



CINT2000 Result

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IBM Corporation

IBM BladeCenter HS21 (1.6 GHz Xeon E5310, 8MB L2 Cache)

SPECint2000 = --

SPECint_base2000 = 1686

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Nov-2006 | Hardware Avail: Dec-2006 | Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	141	992			
175.vpr	1400	113	1238			
176.gcc	1100	60.0	1834			
181.mcf	1800	64.3	2800			
186.crafty	1000	67.3	1486			
197.parser	1800	144	1251			
252.eon	1300	62.3	2088			
253.perlbmk	1800	92.0	1956			
254.gap	1100	67.1	1640			
255.vortex	1900	65.8	2886			
256.bzip2	1500	119	1258			
300.twolf	3000	162	1848			

Hardware

CPU: Intel Xeon processor E5310 (1.6 GHz, 1066 MHz bus)
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1, 2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 8 x 1024 MB ECC PC2-5300F
Disk Subsystem: 73GB SAS 10K RPM
Other Hardware: Memory and I/O Expansion Unit (P/N 42C1600)

Software

Operating System: Windows Server 2003 Enterprise Edition (32-bit)
Compiler: Intel C++ Compiler 9.1 for 32-bit applications
Build 20060323Z
Microsoft Visual Studio 2005(for libraries)
SmartHeap Library Version 8.0 from <http://www.microquill.com/>
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```