



CERTIFICATION

SAP® Standard Application Benchmarks

The SAP Sales and Distribution (SD) Standard Application Benchmark performed on July 13, 2009, by Fujitsu in Walldorf, Germany, was certified on August 04, 2009, with the following data:

| | |
|-----------------------------------------------|----------------------------------------------------------|
| Number of SAP SD benchmark users: | 1,144 |
| Average dialog response time: | 0.97 seconds |
| Throughput: | |
| Fully processed order line items per hour: | 125,000 |
| Dialog steps per hour: | 375,000 |
| SAPS: | 6,250 |
| Average database request time (dialog/update) | 0.007 sec / 0.010 sec |
| CPU utilization of central server: | 25% |
| Operating system, central server: | SuSE Linux Enterprise Server 10 on VMware ESX Server 4.0 |
| RDBMS: | MaxDB 7.8 |
| SAP Business Suite software: | SAP enhancement package 4 for SAP ERP 6.0 (Unicode) |

Configuration:

| No. of servers | Usage | Hardware | Segmentation / CPU utilization in virtual machines |
|----------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 1 | Central server | Fujitsu PRIMERGY RX300 S5, 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, 96 GB main memory | 1 virtual machine (VM) using 4 virtual CPUs CPU utilization of VM1 (DB / Dia / Upd / Msg / Enq): 98% |

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