



# CINT2000 Result

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## IBM Corporation

IBM System X 3400 (3.0 GHz Xeon 5160, 4MB L2 Cache)

SPECint\_rate2000 = --

SPECint\_rate\_base2000 = 120

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

| Benchmark   | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip    | 4           | 78.2         | 83.1       |        |         |       |
| 175.vpr     | 4           | 76.3         | 85.1       |        |         |       |
| 176.gcc     | 4           | 43.6         | 117        |        |         |       |
| 181.mcf     | 4           | 83.2         | 100        |        |         |       |
| 186.crafty  | 4           | 36.0         | 129        |        |         |       |
| 197.parser  | 4           | 88.3         | 94.6       |        |         |       |
| 252.eon     | 4           | 33.4         | 181        |        |         |       |
| 253.perlbnk | 4           | 51.7         | 161        |        |         |       |
| 254.gap     | 4           | 45.5         | 112        |        |         |       |
| 255.vortex  | 4           | 44.5         | 198        |        |         |       |
| 256.bzip2   | 4           | 79.8         | 87.2       |        |         |       |
| 300.twolf   | 4           | 87.3         | 159        |        |         |       |

### Hardware

CPU: Intel Xeon processor 5160 ( 3.0 GHz, 1333 MHz bus)  
 CPU MHz: 3000  
 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: 80GB SATA 10K RPM  
 Other Hardware:

### 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
```