



CINT2000 Result

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IBM Corporation

IBM eServer Bladecenter HS20 (3.0 GHz Xeon, 2MB L2 Cache)

SPECint_rate2000 = 34.6

SPECint_rate_base2000 = 34.2

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	217	29.9	4	212	30.6
175.vpr	4	291	22.3	4	279	23.3
176.gcc	4	107	47.6	4	107	47.6
181.mcf	4	424	19.7	4	426	19.6
186.crafty	4	175	26.6	4	173	26.8
197.parser	4	246	33.9	4	245	34.1
252.eon	4	139	43.4	4	139	43.3
253.perlbnk	4	216	38.6	4	215	38.8
254.gap	4	136	37.4	4	134	38.1
255.vortex	4	149	59.0	4	150	58.9
256.bzip2	4	232	30.0	4	231	30.1
300.twolf	4	334	41.7	4	333	41.9

Hardware

CPU: Intel Xeon 3.0 (800 MHz system bus)
CPU MHz: 3000
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: 2048(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.perlbnk: -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.perlbnk: -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
```