# CERTIFICATION
## SAP® Standard Application Benchmarks

The SAP Sales and Distribution (SD) Standard Application Benchmark performed on May 29, 2013, by NEC in Tokyo, Japan, was certified on June 12, 2013, with the following data:

| | |
|---|---|
| Number of SAP SD benchmark users: | 5,346 |
| Average dialog response time: | 0.92 seconds |
| Throughput: | |
|    Fully processed order line items per hour: | 587,670 |
|    Dialog steps per hour: | 1,763,000 |
|    SAPS: | 29,380 |
| Average database request time (dialog/update): | 0.026 sec / 0.021 sec |
| CPU utilization of central server: | 99% |
| Operating system, central server: | Windows Server 2008 R2 Enterprise Edition |
| RDBMS: | SQL Server 2012 |
| SAP Business Suite software: | SAP enhancement package 5 for SAP ERP 6.0 |

Configuration:

Central server: NEC Express5800 Model R320c-M4, 2 processors / 16 cores / 32 threads, Intel Xeon Processor E5-2670, 2.60 GHz, 64 KB L1 cache and 256 KB L2 cache per core, 20 MB L3 cache per processor, 128 GB main memory

Certification number: 2013015

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