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

x3950 M2 and DB2 9.5 set world record for 16-processor result achieved on two-tier SAP® SD Standard Application Benchmark

May 20, 2008 ... IBM® today announced a leadership 16-processor result on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark. The result of 10,600 SAP SD Benchmark users was achieved on the IBM System x™ 3950 M2 configured with 16 Quad-Core Intel® Xeon® Processor X7350 and using the IBM System Storage™ DS4800, and running IBM DB2® 9.5 and the SAP ERP Release 6.0 application.

The x3950 M2 achieved 10,600 SAP SD Benchmark users with 1.78 seconds average dialog response time, 53,980 SAPS, measured throughput of 3,239,000 dialog steps per hour (or 1,079,670 fully processed line items per hour), and an average CPU utilization of 82 percent for the central server. (1)

The x3950 M2's 16-processor 64-Core result of 10,600 SAP SD Benchmark users beats Fujitsu Siemens Computers' recent two-tier SAP SD Standard Application Benchmark result of 10,400 SAP SD Benchmark users on the Fujitsu Siemens Computers PRIMEQUEST 580A using 32 Dual-Core Intel Itanium® 9150M processors (32 processors/64 cores/128 threads). (2)

The x3950 M2 was configured with 16 Quad-Core Intel Xeon X7350 processors, 2.93GHz with 4MB L2 cache per 2 cores (16 processors/64 cores/64 threads), 256GB of memory, 64-bit DB2 9.5, Microsoft® Windows Server 2003 Datacenter 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 referenced are current as of May 20, 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 2008030). 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 Fujitsu Siemens Computers PRIMEQUEST 580A on the two-tier SAP SD Standard Application Benchmark: 32 processors/64 cores/128 threads, Dual-Core Intel Itanium Processor 9150M at 1.66GHz with 4MB L2 cache per two cores, 512GB of memory, Microsoft SQL Server 2005 Enterprise x64 Edition, Microsoft Windows Server 2003 Datacenter Edition, and SAP ERP 6.0, certification number 2008023.