



Success Story
Intel® Software Partner Program
Multi-Core-Initiative



"KVisu 3.0 presents information from the depths of a company's central data storage in an intuitively understandable form. The high speed of the search is made possible by optimization of KVisu 3.0 for Intel multi-core processors."

– Laurent Baleyudier, Creator and Director, KartOO.

Challenge:

To ensure high speed of a graphical meta-search engine for internal company research

Solution:

Test environment and development tools from the Intel Software Partner Program supported KartOO with the parallel programming of its software KVisu 3.0.

Learn more:

www.intel.com/partner
www.kvisu.com
www.kartoo.net

Master of information with the Intel® Software Partner Program

French company turns to Intel for support with search engine optimization

"We were looking for support from a strong company that, like us, takes an innovative approach. We found what we were looking for in Intel. The Intel Software Partner Program offers us precisely the platform needed for consistent advancement of our software KVisu. In addition, working in partnership with an industry leader like Intel means investment security for us." Laurent Baleyudier, Creator and Director, KartOO

Information mapping: Immediate and intuitive comprehension

KVisu 3.0 is a software that compliments the Google intranet search engines Google Mini™ and Google Search Appliance™. The software makes it possible to rapidly access important information scattered throughout a company's network. The central feature of KVisu 3.0 is its ability to illustrate relationships between different items of information. The search hits are grouped thematically in a separate frame and presented in the form of a simplified map. The relevance of the individual thematic complexes is indicated by the size of the "thematic region". These mapped landscapes speak to the natural human ability to recognize visual interrelationships. Unlike sequentially communicated information, i.e. results presented in a list, the cartographic structure of KVisu 3.0 allows users to identify and determine the importance of related thematic complexes at a glance.

The added ability to sort search results by file type, language, date, relevance or user ratings makes researching even more user-friendly. Moreover, the software generates a summary of the content of the documents found, and permits filtering of results. A search history and the software's own relevance system also serve to improve the search accuracy of the Google search engines.



"We are pleased that KartOO chose to optimize its innovative meta-search engine for multi-core platforms from the earliest stages of development. In combination with the latest Intel processors, the parallel programming of KVisu 3.0 ensures the fastest possible research results."

Peter Rohr, Marketing Manager Software & Solutions Group EMEA.

Optimization support from the Intel Software Partner Program

In order to ensure search results at the quickest possible speed, despite the high system load of the graphical software KVisu 3.0 KartOO's developers conceived the application in parallel code from the very start. For this reason KartOO looked for a new generation multi-core platform for testing, which would allow the company to develop the software directly on the target system.

In the process, KartOO decided to join the Intel Software Partner Program, which provides support to software companies of all shapes and sizes for the planning, development and marketing phases of their products. KartOO was not disappointed: within a very short time, the developers received a Dual-Core Intel® Xeon® processor with 2.4 GHz and 2x4 MB shared cache, on loan for several weeks. *"The test system was an enormous help for us, because it enabled us to develop on precisely the system that we recommend as the ideal platform for our clients,"* says Laurent Baleyrier. *"The non-bureaucratic processes of the Intel Software Partner Program were as convincing to us as the performance of the platform itself:"*

In addition to the hardware support, two Intel development tools – Intel® Threading Building Blocks and Intel® Thread Checker – were important

to the optimization of KVisu 3.0. Both tools were available to KartOO as a convenient download from the Intel website.

The Intel Threading Building Blocks provided a cross-platform runtime library, based on C++ templates, that helped facilitate the development and authoring of the parallel code. Additionally, the programmers had access to pre-programmed, tested and scalable parallel constructs to be used with the code they had already developed. The Intel® Thread Checker also helped the team to detect bugs in the parallel programming. Analysis processes that normally might have taken days to accomplish were completed by the tool in no time. *"We are very satisfied with the development tools from Intel. They helped simplify our work and significantly shortened the development phase,"* says Laurent Baleyrier.

The test results speak for themselves: compared with earlier tests on a dual core platform, the performance of the program was up 50%. The French company is very happy with the result of four enquiries per second achieved after optimization. *"Several companies have already approached us with offers of a partnership. This shows that KartOO is seen as an innovator. No doubt that the technology from Intel and the Intel Software Partner Program have played a role in this,"* says David Legeay, Sales Manager at KartOO.

About the Intel® Software Partner Program

The Intel® Software Partner Program provides a framework for collaborative solution development around Intel architecture. From business planning and product development to marketing and sales, the program drives increased business success and market opportunities.

Success Story by:



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