xSeries 445 server delivers leadership performance running the latest two-tier SAP Standard Application SD Benchmark

August 4, 2003 ... The IBM® @server™ xSeries® 445 server, announced worldwide in July (1), delivered leadership performance on the two-tier SAP® Standard Application Sales and Distribution (SD) Benchmark, running SAP R/3® Enterprise Release 4.70.

The x445 server achieved a leadership number of 950 SAP SD Benchmark users with 1.88 seconds average dialog response time, measured throughput of 288,000 dialog steps per hour (or 96,000 fully business processed order line items per hour), and an average CPU utilization of 99 percent for the central server.(2)

The x445 was configured with eight Intel® Xeon™ MP processors at 2.8GHz with 2MB L3 cache, 16GB of main memory, and ran IBM DB2® Universal Database, Microsoft® Windows® Server 2003 Enterprise Edition, and SAP Standard Application SD Benchmark, R/3 Enterprise Release 4.70.

The x445's new 8-way result demonstrates excellent scalability from four to eight processors. Using eight processors, the x445 supported 80 percent more SAP SD Benchmark users than its leading result of 525 SAP SD Benchmark users achieved with four 2.8GHz Xeon MP processors.(3) When compared to HP's 4-way result of 491 SAP SD Benchmark users achieved with same processor, the x445 server's 8-way result is more than 93 percent better.(4)

For the latest SAP results, visit www.sap.com/benchmark.

For information about DB2 visit www.ibm.com/software.

Results referenced are current as of August 4, 2003.

(1) The x445 server is generally available.
(2) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG. Details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.
(3) The x445 server was configured with four 2.8 GHz/2MB Intel Xeon MP processors and 8GB of memory and ran Microsoft Windows Server 2003 Enterprise Edition, DB2 UDB 8.1, and SAP R/3 Enterprise 4.70. Benchmark results were 1.97 seconds average response time, 52,670 fully business processed order line items and 95 percent CPU utilization.
(4) The hp ProLiant DL560 was configured with four 2.8GHz/2MB Intel Xeon MP processors and 12GB of memory, and ran SuSE Linux Enterprise Server 8, Oracle 9i, and SAP R/3 Enterprise 4.70. Benchmark results were 1.97 average response time, 49,330 fully business processed order line items and 85 percent CPU utilization.