



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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.perlbnk | 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

+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.perlbnk: -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.



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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

Notes/Tuning Information (Continued)

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