



Product Brief

Intel® VTune™ Performance Analyzer 8.0 for Linux*



“Quick analysis with VTune analyzer allows us to maintain consistent performance levels throughout the development cycle when performance problems are still easy to correct.”[§]

Nick Monyatovsky
Abaqus Inc.

Maximize Your Application Performance

Remove performance bottlenecks and achieve higher speeds by identifying lines of code that use excessive resources with Intel® VTune™ Performance Analyzer for Linux*.

Features

Finding your bottleneck is easier than ever

- Get a list of the five most time-consuming functions by just answering a few simple questions. Proceed by clicking on the function name to display the source that is consuming too much time.
- No recompile required. Unlike traditional profilers that make you recompile or modify your build script, just run VTune analyzer with your normal production build.
- Integrated with Eclipse* 3.1[†] development environment—become effective quickly with context sensitive hints.

Sampling and call graph, because you need both

- System-wide event based sampling accurately identifies where the program is spending its time with negligible overhead (typically less than 1 percent).
- Call graph determines calling sequences, wait times and finds the critical path.

Compiled languages, Java* or a mix

- Programming language and compiler independent.
- Java* or a mix of Java and native language code can be analyzed. This is critical if you are using the Java Native Interface (JNI*) or making system calls.

Remote access in secure environments and simplified installation

- Secure remote profiling lets you monitor an embedded system or a production server under workload with minimum performance impact on the target system.
- Both call graph and sampling analyze secure systems with read-only file systems.
- Automatically download drivers for new kernels and operating systems.
- Support for Linux* 2.6 kernels and embedded MontaVista Linux Carrier Grade Edition.*

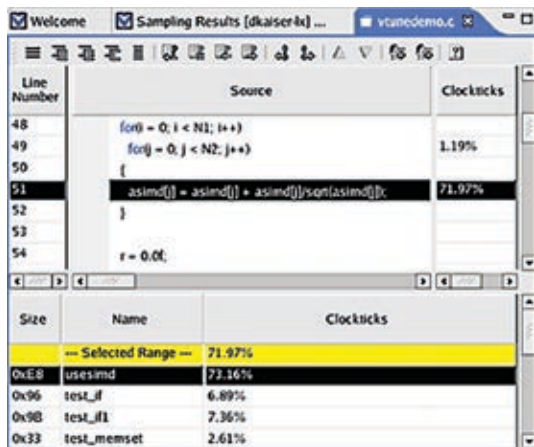
Performance

Intel® VTune™ Performance Analyzer analyzes applications on all sizes of systems based on Intel® processors, from embedded systems through supercomputers, to help you improve application performance.

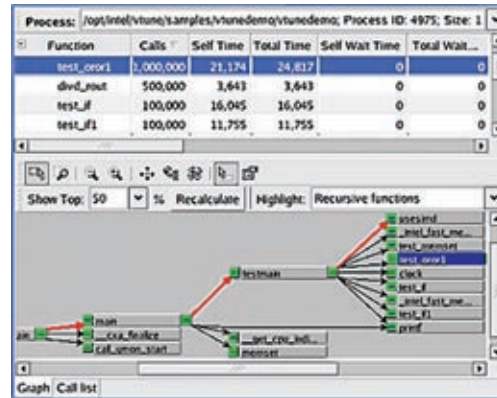
Finding your bottleneck is easier than ever. Get a list of the five most time-consuming functions by completing just one simple dialog box.



One click on a function name displays the source and shows what function is taking all the time. It is fast and easy to find your performance bottlenecks.



Source View shows you exactly which lines of code are taking the most time. Click an icon to view the disassembly for even more detail.



Call Graph determines calling sequences and graphically displays the critical path (shown in red below). Click a table entry to highlight the function in the graph, or click the graph to find the table entry.

Compatibility

VTune Performance Analyzer is programming language and compiler independent with support for all compilers that follow industry object standards (e.g., ELF, STABS, and DWARF), tools and architecture.

System Requirements

Refer to www.intel.com/software/products/vtune/vlin/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® VTune™ Performance Analyzers
- Intel® Performance Libraries
- Intel® Threading Tools
- Intel® Cluster Tools

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⁵ Performance results and views expressed are provided by the customer, and do not necessarily reflect the views of Intel. Performance depends upon the specific computer systems, components and/or measurement methods used; your results will vary. Visit www.intel.com/sites/corporate/tradmarx.htm for more information.

[†]Technical support for Eclipse is not provided by Intel. For more information on Eclipse, please visit the Eclipse Foundation, www.eclipse.org.

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