



CINT2000 Result

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Bull
NovaScale Blade 2320 (2.0 GHz Xeon LV)

SPECint_rate2000 = 59.0
SPECint_rate_base2000 = 58.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	125	52.0	4	125	51.9
175.vpr	4	195	33.2	4	192	33.8
176.gcc	4	68.3	74.7	4	68.3	74.7
181.mcf	4	382	21.9	4	382	21.9
186.crafty	4	62.9	73.8	4	62.9	73.8
197.parser	4	166	50.3	4	166	50.2
252.eon	4	57.4	105	4	57.4	105
253.perlbnk	4	98.5	84.8	4	98.5	84.8
254.gap	4	100	50.9	4	99.7	51.2
255.vortex	4	87.1	101	4	87.1	101
256.bzip2	4	179	38.9	4	179	38.9
300.twolf	4	149	93.5	4	149	93.5

Hardware

CPU: Intel Xeon Processor (2.0GHz Xeon LV, 2MB L2, 667MHz bus)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1 to 2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) shared by 2 cores
L3 Cache: N/A
Other Cache: N/A
Memory: 8GB (2GB DIMMx4, 2-way interleaved DDR2-400, PC2-3200 CL3)
Disk Subsystem: 2x36GB 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 20060519Z Package ID: W_CC_C_9.1.025
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

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