# CINT2000 Result

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## IBM Corporation

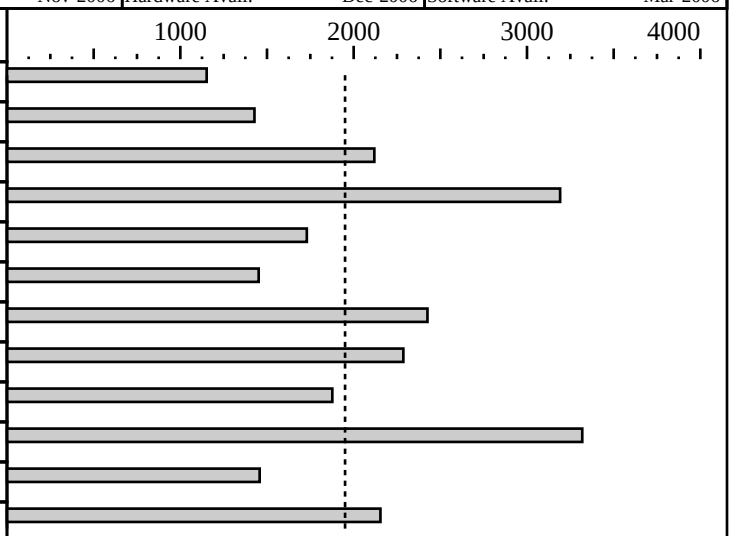
IBM System X 3400 (1.86 GHz Xeon E5320, 8MB L2 Cache)

SPECint2000 = --

SPECint_base2000 = 1950

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 | 122 | 1152 | | |
| 175.vpr | 1400 | 98.1 | 1428 | | |
| 176.gcc | 1100 | 51.9 | 2119 | | |
| 181.mcf | 1800 | 56.4 | 3191 | | |
| 186.crafty | 1000 | 57.8 | 1730 | | |
| 197.parser | 1800 | 124 | 1452 | | |
| 252.eon | 1300 | 53.6 | 2426 | | |
| 253.perlbmk | 1800 | 78.7 | 2287 | | |
| 254.gap | 1100 | 58.6 | 1877 | | |
| 255.vortex | 1900 | 57.3 | 3319 | | |
| 256.bzip2 | 1500 | 103 | 1458 | | |
| 300.twolf | 3000 | 139 | 2154 | | |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor E5320 ( 1.86 GHz, 1066 MHz bus) |
| CPU MHz: | 1866 |
| 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 10K RPM |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition (32-bit) |
| Compiler: | Intel C++ Compiler 9.1 for 32-bit applications<br>Build 20060323Z<br>Microsoft Visual Studio 2005(for libraries)<br>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

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