

PRESS RELEASE

Exa's PowerFLOW Supports Cray XE6 Supercomputers with Excellent Scalability to Thousands of Cores

BURLINGTON, MA, USA [October 18, 2011] Exa[®] Corporation, a global innovator of fluids simulation solutions for product engineering, today announced the release of PowerFLOW[®] 4.3c with support for the Cray XE6 line of supercomputers. This newest release of PowerFLOW allows customers to minimize their simulation turnaround time by scaling to a larger number of cores than any other platform.

“With PowerFLOW on a Cray XE6 or a Cray XE6m supercomputer, our customers can run simulations on thousands of cores to radically reduce turnaround times and answer key design questions quickly without sacrificing accuracy,” remarked Chuck Alexander, Exa’s Director of Product Management for Simulation Products. Using a benchmark representative of a typical automotive case, PowerFLOW simulations running on a Cray XE6 system achieved scaling efficiencies of 82% on 960 cores, 72% on 1,920 cores, and 62% on 3,456 cores—all relative to a 96-core baseline run.

With ever-increasing demand on simulation, users are seeking hardware and software combinations with the performance to deliver fast turnaround times on even the largest, most complex simulations. “We are very excited about the impressive level of performance and scalability that has been demonstrated by PowerFLOW on the Cray XE6 line of supercomputers,” said Barry Bolding, Vice President of Cray’s product division. “As CFD models continue to grow in size and sophistication, our customers expect a dramatic increase in performance. Both the Cray XE6 and Cray XE6m systems, which are designed for extreme scalability in a broad range of CFD environments, have shown that they can deliver the performance gains required by their users. We are very pleased to be working with Exa in delivering this new standard of PowerFLOW performance.”

About Cray Inc.

As a global leader in supercomputing, Cray provides highly advanced supercomputers and world-class services and support to government, industry and academia. Cray technology is designed to enable scientists and engineers to achieve remarkable breakthroughs by accelerating performance, improving efficiency and extending the capabilities of their most demanding applications. Cray’s Adaptive Supercomputing vision is focused on delivering innovative next-generation products that integrate diverse processing technologies into a unified architecture, allowing customers to surpass today’s limitations and meeting the market’s continued demand for realized performance. Go to www.cray.com for more information.



About Exa Corporation

Exa Corporation develops, sells and supports fluid dynamics simulation software and services to enhance product performance, reduce product development costs and improve the efficiency of design and engineering processes. Our simulation solutions enable our customers to gain crucial insights about design performance early in the design cycle, thus reducing the likelihood of expensive redesigns and late-stage engineering changes. As a result, our customers realize significant cost savings and fundamental improvements in their engineering development process. Our products include, PowerFLOW[®], PowerDELTA[®], PowerCLAY[®], PowerVIZ[®], PowerSPECTRUM[®], PowerACOUSTICS[®], PowerINSIGHT[®], PowerCOOL[®] and PowerTHERM[®] along with professional engineering consulting services. A partial customer list includes: AGCO, BMW, Ford, Hyundai, Kenworth, MAN, Nissan, Peterbilt, Renault, Scania, Toyota, Volkswagen, and Volvo Trucks.

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