CINT2000 Result

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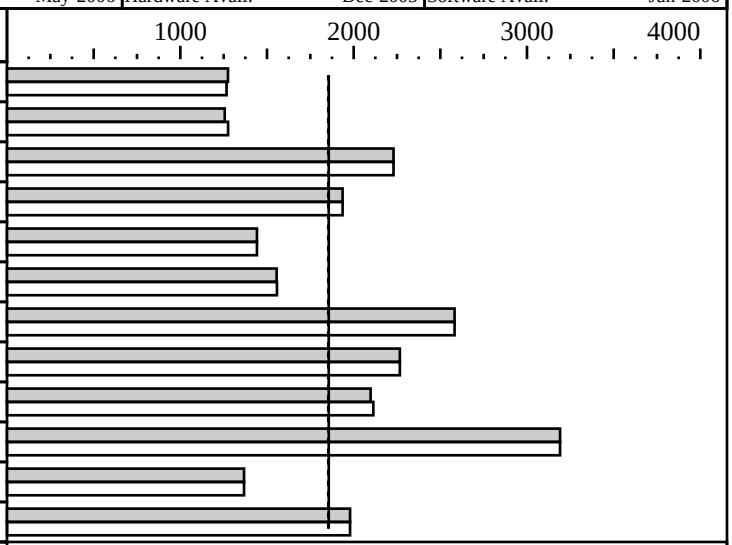
Bull
NovaScale Blade 2021 (3.8 GHz Xeon)

SPECint2000 = 1856

SPECint_base2000 = 1854

SPEC license #: 20 | Tested by: Bull | Test date: May-2006 | Hardware Avail: Dec-2005 | Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	110	1275	111	1267
175.vpr	1400	111	1256	110	1276
176.gcc	1100	49.3	2230	49.3	2230
181.mcf	1800	93.0	1936	93.0	1936
186.crafty	1000	69.3	1442	69.3	1442
197.parser	1800	116	1555	116	1557
252.eon	1300	50.3	2582	50.3	2582
253.perlbmk	1800	79.4	2266	79.4	2266
254.gap	1100	52.4	2098	52.0	2113
255.vortex	1900	59.5	3191	59.5	3191
256.bzip2	1500	110	1368	110	1368
300.twolf	3000	152	1979	152	1979



Hardware

CPU:	Intel Xeon Processor (3.8GHz Xeon, 2MB L2, 800MHz bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8GB (2GB DIMMx4, 2-way interleaved DDR2-400, PC2-3200 CL3)
Disk Subsystem:	2x73GB SCSI 10000 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 20060323Z Package ID: W_CC_P_9.1.022 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:     -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.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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