CINT2000 Result

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Bull

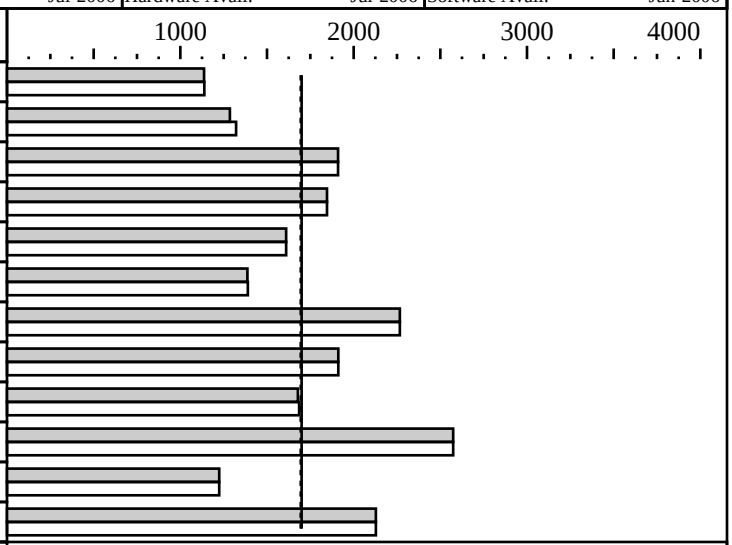
NovaScale Blade 2320 (2.0 GHz Xeon LV)

SPECint2000 = 1700

SPECint_base2000 = 1695

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	123	1137	123	1138
175.vpr	1400	109	1286	106	1322
176.gcc	1100	57.6	1910	57.6	1910
181.mcf	1800	97.5	1846	97.5	1846
186.crafty	1000	62.1	1610	62.1	1610
197.parser	1800	130	1387	130	1389
252.eon	1300	57.4	2266	57.4	2266
253.perlbmk	1800	94.2	1911	94.2	1911
254.gap	1100	65.5	1678	65.3	1685
255.vortex	1900	73.8	2574	73.8	2574
256.bzip2	1500	123	1224	123	1224
300.twolf	3000	141	2128	141	2128



Hardware

CPU:	Intel Xeon Processor (2.0GHz Xeon LV, 2MB L2, 667MHz bus)
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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 Pack1
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.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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