

## **IBM shatters all records for 4-processor server performance on the TPC-C benchmark**

*IBM® System x™ 3850 M2 delivers more transactions per minute than any other 4-processor server*

September 15, 2008 ... IBM has delivered world-record performance for a server using 4 processors on the TPC-C benchmark. The IBM System x™ 3850 M2 server, built with IBM's exclusive fourth-generation X-Architecture® and powered by the new Intel® Xeon® Processor X7460, has posted the highest TPC-C result ever achieved by a server using only 4 processors.

The x3850 M2 server achieved 684,508 tpmC on the TPC-C online transaction processing benchmark (1), a 32% increase over the previous-generation 4-processor result of 516,752 tpmC. (2)

The x3850 M2's new result bests—by more than 7 percent—the recent publication of 634,825 tpmC on the HP ProLiant DL580G5, which was also configured with Intel's new Xeon Processor X7460 (4 processors/24 cores/24 threads). (3) The x3850 M2 also holds a 45% performance advantage over the 4-processor HP ProLiant DL585G5 at 471,883 tpmC. (4)

For this benchmark result, the x3850 M2 server used the Intel Xeon Processor X7460 at 2.66GHz with 9MB L2 cache and 16MB L3 cache per processor (4 processors/24 cores/24 threads) and ran Microsoft® SQL Server 2005 Enterprise x64 Edition (SP2) and Microsoft Windows® Server 2003 R2 Enterprise x64 Edition (SP2). The x3850 M2 accessed the database via the IBM System Storage™ DS4800 subsystem, which attached a total of 95 terabytes of Fibre Channel storage.

Results referenced are current as of September 15, 2008. To view all TPC benchmark results, visit [www.tpc.org](http://www.tpc.org).

(1) IBM System x3850 M2 with the Intel Xeon Processor X7460 2.66GHz (4 processors/24 cores/24 threads), 684,508 tpmC, \$2.58 USD / tpmC, total solution availability of October 31, 2008.

(2) IBM System x3850 M2 with the Intel Xeon Processor X7350 2.93GHz (4 processors/16 cores/16 threads), 516,752 tpmC, \$2.59 USD / tpmC, total solution availability of March 14, 2008.

(3) HP ProLiant DL580G5 with four Intel Xeon Processor X7460 2.66GHz (4 processors/24 cores/24 threads), 634,825 tpmC, \$1.10 USD / tpmC, availability of September 15, 2008.

(4) HP ProLiant DL585G5 with four AMD 8360 SE 2.5 GHz QC processors (4 processors/16 cores/16 threads), 471,883 tpmC, \$1.17 USD / tpmC, total solution availability of July 14, 2008.

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