



CINT2000 Result

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IBM Corporation

IBM BladeCenter HS21 (2.33 GHz Xeon 5140, 4MB L2 Cache)

SPECint_rate2000 = --

SPECint_rate_base2000 = 98.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	99.2	65.5			
175.vpr	4	91.8	70.7			
176.gcc	4	51.0	100			
181.mcf	4	91.7	91.1			
186.crafty	4	46.3	100			
197.parser	4	109	76.9			
252.eon	4	42.8	141			
253.perlbnk	4	66.0	127			
254.gap	4	53.3	95.7			
255.vortex	4	53.5	165			
256.bzip2	4	96.8	71.9			
300.twolf	4	112	124			

Hardware

CPU: Intel Xeon processor 5140 (2.33 GHz, 1333 MHz bus)
CPU MHz: 2333
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1, 2
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)
Secondary Cache: 4096KB(I+D) on chip (per chip)
L3 Cache: N/A
Other Cache: N/A
Memory: 8 x 1024 MB ECC PC2-5300F
Disk Subsystem: 73GB SAS 15K 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.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```