



CINT2000 Result

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Bull

NovaScale R460 (Intel Xeon processor 5110, 1.60 GHz)

SPECint_rate2000 = 70.7

SPECint_rate_base2000 = 70.6

SPEC license #: 20 | Tested by: Bull | Test date: Nov-2006 | Hardware Avail: Nov-2006 | Software Avail: Sep-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	144	45.2	4	144	45.2
175.vpr	4	127	51.3	4	124	52.3
176.gcc	4	63.1	80.9	4	63.1	80.9
181.mcf	4	126	66.2	4	126	66.2
186.crafty	4	68.7	67.5	4	68.7	67.5
197.parser	4	145	57.7	4	144	58.2
252.eon	4	62.8	96.0	4	62.8	96.0
253.perlbnk	4	95.9	87.1	4	95.9	87.1
254.gap	4	71.1	71.8	4	72.2	70.7
255.vortex	4	73.6	120	4	73.6	120
256.bzip2	4	136	51.3	4	136	51.3
300.twolf	4	162	86.0	4	162	86.0

Hardware

CPU: Intel Xeon Processor 5110 (1066MHz bus)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1 to 2 chips
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core
 Secondary Cache: 4096KB(I+D) on chip per chip (shared)
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8GB (8x1GB 533MHz ECC CL4 DDR2 FB-DIMM)
 Disk Subsystem: 2x73GB SAS 15000 rpm
 Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits), Service Pack 1
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1, - Build 20060927Z Package ID: W_CC_C_9.1.032
 Microsoft Visual Studio .NET 2003 (for libraries)
 MicroQuill SmartHeap Library 8.0 (shlW32M.lib)
 File System: NTFS
 System State: Default

Notes/Tuning Information

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

Feedback optimization:

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:

for C programs:
 -fast +FDO ONESTEP=yes shlW32M.lib
 for C++ program 252.eon:
 -fast -Qcxx_features +FDO ONESTEP=yes

Peak Tuning Flags:

164.gzip: basepeak=yes
 175.vpr: -fast +FDO ONESTEP=yes
 176.gcc: basepeak=yes
 181.mcf: basepeak=yes



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Notes/Tuning Information (Continued)

186.crafty: basepeak=yes
197.parser: -fast +FDO ONESTEP=yes
252.eon: basepeak=yes
253.perlbnk: basepeak=yes
254.gap: -fast +FDO ONESTEP=yes
255.vortex: basepeak=yes
256.bzip2: basepeak=yes
300.twolf: basepeak=yes

For information about Bull please see:
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