CINT2000 Result

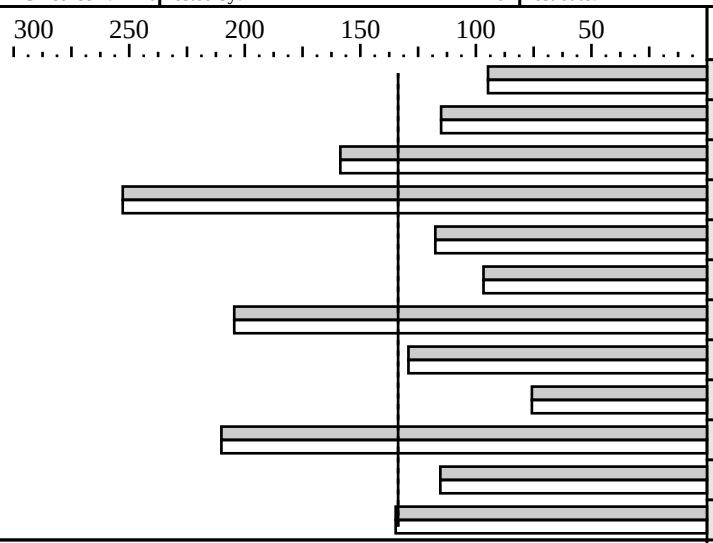
Copyright ©1999-2005, Standard Performance Evaluation Corporation

Bull
NovaScale 3045 (1600MHz)

SPECint_rate2000 = 134

SPECint_rate_base2000 = 134

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	137	94.7	8	137	94.7
175.vpr	8	113	115	8	113	115
176.gcc	8	64.3	159	8	64.3	159
181.mcf	8	66.1	253	8	66.1	253
186.crafty	8	78.9	118	8	78.9	118
197.parser	8	173	96.7	8	173	96.7
252.eon	8	59.0	205	8	59.0	205
253.perlbmk	8	129	129	8	129	129
254.gap	8	135	75.8	8	135	75.8
255.vortex	8	83.9	210	8	83.9	210
256.bzip2	8	121	115	8	121	115
300.twolf	8	207	135	8	207	135

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, 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

```
+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

Processes were bound to CPUs using pexec

4 memory boxes, with 8 DIMMs in each

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