



CINT2000 Result

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IBM Corporation

IBM eServer Bladecenter HS20 (3.8 GHz Xeon, 2MB L2 Cache)

SPECint_rate2000 = 43.1

SPECint_rate_base2000 = 42.8

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Sep-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	172	37.8	4	169	38.4
175.vpr	4	236	27.6	4	228	28.5
176.gcc	4	88.2	57.9	4	88.2	57.9
181.mcf	4	332	25.1	4	334	25.0
186.crafty	4	139	33.5	4	138	33.6
197.parser	4	198	42.2	4	197	42.4
252.eon	4	110	54.8	4	110	54.7
253.perlbnk	4	173	48.2	4	172	48.5
254.gap	4	110	46.4	4	108	47.5
255.vortex	4	121	72.8	4	121	72.8
256.bzip2	4	191	36.4	4	191	36.4
300.twolf	4	259	53.7	4	259	53.8

Hardware

CPU: Intel Xeon 3.8 (800 MHz system bus)
CPU MHz: 3800
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: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 2048 MB ECC PC2-3200 Dual Rank
Disk Subsystem: 36GB SCSI 10K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications
Intel Fortran Compiler 9.0 (20050624Z) 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
252.eon: srcalt=stdcpp
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

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



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Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -Oa +FDO shlw32M.lib
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 7.1
              www.microquill.com
```