CINT2000 Result

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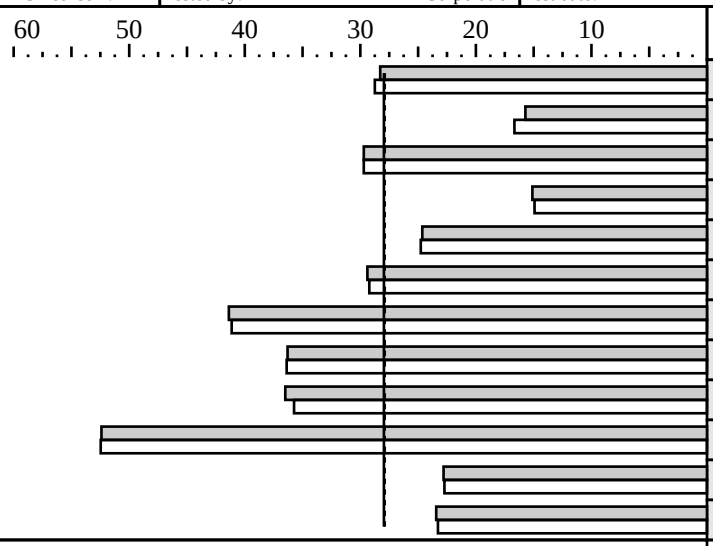
IBM Corporation

IBM eServer Bladecenter HS20 (2.8 GHz Xeon, 1MB L2 Cache)

SPECint_rate2000 = 28.0

SPECint_rate_base2000 = 27.9

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Dec-2005 | Hardware Avail: Feb-2006 | Software Avail: Dec-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	230	28.3	4	226	28.7
175.vpr	4	413	15.7	4	390	16.7
176.gcc	4	172	29.7	4	172	29.7
181.mcf	4	553	15.1	4	560	14.9
186.crafty	4	188	24.6	4	187	24.8
197.parser	4	284	29.4	4	286	29.2
252.eon	4	146	41.4	4	147	41.1
253.perlbmk	4	230	36.3	4	230	36.4
254.gap	4	140	36.5	4	143	35.7
255.vortex	4	168	52.4	4	168	52.5
256.bzip2	4	305	22.8	4	306	22.7
300.twolf	4	594	23.4	4	598	23.3

Hardware

CPU:	Intel Xeon 2.8 (800 MHz system bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024 MB ECC PC2-3200 Single Rank
Disk Subsystem:	73GB SCSI 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications Intel Fortran Compiler 9.0 (20051120Z) for 32-bit applications Microsoft Visual Studio .NET 13.0.9466 (for libraries) MicroQuill Smartheap Library 7.30
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
GENERAL
  ONESTEP=yes
  +FDO:   PASS1=-Qprof_gen  PASS2=-Qprof_use
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafty:  -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
BASE TUNING
  C:           -fast -Qansi_alias +FDO shlW32M.lib
  C++:         -fast -Qcxx_features +FDO shlW32M.lib
PEAK TUNING
  164.gzip:    -fast +FDO
  175.vpr:     -fast +FDO
  176.gcc:     basepeak=yes
  181.mcf:     -fast +FDO shlW32M.lib
  186.crafty:  -fast -Oa +FDO shlW32M.lib
  197.parser:  -fast +FDO
  252.eon:     -fast +FDO shlW32M.lib
  253.perlbmk: -fast -Oa +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
    254.gap:      -fast +FDO
    255.vortex    -fast +FDO shlw32M.lib
    256.bzip2:    -fast -Qunroll1 -Oa +FDO shlw32M.lib
    300.twolf:    -fast +FDO shlW32M.lib
  EXTRA LIBRARIES
    shlW32M.lib: MicroQuill SmartHeap Library 7.3
                 www.microquill.com
```