

CERTIFICATION

SAP Standard Application Benchmarks

The SAP SD standard R/3 Enterprise 4.70 application benchmark performed on December 3, 2004 by IBM in Raleigh, NC, USA was certified on December 10, 2004 with the following data:

Number of benchmark users & comp.:	8,512 SD (Sales & Distribution)
Average dialog response time:	1.86 seconds
Throughput:	
Fully Processed Order Line items / hour:	861,000
Dialog steps / hour:	2,583,000
SAPS:	43,050
Average DB request time (dia/upd):	0.049 sec / 0.066 sec
CPU utilization of database server:	97%
CPU utilization of application servers:	78% (dia: 79%, upd: 79%, msg/enq: 2%)
Operating System all servers:	SuSE Linux Enterprise Server 8
RDBMS:	DB2 UDB 8.2
SAP R/3 Release:	4.70
Total disk space:	792 GB

Configuration:

Database server: IBM eServer BladeCenter HS40, 4-way SMP, Intel XEON MP, 3.0 GHz, 20 KB L1 cache, 512 KB L2 cache, 4 MB L3 cache, 8 GB main memory

15 Application servers:

14 Dialog/Update servers: IBM eServer BladeCenter HS40, 4-way SMP, Intel XEON MP, 3.0 GHz, 20 KB L1 cache, 512 KB L2 cache, 4 MB L3 cache, 8 GB main memory

1 Message/Enq. server: IBM eServer BladeCenter HS40, 4-way SMP, Intel XEON MP, 3.0 GHz, 20 KB L1 cache, 512 KB L2 cache, 4 MB L3 cache, 8 GB main memory

Certification Number. 2004074