

CERTIFICATION

SAP Standard Application Benchmarks

The SAP SD standard R/3 Enterprise 4.70 application benchmark performed on November 13, 2003 by HP in Houston, TX, USA was certified on December 1, 2003 with the following data:

Number of benchmark users & comp.:	7,800 SD (Sales & Distribution)
Average dialog response time:	1.22 seconds
Throughput:	
Fully Processed Order Line items / hour:	834,330
Dialog steps / hour:	2,503,000
SAPS:	41,720
Average DB request time (dia/upd):	0.140 sec / 0.186 sec
CPU utilization of database server:	96%
CPU utilization of application servers:	62% (dia: 77%, upd: 22%, msg/enq: 8%)
Operating System all servers:	Windows Server 2003 Enterprise Edition
RDBMS database server:	SQL Server 2000
R/3 Release:	4.70
Total disk space:	520 GB

Configuration:

Database server:	HP rx4640, 4-way SMP, Intel Itanium 2, 1.5 GHz, 32 KB L1 cache, 256 KB L2 cache, 6 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, 1.9 GHz, 20 KB L1 cache, 512 KB L2 cache, 1 MB L3 cache, 4 GB main memory

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