IBM posts leadership 2-processor, two-tier SAP SD Standard Application Benchmark result

x3650 M2 and DB2® 9.5 achieve leadership 2-processor, two-tier SAP® SD Standard Application Benchmark result

March 30, 2009 ... IBM® today announced a leadership 2-processor, two-tier SAP Sales and Distribution (SD) Standard Application Benchmark result. The result of 5,100 SAP SD Benchmark users was achieved on the IBM System x™ 3650 M2, configured with two Intel® Xeon® X5570 processors, and using the IBM System Storage™ DS4800 and running IBM DB2 9.5 and the SAP ERP application Release 6.0.

The x3650 M2 achieved 5,100 SAP SD Benchmark users with 1.98 seconds average dialog response time, 25,530 SAPS, measured throughput of 1,532,000 dialog steps per hour (or 510,670 fully processed line items per hour), and an average CPU utilization of 99 percent for the central server. (1)

The x3650 M2's 2-processor result of 5,100 SAP SD Benchmark users beats the score of 4,995 SAP SD Benchmark users achieved by the HP ProLiant DL380 G6 using the same processors and the same amount and type of memory. (2)

The x3650 M2 was configured with two Intel Xeon X5570 processors, 2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor (2 processors/8 cores/16 threads), 48GB of memory, 64-bit DB2 9.5, Microsoft® Windows® Server 2003 Enterprise x64 Edition, and SAP ERP 6.0. The server accessed the DB2 9.5 database on the storage managed by an IBM System Storage DS4800 disk system.

Results for the x3650 M2 were published December 19, 2008; all results referenced are current as of March 30, 2009. 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 2008079). 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 DL380 G6 on the two-tier SAP SD Standard Application Benchmark: 2 processors/8 cores/16 threads, Quad-Core Intel Xeon Processor X5570 at 2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor (2 processors/8 cores/16 threads), 48GB of memory, Microsoft SQL Server 2005, Microsoft Windows Server 2003 Enterprise Edition, and SAP ERP 6.0, certification number 2008071.