

# CERTIFICATION

## SAP Standard Application Benchmarks

The SAP TRBK (Transaction Banking) standard SAP for Banking application benchmark performed on December 18, 2005 by HP in Walldorf, Germany was certified on December 22, 2005 with the following data:

The scenario contained 18,000,000 accounts and 360,000,000 postings.

### Part I: Day Processing

No. of postings to bank accounts/hour: 8,279,000  
CPU utilization database server: 98%  
CPU utilization application servers: 52% (dia: 53%, msg/enq: 44%)

### Part II: Night Processing

No. of balanced accounts/hour: 4,270,000  
CPU utilization database server: 96%  
CPU utilization application servers: 44% (bgd: 45%, msg/enq: 8%)

The software configuration for all steps of the SAP TRBK benchmark:

Operating System database server: Windows Server 2003 Datacenter Edition  
Operating System appl. servers: Windows Server 2003 Enterprise Edition (32-bit)  
RDBMS database server: SQL Server 2005  
SAP Release: Account Management 3.0 (32-bit)

### Configuration:

Database server: HP Integrity Model rx8620, 16 processors / 16 cores / 16 threads, HP mx2 dual-processor modules with 1.1 GHz Intel Itanium 2 processors, 32 KB L1 cache, 256 KB L2 cache, 4 MB L3 cache per processor, and 32 MB L4 cache per module, 64 GB main memory

### 33 Application servers:

32 Dialog/Batch servers: HP ProLiant Model DL 360 G4p,  
2 processors / 2 cores / 4 threads, Intel XEON, 3.4 GHz,  
L1 Execution Trace Cache, 2 MB L2 cache, 3 GB main memory

1 Message/Enq. server: HP ProLiant Model DL 360 G4p,  
2 processors / 2 cores / 4 threads, Intel XEON, 3.4 GHz,  
L1 Execution Trace Cache, 2 MB L2 cache, 3 GB main memory

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