



# CINT2000 Result

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## IBM Corporation

IBM System X 3400 (2.0 GHz Xeon E5335, 8MB L2 Cache)

SPECint\_rate2000 = --

SPECint\_rate\_base2000 = 162

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2007 | Hardware Avail: Feb-2007 | Software Avail: Mar-2006

| Benchmark   | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip    | 8           | 118          | 111        |        |         |       |
| 175.vpr     | 8           | 110          | 118        |        |         |       |
| 176.gcc     | 8           | 56.4         | 181        |        |         |       |
| 181.mcf     | 8           | 130          | 129        |        |         |       |
| 186.crafty  | 8           | 54.0         | 172        |        |         |       |
| 197.parser  | 8           | 127          | 131        |        |         |       |
| 252.eon     | 8           | 50.3         | 240        |        |         |       |
| 253.perlbnk | 8           | 76.9         | 217        |        |         |       |
| 254.gap     | 8           | 77.4         | 132        |        |         |       |
| 255.vortex  | 8           | 62.9         | 280        |        |         |       |
| 256.bzip2   | 8           | 115          | 121        |        |         |       |
| 300.twolf   | 8           | 131          | 212        |        |         |       |

### Hardware

CPU: Intel Xeon processor E5335 (2.0 GHz, 1333 MHz bus)  
CPU MHz: 2000  
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: 80GB SATA 7200 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  
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
```

This result was measured on an IBM System X 3400. IBM System X 3400 and IBM System X 3500 are electronically equivalent.