



CINT2000 Result

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Bull

NovaScale B260 (Intel Xeon processor 5150, 2.66 GHz)

SPECint_rate2000 = 105

SPECint_rate_base2000 = 105

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	88.0	73.8	4	88.0	73.8
175.vpr	4	84.9	76.5	4	83.8	77.5
176.gcc	4	53.7	95.1	4	53.7	95.1
181.mcf	4	95.8	87.2	4	95.8	87.2
186.crafty	4	41.1	113	4	41.1	113
197.parser	4	93.6	89.2	4	92.3	90.5
252.eon	4	37.5	161	4	37.5	161
253.perlbnk	4	58.8	142	4	58.8	142
254.gap	4	60.1	84.9	4	59.9	85.2
255.vortex	4	50.4	175	4	50.4	175
256.bzip2	4	92.0	75.7	4	92.0	75.7
300.twolf	4	97.1	143	4	97.1	143

Hardware

CPU: Intel Xeon Processor 5150 (2.66 GHz, 4MB L2, 1333MHz bus)
CPU MHz: 2660
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 by 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 8GB (2GB DIMMx4, FB-DIMM PC2-5300F ECC CL5)
Disk Subsystem: 1x73GB SAS 10000 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 20061103Z Package ID: W_CC_C_9.1.033
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: -fast +FDO ONESTEP=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

Other Configuration Notes

For information about Bull please see:
<http://www.bull.com>