CINT2000 Result

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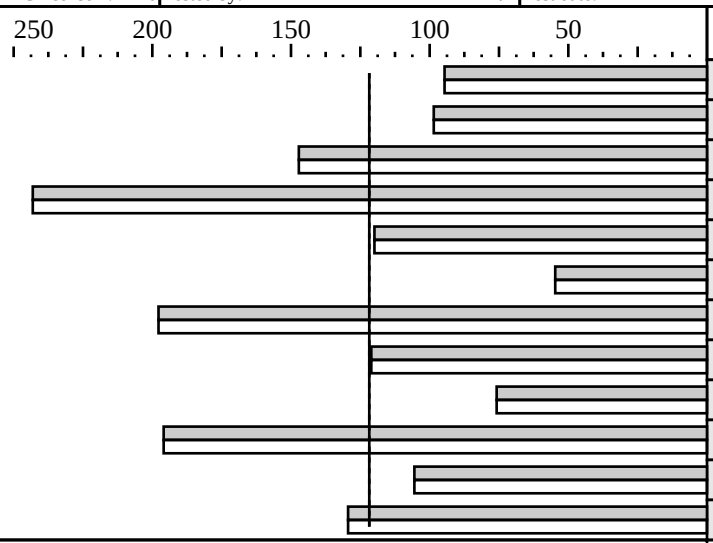
Bull

NovaScale 3045 (1.6 GHz, Itanium2 9050)

SPECint_rate2000 = 122

SPECint_rate_base2000 = 122

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	137	94.6	8	137	94.6
175.vpr	8	132	98.5	8	132	98.5
176.gcc	8	69.4	147	8	69.4	147
181.mcf	8	68.7	243	8	68.7	243
186.crafty	8	77.4	120	8	77.4	120
197.parser	8	305	54.7	8	305	54.7
252.eon	8	61.0	198	8	61.0	198
253.perlbmk	8	138	121	8	138	121
254.gap	8	135	75.8	8	135	75.8
255.vortex	8	90.0	196	8	90.0	196
256.bzip2	8	132	106	8	132	106
300.twolf	8	215	129	8	215	129

Hardware

CPU:	Itanium 2 Processor 9050 1600 MHz FSB 533MHz
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1, 2, 3 or 4 (chips)
Parallel:	No
Primary Cache:	16KB(I) + 16KB(D) on chip per core
Secondary Cache:	256KBI + 1MBD on chip per core
L3 Cache:	12MB (I+D) on chip per core
Other Cache:	N/A
Memory:	128 GB (32 x 4GB ECC DIMMs DDR2-533 PC4200 533MHz CL4)
Disk Subsystem:	2x10krpm 73GB SAS disks
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition (64 bits), Service Pack1
Compiler:	Intel(R) C++ Itanium(R) Compiler for Itanium(R)-based app., Version 9.1, - Build 20060928 Package ID: W_CC_C_9.1.032 Microsoft Platform SDK February 2003
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Portability flags:
 175.vpr:     -DSPEC_CPU2000_P64
 176.gcc:     -Dalloca=_alloca /F60000000
 181.mcf:     -DSPEC_CPU2000_P64
 186.crafty:  -DNT_i386
 252.eon:     -DSPEC_CPU2000_P64
 253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL -DSPEC_CPU2000_P64
              -DHAS_LONG_LONG -DUSE_LONG_LONG
 254.gap:     -DSPEC_CPU2000 -DSPEC_CPU2000_P64
 255.vortex:  -DSPEC_CPU2000_P64

Feedback optimization:
  +FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:
 for C programs:
 /fast /Qauto-ilp32 +FDO
 for C++ program 252.eon:
 /fast /Qcxx_features +FDO
```

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Notes/Tuning Information (Continued)

Peak Tuning Flags: basepeak=true

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