

# Intel® Parallel Studio XE 2013 for Windows\*

## Installation Guide and Release Notes

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### Table of Contents

1	Introduction .....	1
1.1	What's New.....	1
1.1.1	Changes from Intel Parallel Studio XE 2011 .....	2
1.2	Product Contents .....	2
1.3	System Requirements.....	2
1.4	Documentation.....	4
1.5	Technical Support.....	4
2	Installation.....	4
2.1	Pre-Installation Steps.....	4
2.1.1	Configure Visual Studio for 64-bit Applications.....	4
2.2	Installation .....	4
2.2.1	Using a License Server.....	5
3	Disclaimers, Notices and Legal Information .....	5

## 1 Introduction

This document describes system requirements and how to install Intel® Parallel Studio XE 2013. Additional release notes for each component, with details of changes and additional technical information, can be found after installation, in the respective components' Documentation folder.

First-time users should view the Getting Started page that is displayed at the end of installation.

### 1.1 What's New

This section highlights important changes from the previous product version and changes in product updates. For information on what is new in each component, please read the individual component release notes.

## Update 4 – June 2013

- Component products updated to current versions

## Update 3 – March 2013

- Component products updated to current versions

## Update 2 – February 2013

- Component products updated to current versions

## Update 1 – October 2012

- Component products updated to current versions

### 1.1.1 Changes from Intel Parallel Studio XE 2011

- Intel® Advisor XE is a new component included in this product.
- Other components updated to current versions
- Support added for Microsoft Windows 8\* and Microsoft Windows Server 2012\*
- Microsoft Visual Studio 2012\* is now supported
- Microsoft Visual Studio 2005\* is no longer supported
- Microsoft Windows Vista\* and Microsoft Windows Server 2003\* are no longer supported
- Microsoft Windows XP\* is deprecated – support will be removed in a future release

## 1.2 Product Contents

*Intel® Parallel Studio XE 2013* includes the following components:

- Intel® C++ Composer XE 2013 Update 5 - includes Intel® Integrated Performance Primitives (Intel® IPP), Intel® Threading Building Blocks (Intel® TBB) and Intel® Math Kernel Library (Intel® MKL)
- Intel® Visual Fortran Composer XE 2013 Update 5 - includes Intel® Math Kernel Library (Intel® MKL)
- Intel® Advisor XE 2013 Update 3
- Intel® Inspector XE 2013 Update 6
- Intel® VTune™ Amplifier XE 2013 Update 9
- Sample programs
- On-disk documentation

## 1.3 System Requirements

For an explanation of architecture names, see <http://intel.ly/mXlIjK>

- A PC based on an IA-32 or Intel® 64 architecture processor supporting the Intel® Streaming SIMD Extensions 2 (Intel® SSE2) instructions (Intel® Pentium® 4 processor or later, or compatible non-Intel processor)

- Incompatible or proprietary instructions in non-Intel processors may cause the analysis capabilities of this product to function incorrectly. Any attempt to analyze code not supported by Intel® processors may lead to failures in this product.
- For the best experience, a multi-core or multi-processor system is recommended
- 2GB RAM
- 8GB free disk space for all product features and architectures
- Microsoft Windows XP\*, Microsoft Windows 7\*, Microsoft Windows 8\*, Microsoft Windows Server 2012\* or Microsoft Windows Server 2008\*; 32-bit or “x64” editions - embedded editions not supported
  - Support of Microsoft Windows XP is deprecated – a future major release of Intel® Parallel Studio XE will not support Windows XP
- One or more of:
  - Microsoft Visual Studio 2012\* Professional Edition (or higher edition) with C++ component installed
  - Microsoft Visual Studio 2010\* Professional Edition (or higher edition) with C++ and “x64 Compiler and Tools” components installed [1]
  - Microsoft Visual Studio 2008\* Standard Edition (or higher edition) SP1 with C++ and “x64 Compiler and Tools” components installed [1]
  - For Intel® Visual Fortran, Intel® Advisor XE, Intel® Inspector XE and Intel® VTune™ Amplifier XE use only, Microsoft Visual Studio 2010\* Shell and Libraries from the Intel® Visual Fortran Composer XE installation
  - For Intel® Visual Fortran, Intel® Advisor XE, Intel® Inspector XE and Intel® VTune™ Amplifier XE use only, Microsoft Visual Studio 2008\* Shell and Libraries from an earlier version of Intel® Visual Fortran Composer XE or Intel® Visual Fortran Compiler Professional Edition

