

CERTIFICATION

SAP Standard Application Benchmarks

The SAP SD standard SAP ERP 6.0 (2005) application benchmark performed on July 31, 2008 by IBM in Research Triangle Park, NC, USA was certified on September 08, 2008 with the following data:

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| Number of benchmark users & comp.: | 9,200 SD (Sales & Distribution) |
| Average dialog response time: | 1.95 seconds |
| Throughput: | |
| Fully Processed Order Line items/hour: | 923,330 |
| Dialog steps/hour: | 2,770,000 |
| SAPS: | 46,170 |
| Average DB request time (dia/upd): | 0.014 sec / 0.015 sec |
| CPU utilization of central server: | 99% |
| Operating System central server: | Windows Server 2003 Datacenter Edition |
| RDBMS: | DB2 9.5 |
| SAP ECC Release: | 6.0 |

Configuration:

Central server: IBM System x3950 M2, 8 processors / 48 cores / 48 threads, Intel Xeon Processor MP X7460, 2.66 GHz, 64 KB L1 cache per core and 3 MB L2 cache per 2 cores, 16 MB L3 cache per processor, 128 GB main memory

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