IBM announces new results for two-tier SAP Standard Application SD Benchmark

November 10, 2003 ... IBM® today announced performance results for the IBM @server® xSeries® 445 and the new xSeries 455 on the two-tier SAP® Standard Application Sales and Distribution (SD) Benchmark, running SAP R/3® Enterprise Release 4.70. Both servers used IBM DB2® Universal Database 8.1 and Microsoft® Windows® Server 2003.

Demonstrating the best 16-way SAP Standard Application SD two-tier result on Windows, the x445 server and DB2 achieved 1,520 SAP SD Benchmark users with 1.98 seconds average dialog response time, measured throughput of 457,000 dialog steps per hour (or 152,330 fully processed line items per hour), and an average CPU utilization of 99 percent for the central server. The x445 used 16 Intel® Xeon[TM] processors MP at 2.8GHz/2MB, 32GB of memory, DB2 UDB 8.1, Microsoft Windows Server 2003 Datacenter Edition, and SAP Standard Application SD Benchmark, R/3 Enterprise 4.70. (1)

This 16-way result demonstrates scalability of 60 percent from eight to sixteen processors, based on the best 8-way SAP Standard Application SD two-tier result on Windows of 950 SAP SD Benchmark users. (2)

The x455 and DB2 delivered strong performance for a 4-way Intel Itanium[TM] 2 processor-based server, supporting 655 SAP SD Benchmark users with 1.86 seconds average dialog response time, measured throughput of 199,000 dialog steps per hour (or 66,330 fully processed line items per hour), and an average CPU utilization of 99 percent for the central server. The x455 used four Intel Itanium 2 processors at 1.5GHz/6MB, 16GB of memory, IBM DB2 UDB 8.1, Microsoft Windows Server 2003 Enterprise Edition, and SAP Standard Application SD Benchmark, using SAP R/3 Enterprise 4.70. (3)

Results referenced are current as of November 10, 2003.

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

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

(1) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2003056). Details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.

(2) The 950 SAP SD Benchmark user result (certification number 2003040) was achieved by the x445 server, which used eight Intel Xeon processors MP at 2.8GHz/2MB, 16GB of memory, DB2 UDB 8.1, Microsoft Windows Server 2003 Enterprise Edition, and SAP R/3 Enterprise 4.70. Benchmark results were 1.88 seconds average response time, measured throughput of 288,000 dialog steps per hour (or 96,000 fully processed line items), and 99 percent CPU utilization.

(3) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2003057). Details can be obtained from IBM and SAP. The benchmark was performed at Toronto, Canada, by IBM engineers.