



## Performance Brief

### **IBM® @server® xSeries® 365 and IBM DB2® Universal Database deliver new result on two-tier SAP® SD Standard Application Benchmark**

**January 2004**

*In recent measurements, the xSeries 365 server and DB2 delivered a new 4-way two-tier SAP Sales and Distribution (SD) Standard Application Benchmark result, using SAP R/3® Enterprise Release 4.70.*

#### **The Benchmark Environment**

The x365 and DB2 achieved 562 SAP SD Benchmark users with 1.98 seconds average dialog response time. The measured throughput was 169,000 dialog steps per hour (or 56,330 fully processed line items per hour), with an average CPU utilization of 98 percent for the central server.

The hardware configuration for the 562 SAP SD Benchmark user run consisted of one central server, an x365 with four Intel® Xeon™ processors MP at 2.8GHz with 2MB L3 cache, 8GB of main memory, 340GB of storage, and ran IBM DB2 UDB 8.1, Microsoft® Windows Server 2003 Datacenter Edition, and the SAP SD Standard Application 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>	200403
<b>Hardware Partner</b>	International Business Machines Corp.
<b>Contact Name/e-Mail Address</b>	Michael L. Nelson / mlnelson@us.ibm.com
<b>R/3 Release</b>	SAP R/3 Enterprise 4.70
<b>DBMS Version</b>	IBM DB2 UDB Version 8.1
<b>Date</b>	January 14, 2004
<b>Location</b>	Research Triangle Park, NC, USA
<b>Lead Engineers</b>	IBM: Michael L. Nelson
<b>Published</b>	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, 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).

THE INFORMATION CONTAINED IN THIS DOCUMENT IS DISTRIBUTED ON AN AS IS BASIS WITHOUT ANY WARRANTY EITHER EXPRESSED OR IMPLIED. The use of this information or the implementation of any of these techniques is the customer's responsibility and depends on the customer's ability to evaluate and integrate them into the customer's operational environment. While each item has been reviewed by IBM for accuracy in a specific situation, there is no guarantee that the same or similar results will be obtained elsewhere. Customers attempting to adapt these techniques to their own environment do so at their own risk.

This publication was produced in the United States. IBM may not offer the products, services, or features discussed in this document in other countries, and the information is subject to change without notice. Consult your local IBM representative for information on products and services available in your area.

## Trademarks

IBM, the IBM logo, the eServer logo, xSeries, DB2, and DB2 Universal Database are trademarks or registered trademarks of International Business Machines Corporation.

Intel and Xeon are trademarks or registered trademark of Intel Corporation.

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.

SAP, R/3 and all other SAP product and service names mentioned herein are trademarks or registered trademarks of SAP AG in Germany and in several other countries.

Other company, product, or service names mentioned herein are the trademarks of their respective owners.

Published by the xSeries Server Performance Laboratory, IBM Corp.

© Copyright International Business Machines Corporation 2004. All rights reserved.

Permission is granted to reproduce this document in whole or in part, provided the copyright notice as printed above is set forth in full text at the beginning or end of each reproduced document or portion thereof. Note to U.S. Government Users — Documentation related to restricted rights — Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract with IBM Corp.