

## **IBM posts world-record 4-processor result on Linux on two-tier SAP SD standard application benchmark**

*IBM System x3850 X5 and DB2 9.7 with Red Hat Enterprise Linux 6 deliver leadership 4-processor result*

February 15, 2012 ... IBM® today announced a world-record 4-processor result on Linux® on the two-tier SAP® Sales and Distribution (SD) standard application benchmark. This new result was achieved on the IBM System x®3850 X5, running IBM DB2® 9.7 and Red Hat® Enterprise Linux 6.2, and SAP enhancement package 4 for the SAP ERP application Release 6.0.

The x3850 X5 achieved 12,560 SAP SD benchmark users with 0.99 seconds average dialog response time, 68,580 SAPS, measured throughput of 4,115,000 dialog steps per hour (or 1,371,670 fully processed line items per hour), and an average CPU utilization of 98% for the central server. (1)

The x3850 X5's result beats the previous-best four-processor result of 12,204 SAP SD benchmark users on Linux achieved by the HP ProLiant DL580 G7. (2)

The x3850 X5 was configured with four Intel® Xeon® E7-8870 processors at 2.40GHz with 30MB shared L3 cache per processor (4 processors/40 cores/80 threads), 512GB of memory, 64-bit DB2 9.7, Red Hat Enterprise Linux 6.2, and SAP enhancement package 4 for SAP ERP 6.0. The server accessed the DB2 9.7 database on an IBM System Storage® DS4800 disk system.

Results referenced are current as of February 15, 2012. For the latest SAP benchmark results, visit: <http://www.sap.com/benchmark>.

(1) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2012006). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Research Triangle Park, NC, USA, by IBM engineers.

(2) Statement of comparison is based on highest-performing system using four Intel Xeon processors and running Linux and the SAP enhancement package 4 for SAP ERP 6.0. Minimum data for the HP ProLiant DL580 G7 results on the two-tier SAP SD standard application benchmark: 4 processors/40 cores/80 threads, Intel Xeon Processor E7-4870, 2.40GHz, 64KB L1 cache and 256KB L2 cache per core, 30MB L3 cache per processor, 512GB main memory, SUSE Linux Enterprise Server 11 SP1, SAP MaxDB™ database 7.8, and SAP enhancement package 4 for SAP ERP 6.0. Certification number 2011031.

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