CINT2000 Result

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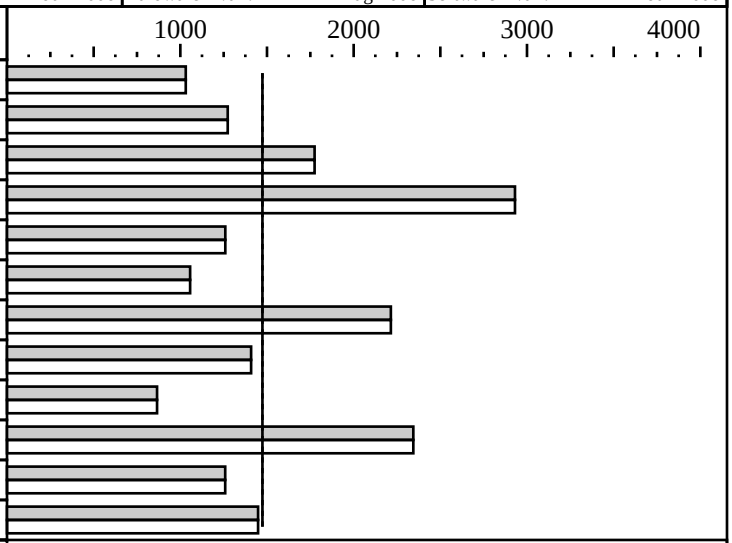
Bull
NovaScale 3045 (1600MHz)

SPECint2000 = 1474

SPECint_base2000 = 1474

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	136	1031	136	1031
175.vpr	1400	110	1273	110	1273
176.gcc	1100	62.0	1775	62.0	1775
181.mcf	1800	61.4	2931	61.4	2931
186.crafty	1000	79.4	1259	79.4	1259
197.parser	1800	170	1056	170	1056
252.eon	1300	58.7	2215	58.7	2215
253.perlbmk	1800	128	1408	128	1408
254.gap	1100	127	866	127	866
255.vortex	1900	81.1	2344	81.1	2344
256.bzip2	1500	119	1259	119	1259
300.twolf	3000	207	1449	207	1449



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:	16KBI + 16KBD on chip per core
Secondary Cache:	1MBI + 256KBD on chip per core
L3 Cache:	12MB (I+D) on chip per core
Other Cache:	N/A
Memory:	32 GB (32* 1GB ECC DIMMs DDR2-533 PC4200 533MHZ CL4)
Disk Subsystem:	2*10krpm 73GB SAS disks
Other Hardware:	

Software

Operating System:	Bull Advanced Server 4 (linux kernel 2.6.12 (64k pages), glibc 2.3.4)
Compiler:	Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)
File System:	ext3
System State:	Multi User

Notes/Tuning Information

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+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -fast -auto_ilp32 +FDO
  C++ programs:     -fast -ansi_alias +FDO

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca
  186.crafty: -DLINUX_i386
  252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST  -DFMAX_IS_DOUBLE
  253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_LINUX_IA64 -DSPEC_CPU2000_GLIBC22
  254.gap: -DSPEC_CPU2000_LP64 -DSYS_HAS_CALLOC_PROTO -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
  255.vortex: -DSPEC_CPU2000_LP64

Peak optimization flags: basepeak=true

The option "maxcpus=0 (ie=UP kernel)" was added to the "elilo.conf"
configuration file in order to invoke a uniprocessor environment.
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Notes/Tuning Information (Continued)

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4 memory boxes, with 8 DIMMs in each
For information about Bull please see:
http://www.bull.com
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