IBM posts SPECjbb2005 benchmark scores for x3850 X5 server

x3850 X5 delivers leadership 4-socket x86 performance for Java-based applications

March 30, 2010 ... IBM® today announced leadership SPECjbb®2005 benchmark results for the IBM System x® 3850 X5 server. The x3850 X5, using IBM J9 Java™6 Runtime Environment, achieved a score of 2,012,730 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 125,796 SPECjbb2005 bops/JVM (total of 16 JVMs), running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark used for evaluating the performance of servers running typical Java applications. This is the highest SPECjbb2005 score ever achieved by a 4-socket x86 server.

The x3850 X5 was configured with the Intel® Xeon® Processor X7560 (2.26GHz with 24MB L3 cache per processor—4chips/32 cores/8 cores per chip), 256GB of memory, one 73GB disk drive, and IBM J9 Java 6 (using a 1875MB heap), and Microsoft® Windows® Server 2008 R2 Enterprise x64 Edition. (1)

The x3850 X5 server leverages fifth-generation IBM Enterprise X-Architecture®, delivering innovation with enhanced reliability and availability features to enable optimal performance for databases, enterprise applications, and virtualized environments. The x3850 X5 is a versatile 4-socket, 4U rack-optimized scalable enterprise server that supports up to 1TB of memory. In addition to higher levels of function than its predecessors, the x3850 X5 offers up to 8-socket (64-core) SMP operations with powerful 4-, 6-, and 8-core Intel Xeon MP processors and up to 3TB of system memory in an 8-socket (64-core) complex. This system is ideal for clients who require additional SMP capability or greater scalability for future growth.

Results referenced are current as of March 30, 2010. 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 x3850 X5 model using the Intel Xeon X7560 processor is planned to be generally available March 31, 2010. The x3850 X5 as configured for this benchmark will be available March 31, 2010.