CINT2000 Result

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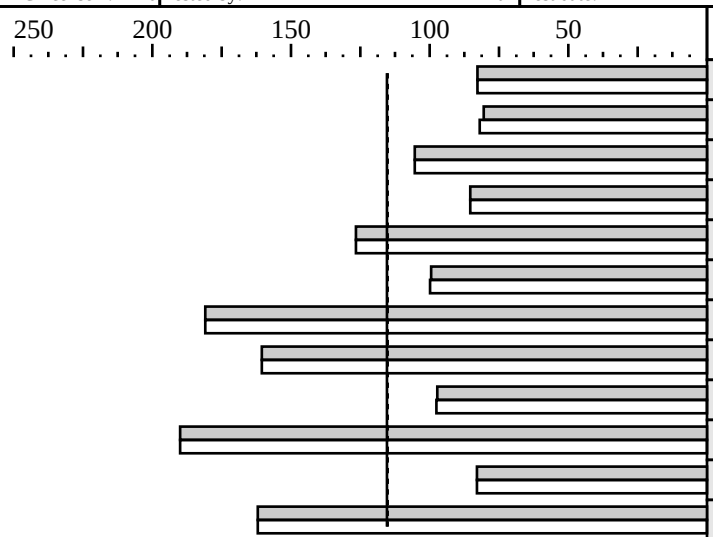
Bull

NovaScale T840 (3.00 GHz, Intel Xeon processor 5160)

SPECint_rate2000 = 115

SPECint_rate_base2000 = 115

SPEC license #: 20 | Tested by: Bull | Test date: Feb-2007 | Hardware Avail: Jul-2006 | Software Avail: Dec-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	78.5	82.8	4	78.5	82.8
175.vpr	4	80.7	80.5	4	79.3	82.0
176.gcc	4	48.4	105	4	48.4	105
181.mcf	4	97.8	85.4	4	97.8	85.4
186.crafty	4	36.7	127	4	36.7	127
197.parser	4	84.0	99.5	4	83.6	99.9
252.eon	4	33.3	181	4	33.3	181
253.perlbmk	4	52.0	161	4	52.0	161
254.gap	4	52.5	97.2	4	52.3	97.6
255.vortex	4	46.4	190	4	46.4	190
256.bzip2	4	83.9	82.9	4	83.9	82.9
300.twolf	4	85.9	162	4	85.9	162

Hardware

CPU:	Intel Xeon Processor 5160 (1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip per core
Secondary Cache:	4096KB(I+D) on chip per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 1GB (667 MHz ECC CL5 DDR2 FB-DIMM)
Disk Subsystem:	3x73GB SCSI 15000 rpm
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise X64 Edition
Compiler:	Intel(R) C++ Compiler for 32-bit app., Version 9.1.033 - 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.perlbmk: -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 shlW32M.lib
 for C++ program 252.eon:
 -fast -Qcxx_features +FDO

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.perlbmk:  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:
http://www.bull.com
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