



CINT2000 Result

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IBM Corporation
IBM System X 3800 (3.33 GHz Xeon 7140N)

SPECint_rate2000 = --
SPECint_rate_base2000 = 156

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	201	129			
175.vpr	16	247	105			
176.gcc	16	105	194			
181.mcf	16	191	175			
186.crafy	16	158	117			
197.parser	16	232	144			
252.eon	16	108	224			
253.perlbnk	16	197	170			
254.gap	16	185	110			
255.vortex	16	141	250			
256.bzip2	16	181	154			
300.twolf	16	335	166			

Hardware

CPU: Intel Xeon processor 7140N (3.33 GHz, 667 MHz bus)
 CPU MHz: 3333
 FPU: Integrated
 CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1, 2, 4 chips
 Parallel: No
 Primary Cache: 12 K I micro-ops + 16 KB D on chip per core
 Secondary Cache: 1 MB I+D on chip per core
 L3 Cache: 16 MB on chip per chip
 Other Cache: N/A
 Memory: 16 x 2048 MB ECC PC2-3200
 Disk Subsystem: 73GB SAS 15K RPM
 Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
 Compiler: Intel C++ Compiler 9.1 for 32-bit applications
 Build 20060323Z Package ID: W_CC_P_9.1.020
 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-80.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M-80.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```

Bios Settings

Hardware Prefetch enabled
 Memory Array set to High-Performance Memory Array