

TPoX (Transaction Processing over XML) Benchmark Result

<http://tpox.sourceforge.net/>

Overview:

Sponsor:	Intel® Corporation		
Date:	Nov. 2009		
Database System:	DB2 9.7		
Operating System:	SUSE Linux* Enterprise server 10 SP2		
Hardware Summary:	Intel® Xeon® Processor X5570 server with 48GB RAM		
TPoX Version:	2.0	TPoX Scale Factor:	M - 1TB

Primary Result:

TTPS (TPoX Transactions Per Second):	5002
Number of concurrent users:	220

Secondary Results (optional):

TIPS (TPoX Inserts Per Second):	Custacc:		Users
	Orders:		Users
TQPS (TPoX Queries Per Second):			Users
Initial database size (incl. indexes, etc.):	537 GB (using DB2 data compression)		

System under test (database server):

Processors: Intel Xeon Processor X5570, 2 processors/8 cores/16 threads, 2.93 GHz, 32KB DL1 cache per core, 32KB IL1 cache per core, 256KB L2 cache per core, 8 MB L3 cache per processor			
Memory:	48GB	Client/server network:	1 Gb/s ethernet
Storage system:	EMC CX3-80	Total no. of disks:	135
#disks for database:	120 (RAID 0)	#disks for log	15 (RAID 0)
Adapters:	1 QLE2462 Qlogic Fiber Channel 4 Gb/s adapter		
Other details:	All disks are SCSI, 15K RPM		

Client machine (if applicable):

Machine type, OS:	Intel Xeon Processor E5440 EP Server, Linux SLES 10 SP2		
Number of CPUs:	2	Cores per CPU:	4
Clock Frequency:	2.83 GHz	Client/server network:	1 Gb/s ethernet
Memory:	24 GB	Java Level:	1.6

Other key TPOX Workload Driver parameters used to obtain the TTPS result:

-r (ramp up time): 3600 seconds	-ti (measurement time): 3600 seconds
-tt (think time): 0 (default)	-cc (commit count) 1 (default)
-tr (max transactions): n/a	
Other non-default parameters:	

Section for additional details, comments, graphs, or comparison to other systems.

- Graphic to be inserted -

- Testing and results generated by Intel engineers in Intel labs with IBM collaboration

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