

CERTIFICATION

SAP Standard Application Benchmarks

The SAP SD standard R/3 Enterprise 4.70 application benchmark performed on June 3, 2004 by HP in Cupertino, CA, USA was certified on June 17, 2004 with the following data:

Number of benchmark users & comp.:	17,184 SD (Sales & Distribution)
Average dialog response time:	1.70 seconds
Throughput:	
Fully Processed Order Line items / hour:	1,762,000
Dialog steps / hour:	5,286,000
SAPS:	88,100
Average DB request time (dia/upd):	0.023 sec / 0.045 sec
CPU utilization of database server:	99%
CPU utilization of application servers:	62% (dia: 66%, upd: 44%, msg/enq: 15%)
Operating System all servers:	HP-UX 11i
RDBMS database server:	Oracle 10g
R/3 Release:	4.70
Total disk space:	7,051 GB

Configuration:

Database server: HP Integrity Model rx4640-8, 8-way SMP, 4 HP mx2 dual processor modules with 1.1 GHz Itanium 2 processors, 32 KB L1 cache, 256 KB L2 cache, 4 MB L3 cache per processor, and 32 MB L4 cache per module, 24 GB main memory

29 Application servers:

24 Dialog servers: HP Integrity Model rx4640, 4-way SMP, Intel Itanium 2, 1.5 GHz, 32 KB L1 cache, 256 KB L2 cache, 6 MB L3 cache, 16 GB main memory

4 Update servers: HP Integrity Model rx4640, 4-way SMP, Intel Itanium 2, 1.5 GHz, 32 KB L1 cache, 256 KB L2 cache, 6 MB L3 cache, 16 GB main memory

1 Message/Enq. server: HP Integrity Model rx5670, 4-way SMP, Intel Itanium 2, 1.5 GHz, 32 KB L1 cache, 256 KB L2 cache, 6 MB L3 cache, 12 GB main memory

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