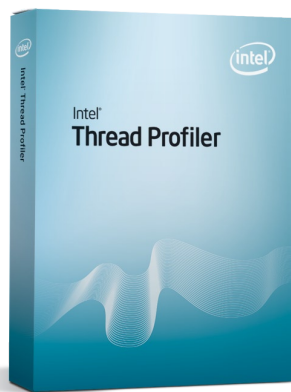




Intel® Thread Profiler 3.1 for Windows*

Product Brief

Intel® Thread Profiler 3.1
for Windows*



“Intel Thread Profiler was very useful for analyzing bottlenecks in our threaded code. Thread Profiler quickly pinpointed problem areas and showed us the reasons for the slowdown, so we were able to restructure the code for better threaded performance.”

Martin Watt
Software Architect
Autodesk

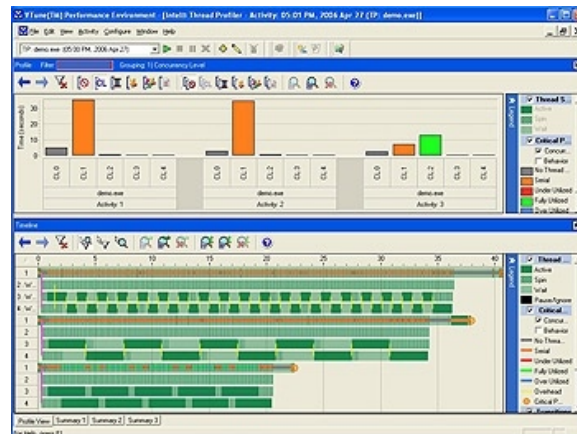
Optimize Threads Faster

Intel® Thread Profiler 3.1 for Windows* helps you tune multi-threaded applications faster for optimal performance on Intel® multicore processors.

Features

Visualize Threaded Application Behavior:

- Timeline view aids in understanding what threads are doing and how they interact
- Pinpoints the exact location of performance issues in call stacks and source code to aid analysis
- Measures the number of cores that are effectively utilized by the application to determine actual parallel performance
- Shows both the concurrency and timeline views simultaneously to help you visualize where application performance issues exist



View Concurrency and Timelines Simultaneously

Identify Parallel Performance Issues:

- Identifies the threads and synchronization objects which impact performance
- Shows the distribution of work to threads and pinpoints load imbalances

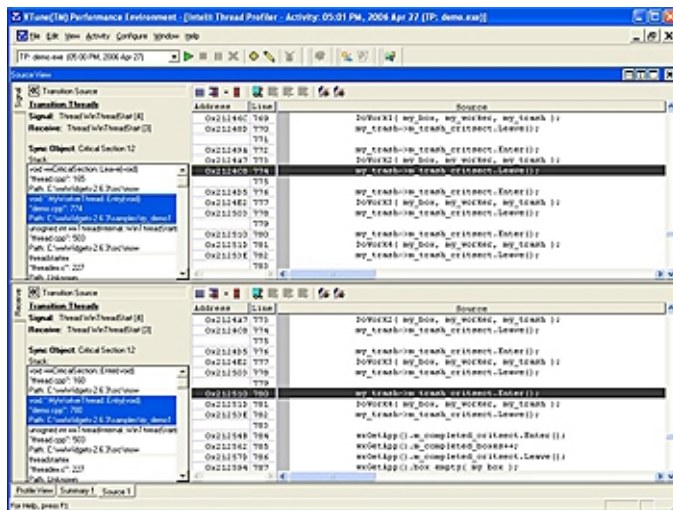
Advanced Thread Profiling Functionality:

- OpenMP* analysis enables quick prototyping and estimation of the performance potential of different designs
- Uses critical path analysis to help focus on more significant performance issues

Performance

Tune multi-threaded code faster, for optimized performance on Intel® multicore processors.

- **Improve performance.** Identify the regions of threaded code most likely to improve performance.
- **Understand thread behavior.** Build performance and scalability into your applications.
- **Drill down to the source code.** Double click on a transition in the timeline view to see exactly where threads are transitioning work in the source code.



Drill to the Source Code to Identify Threading Issues

Compatibility

Intel Thread Profiler 3.1 for Windows is compatible with today's industry-standard development tools:

- Latest Multicore Processors
- Intel® 64 Architecture
- Microsoft Windows Vista*: Compiled 32 and 64-bit applications
- Microsoft Visual Studio*. .NET development environment
- Microsoft Visual C++*. .NET Compiler 2005, 2003, 2002 Editions or Visual C++ 6.0
- Intel® Fortran and C++ Compilers
- Windows threads and POSIX* threads
- Support for OpenMP*

System Requirements

Please refer to www.intel.com/software/products/tpwin/sysreq.htm for details on hardware and software requirements.

Support

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

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- Intel® Performance Libraries
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