IBM posts leadership 4-processor, two-tier SAP SD Standard Application Benchmark result on Linux

x3850 M2 and DB2® 9.5 set world record for 4-processor, two-tier SAP® SD Standard Application Benchmark result on Linux®

November 18, 2008 ... IBM® today announced a leadership 4-processor, two-tier SAP Sales and Distribution (SD) Standard Application Benchmark result on Linux. The result of 5,156 SAP SD Benchmark users was achieved on the IBM System x™ 3850 M2, configured with four Intel® Xeon® X7460 processors, and using the IBM System Storage™ DS4700 and running IBM DB2 9.5 and the SAP ERP application Release 6.0.

The x3850 M2 achieved 5,156 SAP SD Benchmark users with 1.97 seconds average dialog response time, 25,850 SAPS, measured throughput of 1,551,000 dialog steps per hour (or 517,000 fully processed line items per hour), and an average CPU utilization of 98 percent for the central server. (1)

The x3850 M2's result with DB2 9.5 on Linux beats the leading 4-processor result on Windows, held by HP at 5,155 SAP SD Benchmark users, which was achieved by the ProLiant DL580 G5's with Microsoft® SQL Server 2005. (2)

The x3850 M2 was configured with four Intel Xeon X7460 processors, 2.66GHz with 9MB L2 cache (3MB per 2 cores) and 16MB L3 cache (4 processors/24 cores/24 threads), 64GB of memory, 64-bit DB2 9.5, Red Hat Enterprise Linux Server 5, and SAP ERP 6.0. The server accessed the DB2 9.5 database on the storage managed by an IBM System Storage DS4700 disk system.

Results referenced are current as of November 18, 2008. 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 2008066). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Research Triangle Park, NC, USA, by IBM engineers.

(2) Configuration of the HP ProLiant DL580 G5 on the two-tier SAP SD Standard Application Benchmark: 4 processors/24 cores/24 threads, Intel Xeon Processor X7460 at 2.66GHz with 9MB (3MB 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 2008050.