CINT2000 Result

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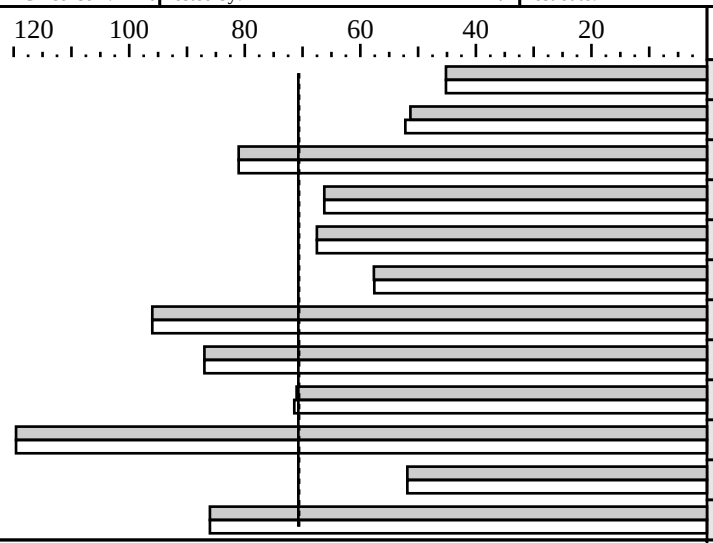
Bull

NovaScale R440 (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: Nov-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	52.2
176.gcc	4	63.0	81.1	4	63.0	81.1
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	145	57.6
252.eon	4	62.8	96.0	4	62.8	96.0
253.perlbmk	4	96.0	87.0	4	96.0	87.0
254.gap	4	71.9	71.0	4	71.5	71.4
255.vortex	4	73.7	120	4	73.7	120
256.bzip2	4	134	51.9	4	134	51.9
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:	2x36GB SAS 15000 rpm
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition (32 bits), Service Pack1
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.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 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.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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