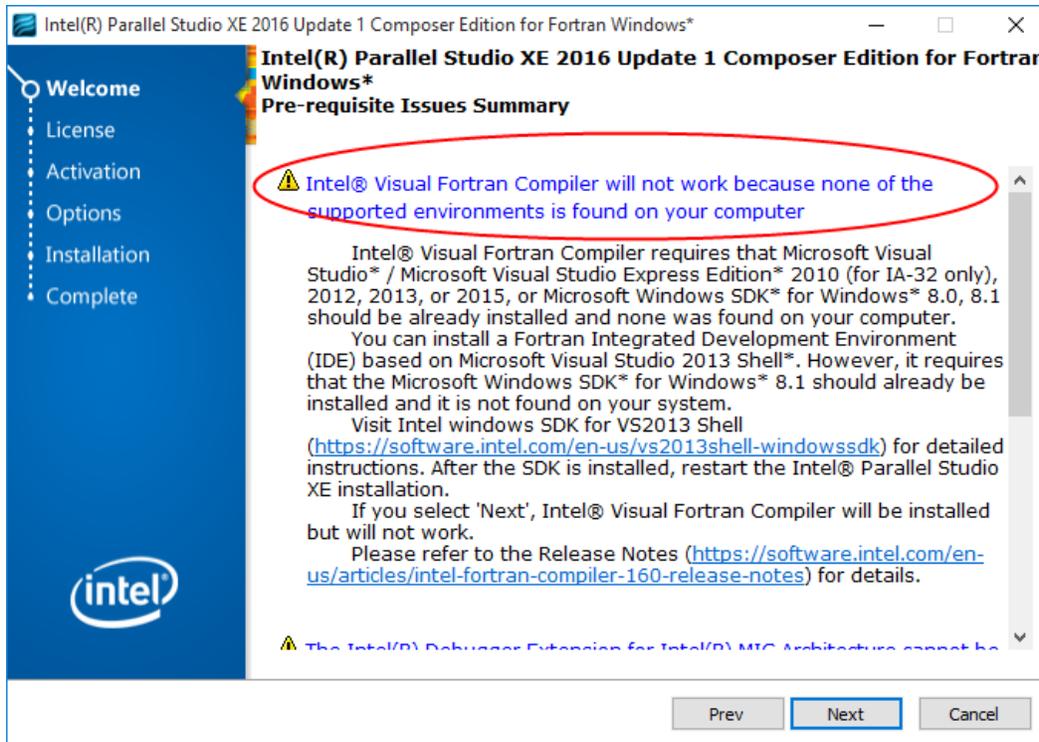
6. Continue through the installer process accepting the default install.

At this point the intel compiler should be installed.

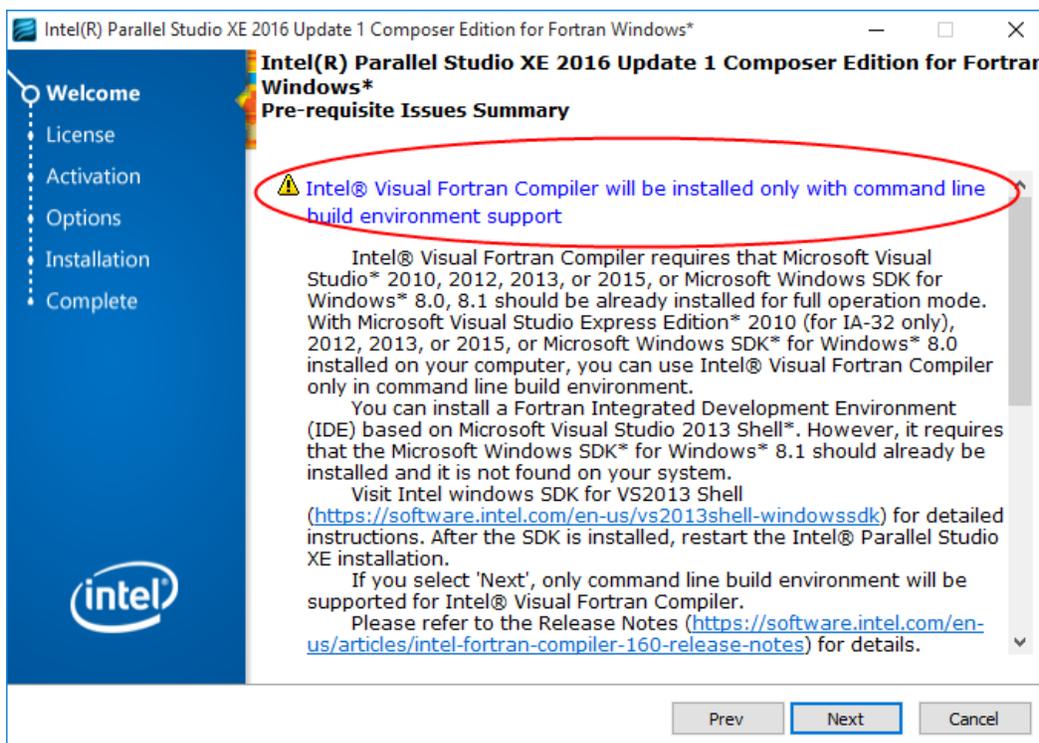
## Warning Messages

This section identifies common warning messages seen during the installation process.

When installing Intel Parallel Studio, if you see the error message below, you do not have a compatible version Microsoft Visual Studio installed and you did not install the SDK for Windows 8.1. Exit the installer and install SDK for Windows 8.1 as outlined herein, and then rerun in the installer.



If you see the following message you have a compatible version of Microsoft Visual Studio installed and did not install SDK for Windows 8.1. SINDA/FLUINT only requires the command line build environment to run, so this warning can be ignored and you can continue with the installation.



If you have any other warning or error messages, thoroughly read the message and follow any instructions provided.