



## Performance Brief

### **IBM® @server® xSeries® 445 and IBM DB2® Universal Database deliver new results on two-tier SAP® Standard Application SD Benchmark**

**November 2003**

*In recent measurements, the xSeries 445 server and DB2 delivered the best 16-way SD two-tier result on Windows®, running SAP Standard Application Sales and Distribution (SD) Benchmark, using SAP R/3® Enterprise Release 4.70.*

#### **The Benchmark Environment**

The x445 and DB2 achieved 1,520 SAP SD Benchmark users with 1.98 seconds average dialog response time. The measured throughput was 457,000 dialog steps per hour (or 152,330 fully processed line items per hour), with an average CPU utilization of 99 percent for the central server.

The hardware configuration for the 1,520 SAP SD Benchmark user run consisted of one central server, an x445 with 16 Intel® Xeon™ processors MP at 2.8GHz with 2MB L3 cache, 32GB of main memory, 222GB of storage, and ran IBM DB2 UDB 8.1, Microsoft® Windows Server 2003 Datacenter Edition, and the SAP Standard Application SD Benchmark, using SAP R/3 Enterprise 4.70.

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.

<b>Certification Number</b>	2003056
<b>Hardware Partner</b>	International Business Machines Corp.
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<b>R/3 Release</b>	SAP R/3 Enterprise 4.70
<b>DBMS Version</b>	IBM DB2 UDB Version 8.1
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## **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, thereby 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**

For information about SAP benchmark results, visit [www.sap.com/benchmark](http://www.sap.com/benchmark).

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