CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Bull

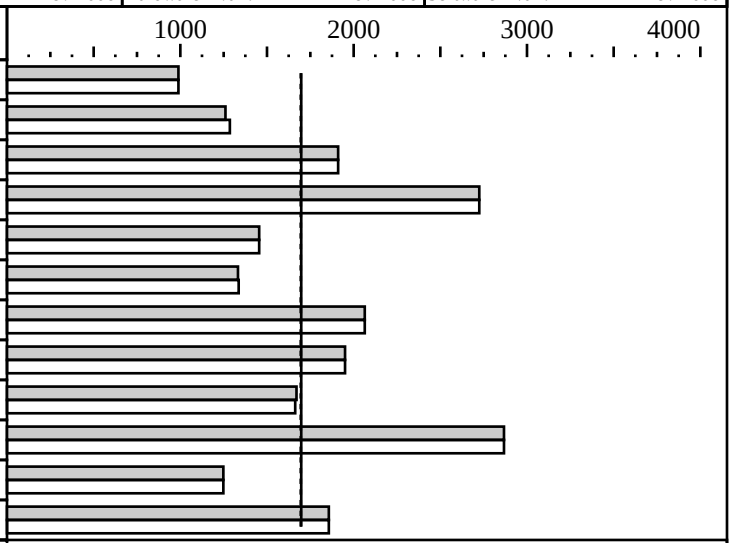
NovaScale R440 (Intel Xeon processor 5110, 1.60 GHz)

SPECint2000 = 1698

SPECint_base2000 = 1695

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	142	989	142	989
175.vpr	1400	111	1260	109	1286
176.gcc	1100	57.6	1910	57.6	1910
181.mcf	1800	66.1	2725	66.1	2725
186.crafty	1000	68.7	1455	68.7	1455
197.parser	1800	135	1333	135	1337
252.eon	1300	63.0	2064	63.0	2064
253.perlbmk	1800	92.3	1950	92.3	1950
254.gap	1100	65.9	1670	66.2	1663
255.vortex	1900	66.3	2867	66.3	2867
256.bzip2	1500	120	1248	120	1248
300.twolf	3000	162	1857	162	1857



Hardware

CPU:	Intel Xeon Processor 5110 (1066MHz bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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
```