

# CERTIFICATION

## SAP Standard Application Benchmarks

The SAP SD standard R/3 Enterprise 4.70 application benchmark performed on March 11, 2004 by HP in Houston, TX, USA was certified on April 1, 2004 with the following data:

Number of benchmark users & comp.:	8,016 SD (Sales & Distribution)
Average dialog response time:	1.99 seconds
Throughput:	
Fully Processed Order Line items / hour:	802,330
Dialog steps / hour:	2,407,000
SAPS:	40,120
Average DB request time (dia/upd):	0.160 sec / 0.235 sec
CPU utilization of database server:	91%
CPU utilization of application servers:	59%
	(dia: 73%, upd: 22%, msg/enq: 6%)
Operating System all servers:	Windows Server 2003 Enterprise Edition
RDBMS database server:	SQL Server 2000
R/3 Release:	4.70
Total disk space:	231 GB

### Configuration:

Database server:	HP ProLiant Model DL580 G2, 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
16 Application servers:	
12 Dialog servers:	HP ProLiant Model DL760 G2, 8-way SMP, Intel Xeon MP, 2.0 GHz, 20 KB L1 cache, 512 KB L2 cache, 2 MB L3 cache, 4 GB main memory
3 Update servers:	HP ProLiant Model DL740, 8-way SMP, Intel Xeon MP, 2.8 GHz, 20 KB L1 cache, 512 KB L2 cache, 2 MB L3 cache, 4 GB main memory
1 Message/Enq. server:	HP ProLiant Model DL580 G2, 4-way SMP, Intel Xeon MP, 3.0 GHz, 20 KB L1 cache, 512 KB L2 cache, 4 MB L3 cache, 4 GB main memory

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