IBM posts leadership 4-processor/16-core result on two-tier SAP SD Standard Application Benchmark

x3850 M2 sets new record for 4-processor/16-core performance on two-tier SAP SD Standard Application Benchmark

November 28, 2007 ... IBM® has published a leadership 4-processor/16-core result on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark of 3,780 SAP SD Benchmark users. This result was achieved by the IBM System x™ 3850 M2, using the IBM System Storage™ DS4800, and running DB2® 9 and the SAP ERP Release 6.0 application. (1)

The x3850 M2's user result is the highest published to date for a 4-processor/16-core system on the two-tier SAP SD Standard Application Benchmark. The x3850 M2's result beats the HP ProLiant DL580 G5's result of 3,705 SAP SD Benchmark users. (2)

The x3850 M2 achieved 3,780 SAP SD Benchmark users with 1.99 seconds average dialog response time, 18,920 SAPS, measured throughput of 378,330 dialog steps per hour (or 1,135,000 fully processed line items per hour), and an average CPU utilization of 98 percent.

The x3850 M2 used the Quad-Core Intel® Xeon® Processor X7350 at 2.93GHz with 4MB L2 cache per 2 cores (4 processor/16 cores/16 threads), 64GB of memory, 64-bit DB2 9, Microsoft® Windows® Server 2003 Enterprise Edition, and SAP ERP 6.0. The x3850 M2 server accessed the DB2 9 database via the IBM System Storage DS4800 disk system**,** designed for performance, high availability and scalability. (3)

Results referenced are current as of November 28, 2007. For the latest SAP Benchmark results, visit 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 2007068). Details can be obtained from IBM and SAP AG. The benchmark was performed at IBM in RTP, NC, USA, by IBM engineers.

(2) The configuration of the ProLiant DL580 G5 on the two-tier SAP SD Standard Application Benchmark was as follows: 4 processors/16 cores/16 threads, Quad-Core Intel Xeon Processor X7350 at 2.93GHz with 4MB L2 cache per 2 cores, 64GB of memory, Microsoft SQL Server 2005, Microsoft Windows Server 2003 Enterprise Edition, and SAP ERP 6.0. Certification number 2007056.

(3) Planned availability for the IBM System x3850 M2 is December 7, 2007.