IBM posts SPECjbb2005 scores for HX5 blade server

HX5 delivers competitive two- and four-processor performance for a blade running Java-based applications

April 6, 2011 ... IBM® today announced benchmark results for the IBM BladeCenter® HX5 server running SPECjbb®2005 (Java™ Business Benchmark), the SPEC® benchmark used for evaluating the performance of servers running typical Java applications.

The HX5 achieved a two-processor score of 1,301,194 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 130,119 SPECjbb2005 bops/JVM. The HX5 was configured with the 10-core Intel Xeon Processor E7-4870 (2.40GHz 30MB L3 cache per processor—2 chips/20 cores/10 cores per chip), 128GB of memory, one 50GB disk drive, and IBM J9 Java 6 (using a 1875MB heap), and Microsoft Windows Server 2008 R2 Enterprise x64 Edition. (1)

The HX5 achieved a four-processor score of 2,581,033 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 129,052 SPECjbb2005 bops/JVM. The HX5 was configured with the 10-core Intel® Xeon® Processor E7-4870 (2.40GHz 30MB L3 cache per processor—4 chips/40 cores/10 cores per chip), 256GB of memory, one 50GB disk drive, and IBM J9 Java 6 (using a 1875MB heap), and Microsoft® Windows® Server 2008 R2 Enterprise x64 Edition. (1)

SPECjbb2005 Benchmark	Two Intel Xeon E7-4870 Processors – 2.40GHz	Four Intel Xeon E7-4870 Processors – 2.40GHz
SPECjbb2005 bops	1,301,194	2,581,033
SPECjbb2005 bops/JVM	130,119	129,052

The IBM BladeCenter HX5 leverages eX5, the fifth generation of IBM Enterprise X-Architecture, and combines exceptional processing power, memory capacity, and I/O bandwidth in a blade form factor. The scalable HX5 blade server provides maximum utilization, performance, and reliability for compute- and memory-intensive workloads such as database, virtualization, business intelligence, modeling and simulation, and other enterprise applications. The HX5 is a single-wide (30 mm), scalable, high-performance blade server that can accommodate two Intel Xeon E7-2800 Series processors and 16 DDR3 VLP DIMMs per single-wide node. In the double-wide form factor, the HX5 can accommodate four Intel Xeon E7-4800 Series processors and 32 DIMMs.

Results referenced are current as of April 6, 2011. The SPECjbb2005 results have been submitted to SPEC for review. Upon successful review, the result will be posted at www.spec.org. View current SPECjbb2005 results at http://www.spec.org/jbb2005/results.

(1) The HX5 model using the Intel Xeon E7-4870 processor is planned to be generally available May 27, 2011. The HX5 as configured for this benchmark will be available May 27, 2011.