



Performance Brief

IBM® @server™ xSeries® 445 and IBM DB2® Universal Database achieve leadership performance on Two-tier SAP® Standard Application Sales and Distribution (SD) Benchmark

June 2003

In recent measurements, the xSeries 445 server achieved leadership performance results for a 2.8GHz Intel® Xeon™ MP processor-based server running Microsoft® Windows® Server 2003 on the two-tier SAP Standard Application SD Benchmark, SAP R/3® Enterprise Release 4.70. (1)

The Benchmark Environment

The x445, using four processors, achieved 525 SAP Standard Application Sales and Distribution (SD) Benchmark users with 1.97 seconds average dialog response time on IBM DB2 Universal Database Version 8.1 and Microsoft Windows Server 2003 Enterprise Server.

The hardware configuration for the 525 SAP SD Benchmark user run consisted of one central server, an x445 server with four 2.8GHz Intel Xeon MP processors with 2MB L3 cache, 8GB of main memory, and 180GB of storage, and running Microsoft Windows Server 2003 Enterprise Edition, IBM DB2 UDB 8.1 and the SAP Standard Application SD Benchmark, running SAP R/3 Enterprise Release 4.70. The measured throughput was 158,000 dialog steps per hour (or 52,670 fully business processed order line items per hour), with an average CPU utilization of 95 percent for the central server.

This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG. Additional details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.

Certification Number	2003035
Hardware Partner	International Business Machines Corp.
Contact Name/e-Mail Address	Param Singh / paramjit @ us.ibm.com
R/3 Release	SAP R/3 Enterprise 4.70
DBMS Version	IBM DB2 UDB Version 8.1
Date	June 26, 2003
Location	Research Triangle Park, NC, USA
Lead Engineers	IBM: Param Singh
Published	Yes

About DB2 Universal Database

DB2 UDB is a proven transactional, relational database that supports OLTP, data warehousing, content management, and information integration all with just one product. DB2 UDB sets the pace for data warehousing applications by integrating text, video, image, audio, XML, and spatial data, simplifying information management and retrieval. And, your DB2 UDB database grows as you grow -- scaling from the smallest data marts to the largest multi-terabyte data warehouse.

For More Information

Visit ibm.com/pc/ww/eserver/xseries for information about IBM products and services.

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

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(1) Planned availability for the x445 server is July 15, 2003.

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