

CERTIFICATION

SAP Standard Application Benchmarks

The SAP SD standard R/3 Enterprise 4.70 application benchmark performed on July 7, 2003 by HP in Houston, TX, USA was certified on July 14, 2003 with the following data:

Number of benchmark users & comp.:	11,200 SD (Sales & Distribution)
Average dialog response time:	1.90 seconds
Throughput:	
Fully Processed Order Line items / hour:	1,129,000
Dialog steps / hour:	3,387,000
SAPS:	56,450
Average DB request time (dia/upd):	0.085 sec / 0.090 sec
CPU utilization of database server:	87%
CPU utilization of application servers:	76% (dia: 93%, upd: 24%, msg/enq: 12%)
Operating System all servers:	Windows 2003 Enterprise Edition
RDBMS database server:	SQL Server 2000
R/3 Release:	4.70
Total disk space:	323 GB

Configuration:

Database server:	HP ProLiant Model DL760 G2, 8-way SMP, Intel Xeon MP, 2.8 GHz, 2 MB L3 cache, 8 GB main memory
21 Application servers:	
10 Dialog servers:	HP ProLiant Model DL760 G2, 8-way SMP, Intel Xeon MP, 2 GHz, 2 MB L3 cache, 4 GB main memory
6 Dialog servers:	HP ProLiant Model DL740, 8-way SMP, Intel Xeon MP, 2 GHz, 2 MB L3 cache, 4 GB main memory
4 Update servers:	HP ProLiant Model DL740, 8-way SMP, Intel Xeon MP, 2 GHz, 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, 512 KB L3 cache, 4 GB main memory

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