



CERTIFICATION

SAP® Standard Application Benchmarks

The SAP Sales and Distribution (SD) Standard Application Benchmark performed on August 31, 2009, by Hitachi in Tokyo, Japan, was certified on October 15, 2009, with the following data:

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| Number of SAP SD benchmark users: | 3,120 |
| Average dialog response time: | 0.96 seconds |
| Throughput: | |
| Fully processed order line items per hour: | 341,670 |
| Dialog steps per hour: | 1,025,000 |
| SAPS: | 17,080 |
| Average database request time (dialog/update): | 0.021 sec / 0.029 sec |
| CPU utilization of central server: | 98% |
| Operating system, central server: | Windows Server 2008 Enterprise Edition |
| RDBMS: | SQL Server 2008 |
| SAP Business Suite software: | SAP enhancement package 4 for SAP ERP 6.0 (Unicode) |

Configuration:

Central server: Hitachi HA8000 Model RS220, 2 processors / 8 cores / 16 threads, Intel Xeon Processor X5570, 2.93 GHz, 64 KB L1 cache and 256 KB L2 cache per core, 8 MB L3 cache per processor, 48 GB main memory

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