

IBM's xSeries server and DB2 deliver new performance results on two-tier SAP SD Standard Application Benchmark

March 2, 2004 ... The IBM® eServer® xSeries® 445, using the latest Intel® Xeon™ Processor MP and running IBM DB2® Universal Database 8.1, delivered new performance results on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark, using SAP R/3® Enterprise Release 4.70.

The x445 demonstrated scalability of 76 percent from 8- to 16-way. Using 8 processors, the x445 achieved 1,165 SAP SD Benchmark users. Using 16 processors the x445 achieved 2,050 SAP SD Benchmark users. The 16-way x445 result is the number-two 16-way SD 2-tier result on Windows behind HP's recently published 16-way Itanium 2 result of 2,160 SAP SD Benchmark users. (1)

The x445, using 8 Intel Xeon Processors MP at 3.0GHz/4MB and 16GB of memory, achieved 1,165 SAP SD Benchmark users with 1.97 seconds average dialog response time, measured throughput of 350,000 dialog steps per hour (or 116,670 fully processed line items per hour), and an average CPU utilization of 99 percent for the central server. (2)

The x445, using 16 Intel Xeon Processors MP at 3.0GHz/4MB and 32GB of memory, achieved 2,050 SAP SD Benchmark users with 1.97 seconds average dialog response time, measured throughput of 617,000 dialog steps per hour (or 205,670 fully processed line items per hour), and an average CPU utilization of 98 percent for the central server. (3)

Both 8- and 16-way configurations used IBM DB2 UDB 8.1 and Microsoft® Windows® Server 2003 Datacenter Edition, and ran SAP SD Standard Application Benchmark, R/3 Enterprise 4.70.

Results referenced are current as of March 2, 2004.

For the latest SAP results, visit www.sap.com/benchmark. For information about DB2 visit www.ibm.com/software.

(1) Hewlett-Packard HP Integrity Superdome, 16-way SMP, Intel Itanium 2 1.5GHz, 32 KB L1 cache, 256 KB L2 cache, 6 MB L3 cache, 128GB memory, Microsoft SQL Server 2000, Microsoft Windows Server 2003 Datacenter Edition, two-tier SAP SD Standard Application Benchmark, R/3 Enterprise 4.70, 2,160 SAP SD Benchmark users with 1.93 seconds average dialog response time, measured throughput of 652,000 dialog steps per hour (or 217,330 fully processed line items per hour), certification number 2003064.

(2) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2004010). Details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.

(3) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2004011). Details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.

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