

IBM posts score for x3755 server on SPECjbb2005 benchmark

x3755 delivers competitive SPECjbb2005® score for an x86 server using three processors

February 10, 2009 ... IBM® has published SPECjbb2005® benchmark results for the IBM System x® 3755 server, a 4-socket system that incorporates the latest quad-core AMD Opteron™ processor technology.

The x3755, using IBM Java™ 6 Runtime Environment, achieved a score of 546,564 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 182,188 SPECjbb2005 bops/JVM, running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark for evaluating the performance of servers running typical Java applications.

The x3755, using only three processors, outscored 4-socket systems from Dell and Sun Microsystems, each of which used four Intel® Xeon® X7460 processors. (1)

The x3755 was configured with the quad-core AMD Opteron processor Model 8384 at 2.7GHz with 2MB L2 cache and 6MB L3 cache (3 chips/12 cores/4 cores per chip), 48GB of memory, one 36.4GB disk drive, and IBM Java 6 (using a 1475MB heap), and Microsoft® Windows® Server 2008 Enterprise Edition (32-bit) SP2. (2)

The IBM System x3755 server is optimized for reducing and managing complexity, improving business performance, building competitive advantage and driving business growth. The highly manageable, 4U, rack-optimized platform features two, three, or four quad-core, SMP-capable processors for high memory-intensive performance at an affordable price. Using IBM's CPU PassThru card this system offers unmatched flexibility, performance, and price with a 3-processor configuration.

Results referenced are current as of February 10, 2009. The SPECjbb2005 results have been submitted to SPEC® for review. Upon successful review, the result will be posted at www.spec.org. Current SPECjbb2005 results can be found at <http://www.spec.org/jbb2005/results>.

(1) Dell PowerEdge 900: 508,240 SPECjbb2005 bops and 127,060 SPECjbb2005 bops/JVM, using four Intel Xeon X7460 processors at 2.66GHz (4 chips/24 cores/6 cores per chip), 48GB of memory, two 36GB disk drives, and Oracle JRockit 5.0, using a 3.65GB heap.

Sun Microsystems Sun Fire X4450: 531,669 SPECjbb2005 bops and 132,917 SPECjbb2005 bops/JVM, using four Intel Xeon X7460 processors at 2.66GHz (4 chips/24 cores/6 cores per chip), 48GB of memory, one 146GB disk drive, and Java HotSpot™ 32-Bit Server VM on Solaris, using a 3.35GB heap.

Statements of comparison made above are based on the best SPECjbb2005 scores for 4-socket systems using x86-based processors. Competitive benchmark results stated above reflect results published on www.spec.org as of February 10, 2009.

(2) Planned availability for the IBM System x3755 using the quad-core AMD Opteron processor Model 8384 is March 6, 2009.

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