

Intel® Parallel Studio XE 2011 and Intel® Cluster Studio MIGRATION CARD



OVERVIEW

Intel® Parallel Studio XE and Intel® Cluster Studio are designed specifically for software developers using the C++ or Fortran programming language on Windows* and Linux*. These tools allow developers to deliver code on time, with the highest level of performance, and the least number of defects from cluster to desktop to device, enabling developers to innovate, optimize end-user experiences, and pull more from the latest Intel® multicore processors.

Intel® Parallel Studio XE

- › Industry-leading C/C++ and Fortran compilers, libraries, and analysis tools help deliver advanced performance to applications.
- › Intel Parallel Studio XE is a bundle of three products:

1. Intel® Composer XE

- **New:** Most Fortran 2008 (including Co-Arrays) and Fortran 2003 features
- **New:** More parallelism-development features with Intel PBB
- **New:** Optimizations for the new Sandy Bridge processor

2. Intel® Inspector XE

- **New:** Pinpoint difficult-to-find memory and threading errors before they happen

3. Intel® VTune™ Amplifier XE

- **New:** More intuitive interface, fast statistical call graph, and timeline view
- **New:** The performance profiler finds bottlenecks in serial and parallel code that limit performance

Intel® Cluster Studio

- › Industry-leading C/C++ and Fortran compilers, libraries, MPI library, and messaging analyzer support development of scalable MPI applications.
- › Intel Cluster Studio is a bundle of three products for MPI developers:

1. Intel® Composer XE

- **New:** Most Fortran 2008 (including Co-Arrays) and Fortran 2003 features
- **New:** More parallelism-development features with Intel PBB
- **New:** Optimizations for the new Sandy Bridge processor

2. Intel® MPI Library

- **New:** Enhanced scale of Intel MPI Library to scale up to 60K cores

3. Intel® Trace Analyzer and Collector

- **New:** Auto-tuning capabilities

Limited time only:

YOUR CUSTOMERS SAVE 50%+ WHEN THEY UPGRADE

Offer expires 12/31/10

TARGET CUSTOMERS

Intel Parallel Studio XE and Intel Cluster Studio is intended for software developers from three main segments:

1. High-performance computing (HPC)

- Scientific research centers and universities
- Weather forecast/climate research, military
- Oil exploration/geophysics (seismic simulation, reservoir modeling)
- Manufacturing (CFD/FEA/simulation of cars, planes, aerospace, devices, etc.)
- Finance (investment banks / trading / risk management)

2. Independent software vendors' C++ programmers (Microsoft Visual Studio* /Linux*) working on:

- Image processing
- Signal processing
- Gaming
- Enterprise

3. Industrial developers and embedded system manufacturers

- Medical devices
- Equipment manufacturers

INTEL® PARALLEL STUDIO XE AND INTEL® CLUSTER STUDIO

Old Product Names	New Product Names
	Intel® Parallel Studio XE
	Intel® C++ Studio XE
Intel® Cluster Toolkit Compiler Edition	Intel® Cluster Studio
Intel® Compiler Suite Professional Edition	Intel® Composer XE
Intel® C++ Compiler Professional Edition	Intel® C++ Composer XE
Intel® Visual Fortran Compiler Professional Edition	Intel® Visual Fortran Composer XE†
Intel® Fortran Compiler Professional Edition	Intel® Fortran Composer XE
Intel® VTune™ Performance Analyzer (including Intel® Thread Profiler)	Intel® VTune™ Amplifier XE
Intel® Thread Checker	Intel® Inspector XE

†Intel® Visual Fortran Composer XE for Windows* with IMSL is available as a standalone product, but customers must buy runtime licenses for IMSL (call your distributor for details).

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Upgrades to be offered to current customers

**LIMITED TIME ONLY: YOUR CUSTOMERS
SAVE 50%+ WHEN THEY UPGRADE**

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Studio Product	MSRP	SSR	Upgrade Price	Limited Time Special Upgrade	Eligible Current HE Product
Intel® Parallel Studio XE for Windows	\$1,899	\$760	\$1,200	\$600	Win: Fortran Compiler Pro, C++ Compiler Pro, Compiler Suite, MKL, IPP, TBB, VTune & Thread Profiler, Thread Checker
Intel® Parallel Studio XE for Linux	\$2,249	\$900	\$1,200	\$600	Lin: Fortran Compiler Pro, C++ Compiler Pro, Compiler Suite, MKL, IPP, TBB, VTune & Thread Profiler, Thread Checker
Intel® C++ Studio XE for Linux* and Windows*	\$1,499	\$600	\$1,200	\$400	Lin and Win: C++ Compiler Pro, MKL, IPP, TBB, VTune & Thread Profiler, Thread Checker
Intel® Cluster Studio for Linux*	\$1,849	\$739	\$1,200	\$599	Lin: Fortran Compiler Pro, C++ Compiler Pro, Compiler Suite, MKL, ITAC, MPI Library, ICT, ICTE

Customers with an expired maintenance must purchase a Maintenance Renewal (SSR) of the component in addition to the Upgrade

NEW PRODUCTS

	Intel® Parallel Studio XE	Intel® C++ Studio XE	Intel® C++ Composer XE	Intel® Fortran Composer XE	Intel® Composer XE (Suite)	Intel® Integrated Performance Primitives	Intel® Threading Building Blocks	Intel® Math Kernel Library	Intel® Cluster Studio	Intel® MPI Library	Intel® Cluster Toolkit	Intel® VTune™ Amplifier XE	Intel® Inspector XE
Existing Products	Studios		Compilers			Libraries			Cluster Tools			Analysis	
Intel® C++ Compiler Professional Edition	✓	✓	✓		✓				✓				
Intel® Fortran Compiler Professional Edition	✓			✓	✓				✓				
Intel® Compiler Suite	✓				✓				✓				
Intel® Integrated Performance Primitives	✓	✓	✓		✓	✓			✓				
Intel® Threading Building Blocks	✓	✓	✓		✓		✓		✓				
Intel® Math Kernel Library	✓	✓	✓	✓	✓			✓	✓		✓		
Intel® MPI Library									✓	✓	✓		
Intel® Trace Analyzer and Collector									✓		✓		
Intel® Cluster Toolkit									✓		✓		
Intel® Cluster Toolkit Compiler Edition									✓				
Intel® VTune™ Performance Analyzer and Thread Profiler	✓	✓										✓	
Intel® Thread Checker	✓	✓											✓

More Information/Contacts

Product information: <http://software.intel.com/en-us/intel-sdp-home>

Pricing and ordering information: <http://software.intel.com/en-us/articles/intel-software-products-reseller-center/#authorizeddistributors>

Contact Intel: softwarechannel@intel.com

Try a free 30-day trial!

To download a free evaluation of Intel Parallel Studio XE and/or Intel Cluster Studio, visit: www.intel.com/software/products/eval