

CERTIFICATION

SAP Standard Application Benchmarks

The SAP SD standard mySAP ERP 2004 application benchmark performed on August 18, 2006 by HP in Houston, TX, USA was certified on August 31, 2006 with the following data:

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|--|---|
| Number of benchmark users & comp.: | 1,911 SD (Sales & Distribution) |
| Average dialog response time: | 1.98 seconds |
| Throughput: | |
| Fully Processed Order Line items/hour: | 191,330 |
| Dialog steps/hour: | 574,000 |
| SAPS: | 9,570 |
| Average DB request time (dia/upd): | 0.043 sec / 0.013 sec |
| CPU utilization of central server: | 98% |
| Operating System central server: | Windows Server 2003 Enterprise Edition (64-bit) |
| RDBMS: | SQL Server 2005 (64-bit) |
| SAP ECC Release: | 5.0 (64-bit) |

Configuration:

Central server: HP ProLiant BL45p G2, 4 processors / 8 cores / 8 threads,
AMD Opteron processor Model 8218 2.6 GHz,
128 KB L1 cache and 1 MB L2 cache per core,
32 GB main memory

Certification Number. 2006066