CINT2000 Result

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Bull

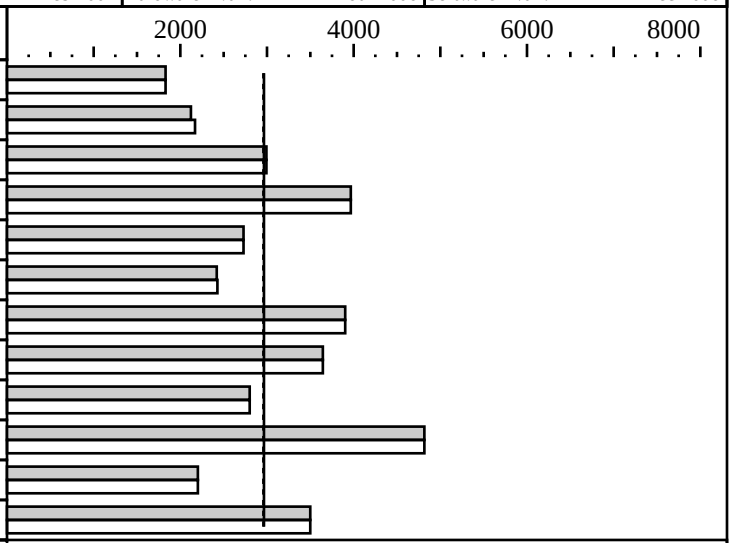
NovaScale T840 (3.00 GHz, Intel Xeon 5160)

SPECint2000 = 2965

SPECint_base2000 = 2959

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	76.5	1830	76.5	1830
175.vpr	1400	66.0	2122	64.5	2169
176.gcc	1100	36.8	2993	36.8	2993
181.mcf	1800	45.4	3967	45.4	3967
186.crafty	1000	36.6	2729	36.6	2729
197.parser	1800	74.4	2420	74.1	2428
252.eon	1300	33.3	3902	33.3	3902
253.perlbmk	1800	49.4	3644	49.4	3644
254.gap	1100	39.3	2800	39.3	2800
255.vortex	1900	39.5	4816	39.5	4816
256.bzip2	1500	68.1	2202	68.1	2202
300.twolf	3000	85.7	3499	85.7	3499



Hardware

CPU:	Intel Xeon Processor 5160 (1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip per chip
Secondary Cache:	4096KB(I+D) on chip per core
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


 Other Configuration Notes
   /NUMPROC=1 flag was added to boot.ini to invoke
   uniprocessor environment


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