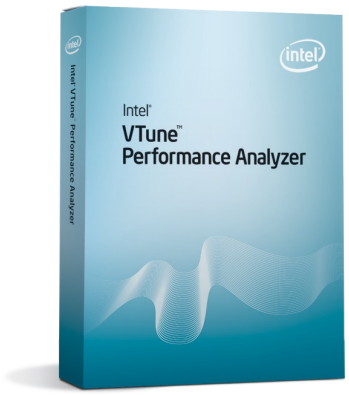
# Intel® VTune™ Performance Analyzer 9.1
for Windows*

## Product Brief

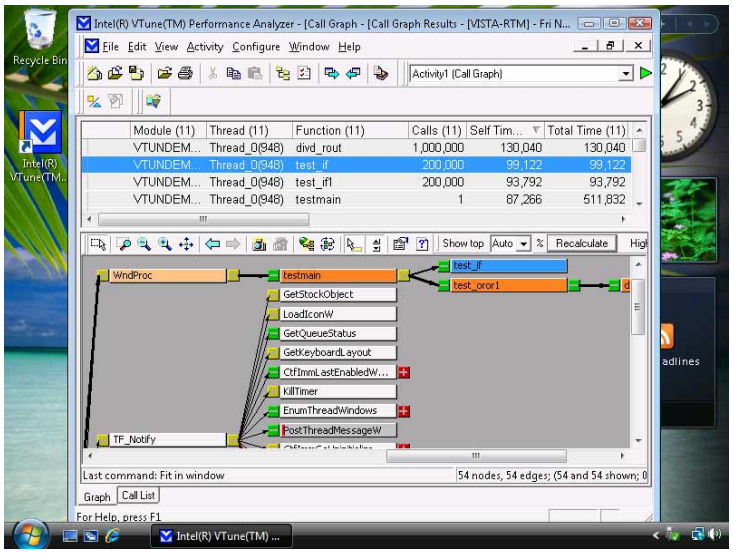
**Intel® VTune™ Performance Analyzer 9.1**
for Windows*



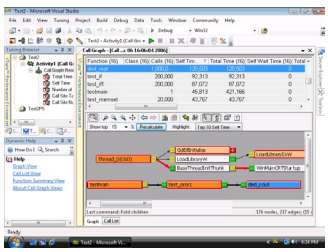

## Deliver Faster Code

Deliver fast software on the latest 64-bit multicore systems. Locate performance bottlenecks without recompilation and with very low overhead (under 5%). Analyze the results using a graphical interface integrated with Visual Studio* and .NET. Quickly drill down to the source to identify problematic lines of code. Tune multi-threaded code for optimum performance on today's multicore processors.

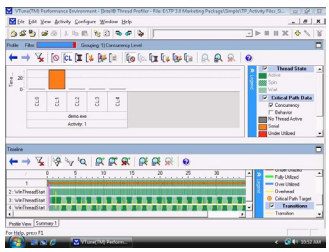
- 32 and 64-bit support for Microsoft Windows Vista*, Windows* XP, and Windows Server*.
- Integrated with Microsoft Visual Studio* 2005 and 2008.
- Supports the latest Intel® quad-core processors.
- Highlights thread overhead and synchronization impact with Intel® Thread Profiler.




Microsoft Windows Vista* compatible



Microsoft Visual Studio* 2008 integration



Intel® Thread Profiler tune for quad-core

## Features

### Low Overhead Sampling Profiling:

System-wide, event-based sampling finds your bottlenecks with low overhead and can be used to tune libraries, drivers, and application programs.

### Call Graph Profiling:

Determines calling sequences and graphically displays the critical path, allowing you to see which functions took the most time to process or were blocked the longest.

### Counter Monitor:

Quickly identify system level performance issues using the Counter Monitor to track system activity and resource consumption during runtime.

### Intel Tuning Assistant:

Increase productivity using Intel Tuning Assistant to automatically provide advice based on extensive knowledge.

### New Events for Tuning Multicore Processors:

Identify opportunities to improve threading, tune multicore sharing of the bus and cache, and optimize cache-line usage.

## Performance

- Source and disassembly views allow you to see the answers on your source by showing you exactly which lines of code are taking the most time.
- The Counter Monitor indicates whether reduced available memory or performance issues associated with file I/O slow down the application.
- Multi-threading support for load balancing and idle time identification.

## Compatibility

Analyze your code's performance on a variety of architectures throughout the development process.

- **Programming Language and Compiler Independent**: Works with all Microsoft and Intel compilers such as C, C++, and Fortran. It also supports Microsoft .NET* 3.0, including C# and Visual Basic.
- **Supports the Latest Intel Processors**, including: Intel® Quad Core™; Intel® Core™2 Duo; Intel® Core™ Duo; and Intel® Core™ Solo.
- **Windows**: 32 and 64-bit support for Microsoft Windows Vista*; Windows* XP; Windows Server*; and Microsoft Visual Studio* 2005 and 2008.

## System Requirements

For details on hardware and software requirements, refer to: www.intel.com/software/products/vtune/vpa/sysreq.htm.

## Support

Every purchase of an Intel Software Development Product includes a year of support services. This includes access to Intel Premier Support and all product updates during that time. Intel Support gives you online access to technical notes, application notes, and documentation.

### About Intel® Software Development Products

Intel Software Development Products can help you easily create the fastest software possible by offering a full suite of tools that include:

- Intel® Compilers
- Intel® VTune™ Performance Analyzers
- Intel® Performance Libraries
- Intel® Threading Analysis Tools
- Intel® Cluster Tools

Visit our Web site at www.intel.com/software/products for details about our entire line of products.

## Case Study

# Tuning Macromedia Flash Player

### The Company:

Macromedia, Inc., San Francisco, CA

### The Challenge:

Make Macromedia Flash Player run faster and improve its Action Script* performance by 1000 percent.

### The Answer:

"VTune Analyzer's ability to quickly summarize the Macromedia Flash Player performance characteristics enabled our engineers to be much more effective at performance tuning within a fixed amount of development time"

Paul Betlem, Director of Engineering,
Macromedia, Inc.

### The Result:

Quick assembly of critical application performance data allowed engineers to achieve their goal of increased speed and performance of their Flash Player.

Learn more about this case study at: www.intel.com/cd/software/products/asmo-na/eng/309784.htm

Download a trial version today.
www.intel.com/software/products/compilers/vtune

Optimized for

Microsoft Visual Studio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