Notes:

1. Microsoft Visual Studio 2008 Standard Edition installs the “x64 Compiler and Tools” component by default – the Professional and higher editions require a “Custom” install to select this. Microsoft Visual Studio 2010 and Visual Studio 2012 include this component by default.
2. The default for the Intel® compilers is to build IA-32 architecture applications that require a processor supporting the Intel® SSE2 instructions - for example, the Intel® Pentium® 4 processor. A compiler option is available to generate code that will run on any IA-32 architecture processor. However, if your application uses Intel® Math Kernel Library, Intel® Integrated Performance Primitives or Intel® Threading Building Blocks, executing the application will require a processor supporting the Intel® SSE2 instructions.
3. Applications built with Intel® Compilers can be run on the same Windows versions as specified above for development. Applications may also run on non-embedded 32-bit versions of Microsoft Windows earlier than Windows XP, though Intel does not test these for compatibility. Your application may depend on a Win32 API routine not present in older versions of Windows. You are responsible for testing application compatibility. You may need to copy certain run-time DLLs onto the target system to run your application.

## 1.4 Documentation

Product documentation can be accessed through the Help menu in Microsoft Visual Studio. It can also be found, along with “Getting Started” information, in the Windows “Start” menu under Intel Parallel Studio XE 2013. Please note that if you view the documentation in Microsoft Internet Explorer\*, the browser may display a security warning when you click on links to open a documentation set. If you see this warning, you should click the option to proceed.

## 1.5 Technical Support

If you did not register your compiler during installation, please do so at the [Intel® Software Development Products Registration Center](#). Registration entitles you to free technical support, product updates and upgrades for the duration of the support term.

For information about how to find Technical Support, Product Updates, User Forums, FAQs, tips and tricks, and other support information, please visit <http://www.intel.com/software/products/support>

**Note:** If your distributor provides technical support for this product, please contact them for support rather than Intel.

# 2 Installation

## 2.1 Pre-Installation Steps

### 2.1.1 Configure Visual Studio for 64-bit Applications

If you will be developing 64-bit applications you may need to change the configuration of Visual Studio to add 64-bit support.

If you are using Visual Studio 2008 Standard Edition, Visual Studio 2012 or Visual Studio 2010, no configuration is needed to build 64-bit applications. For other editions:

1. From Control Panel > Add or Remove Programs, select “Microsoft Visual Studio 2008 > Change/Remove. The Visual Studio Maintenance Mode window will appear. Click Next.
2. Click Add or Remove Features
3. Under “Select features to install”, expand Language Tools > Visual C++
4. If the box “X64 Compiler and Tools” is not checked, check it, then click Update. If the box is already checked, click Cancel.

## 2.2 Installation

The installation of the product requires a valid license file or serial number. If you are evaluating the product, you can also choose the “Evaluate this product (no serial number required)” option during installation.

If you received your product on DVD, insert the first product DVD in your computer’s DVD drive; the installation should start automatically. If it does not, open the top-level folder of the DVD drive in Windows Explorer and double-click on setup.exe.

If you received your product as a downloadable file, double-click on the executable file (.EXE) to begin installation. Note that there are several different downloadable files available, each providing different combinations of components. Please read the download web page carefully to determine which file is appropriate for you.

You do not need to uninstall previous versions or updates before installing a newer version – the new version will coexist with the older versions. If you want to remove older versions, you may do so before or after installing the newer one.

### 2.2.1 Using a License Server

If you have purchased a “floating” license, see <http://intel.ly/oPEdEe> for information on how to install using a license file or license server. This article also provides a source for the Intel® License Manager for FLEXlm\* product that can be installed on any of a wide variety of systems.

## 3 Disclaimers, Notices and Legal Information

### Optimization Notice

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