IBM publishes world-record 4-processor performance and price/performance results on TPC-E benchmark

IBM® System x™ 3850 M2 delivers highest 4-processor performance and overall best price/performance on TPC-E

September 15, 2008 ... IBM has published the highest 4-processor result ever achieved on the TPC-E benchmark. The IBM System x 3850 M2 server achieved 729.65 tpsE (transactions per second E) at $457.27 USD / tpsE—the lowest price per transaction to date. (1) The tpsE is the total number of trade-result transactions *per second* that the server can sustain over a period of time.

This latest TPC-E result demonstrates the leadership performance that is possible with the combined power of IBM's exclusive fourth-generation X-Architecture® and the latest Intel® Xeon® technology.

The x3850 M2's 4-processor results easily beat the Dell PowerEdge R900's 671.35 tpsE and $500.55 USD /tpsE—more than 8% higher performance and 4% lower price/performance. (2)

The x3850 M2 also delivered more transactions and better price/performance than the similarly configured Fujitsu Siemens Computers PRIMERGY RX600's 721.40 tpsE at $459.71 USD/tpsE. (3)

The x3850 M2's 729.65 tpsE result was achieved using Microsoft® SQL Server 2008 Enterprise x64 Edition and Microsoft Windows® Server 2008 Enterprise x64 Edition. The x3850 M2 server was configured with the Intel Xeon Processor X7460 at 2.66GHz with 9MB L2 cache and 16MB L3 cache per processor (4 processors/24 cores/24 threads).

The TPC Benchmark E (TPC-E) is an On-Line Transaction Processing (OLTP) workload that uses a mixture of read-only and update-intensive transactions that simulate the activities of complex OLTP application environments. The TPC-E benchmark, launched by the Transaction Processing Performance Council in March 2007, is designed to enable clients to more objectively measure and compare performance and price of various OLTP systems.

Results referenced are current as of September 15, 2008. To view all TPC results, visit www.tpc.org.

(1) IBM System x3850 M2 with the Intel Xeon Processor X7460 2.66GHz (4 processors/24 cores/24 threads), 729.65 tpsE, $457.27 USD / tpsE, total solution availability of October 10, 2008.

(2) Dell PowerEdge R900 with Intel Xeon Processor X7460 2.66GHz (4 processors/24 cores/24 threads), 671.35 tpsE, $500.55 USD / tpsE, total solution availability of September 15, 2008.

(3) Fujitsu Siemens Computers PRIMERGY RX600 with Intel Xeon Processor X7460 2.66GHz (4 processors/24 cores/24 threads), 721.40 tpsE, $459.71 USD/tpsE, total solution availability of January 1, 2009.