IBM posts SPECjbb2005 benchmark scores for x3850 X5 server

x3850 X5 delivers competitive four-socket x86 performance for Java-based applications

April 6, 2011 ... IBM® today announced 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 2,582,363 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 129,118 SPECjbb2005 bops/JVM (total of 20 JVMs), running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark used for evaluating the performance of servers running typical Java applications.

The x3850 X5 was configured with the Intel® Xeon® Processor E7-4870 (2.40GHz with 30MB L3 cache per processor—4 chips/40 cores/10 cores per chip), 512GB 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 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 6-, 8- and 10-core Intel Xeon MP processors and up to 3TB of system memory in an 8-socket (64-core) complex. The optional IBM MAX5 for System x—a scalable, 1U, memory expansion drawer—provides an additional 32 DIMM slots with a memory controller for added performance and a node controller for x3850 scalability.

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 x3850 X5 model using the Intel Xeon E7-4870 processor is planned to be generally available May 20, 2011. The x3850 X5 as configured for this benchmark will be available May 20, 2011.

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