

Netlist Accelerates MSC.Software Simulation Performance By 21 Percent With Hypercloud Memory

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Memory module increases productivity by helping complex simulations run faster

IRVINE, Calif., Oct. 7 /PRNewswire/ -- Netlist, Inc. (Nasdaq:NLST - News), a designer and manufacturer of high-performance memory subsystems, today announced that its HyperCloud™ memory module is accelerating the performance time of MSC.Software Finite Element Analysis (FEA) simulations. Overcoming memory constraints due to the large number of floating point calculations and large models in every analysis or simulation project, HyperCloud is reducing simulation times for MSC.Software applications by 21 percent.

"Using HyperCloud with our Nastran FEA simulations enables us to eliminate the high levels of input/output wait times and run complex simulations, with large models, greater than 15 million degrees of freedom, faster," said Joe Griffin, development engineer of MSC.Software. "This has led to an overall increase in productivity and the ability to conduct more simulations at a given time per server. With HyperCloud, we also are able to conduct high-performance testing of critical parts and assemblies for products like automobiles and planes, and further design enhancements while decreasing design times."

Scientific modeling, financial analysis, and engineering design users can now launch multiple runs per day and run multiple jobs on a standard two processor server thereby increasing design productivity. Traditionally, these workloads require complex multi-node clusters which lead to increased datacenter costs.

"MSC.Software's validation of the performance benefits that HyperCloud delivers to high-performance computing applications is helping engineers solve their most complex design problems," said Steve McClure, vice president of marketing at Netlist. "We are excited to work alongside MSC.Software in removing the memory barriers our mutual customers encounter when modeling complex real world aerodynamic, mechanical impact, or heat transfer interactions."

Additionally, with HyperCloud, MSC.Software is now able to more accurately analyze structural responses to design factors, such as stress, strain, vibration, displacement and temperature.

Utilizing a patented architecture with advanced ASICs, HyperCloud allows memory to be populated at higher densities and speeds versus standard JEDEC RDIMMs. As the first RDIMM compatible memory designed specifically to overcome the bottlenecks manifested in today's 64-bit processors, HyperCloud reduces cache misses that are common when simulating large models.

HyperCloud product information and a joint MSC.Software and Netlist whitepaper detailing the performance results and test methodology can be found at: www.netlist.com/hypercloud

About MSC Software:

MSC.Software is a worldwide leader of multidiscipline simulation solutions that help companies improve quality, save time and reduce costs associated with designing and testing manufactured products. MSC.Software works with thousands of companies worldwide to develop better products faster with simulation technology, software, and services. MSC.Software is a global company with offices in 20 countries. For additional information about MSC.Software's products and services, please visit the company's website at www.mscsoftware.com.

About Netlist:

Netlist, Inc. designs and manufactures high-performance, logic-based memory subsystems for datacenter server and high-performance computing and communications markets. Netlist's flagship products include HyperCloud Memory, which breaks traditional memory barriers and NetVault, a flash memory-based subsystem that enables data retention weeks following a disaster. The memory technologies are developed for applications in which high-speed, high-capacity memory, enhanced functionality, small form factor, and heat dissipation are key requirements. These applications include tower-servers, rack-mounted servers, blade servers, high-performance computing clusters, engineering workstations, and telecommunication equipment. Founded in 2000, Netlist is headquartered in Irvine, California with manufacturing facilities in Suzhou, People's Republic of China. For more information, visit the company's website at www.netlist.com.

Safe Harbor Statement:

This news release contains forward-looking statements regarding future events and the future performance of Netlist. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those expected or projected. These risks and uncertainties include, but are not limited to, continuing development, qualification and volume production of NetVault™ NV and HyperCloud™; the rapidly-changing nature of technology; risks associated with intellectual property, including the costs and unpredictability of litigation over infringement of our intellectual property; volatility in the pricing of DRAM ICs and NAND; changes in and uncertainty of customer acceptance of, and demand for, our existing products and products under development, including uncertainty of and/or delays in product orders and product qualifications; delays in the Company's and its customers' product releases and development; introductions of new products by competitors; changes in end-user demand for technology solutions; the Company's ability to attract and retain skilled personnel; the Company's reliance on suppliers of critical components; fluctuations in the market price of critical components; evolving industry standards; and the political and regulatory environment in the People's Republic of China. Other risks and uncertainties are described in the Company's annual report on Form 10-K, dated February 19, 2010, and subsequent filings with the U.S. Securities and Exchange Commission made by the Company from time to time. Except as required by law, Netlist undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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