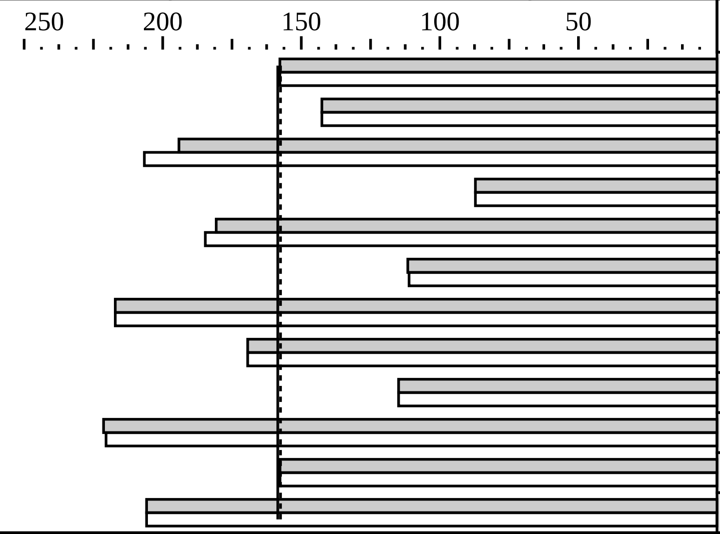
CINT2000 Result

Bull
NovaScale 5160 (1400MHz)

SPECint_rate2000 = 158
SPECint_rate_base2000 = 157

SPEC license #: 20	Tested by: JFL	Test date: Jul-2003	Hardware Avail: Sep-2003	Software Avail: Sep-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	165	158	16	165	158
175.vpr	16	182	143	16	182	143
176.gcc	16	105	194	16	98.8	207
181.mcf	16	383	87.2	16	383	87.2
186.crafty	16	103	181	16	101	185
197.parser	16	299	112	16	301	111
252.eon	16	111	217	16	111	217
253.perlbmk	16	197	169	16	197	169
254.gap	16	178	115	16	178	115
255.vortex	16	159	221	16	160	220
256.bzip2	16	177	158	16	177	158
300.twolf	16	271	206	16	271	206

Hardware

CPU:	Itanium 2 processor 1400 MHz
CPU MHz:	1400
FPU:	Integrated
CPU(s) enabled:	16 cores, 16 chips, 1 core/chip
CPU(s) orderable:	4 to 16
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	4MB (I+D) off chip
Other Cache:	N/A
Memory:	64 GB (4 *16 * 1GB DIMMs)
Disk Subsystem:	1 SJ0812 Disk drawer with 2 15krpm 36GB SCSI disks
Other Hardware:	

Software

Operating System:	Linux 64 bit : Red Hat Advanced Server 2.1 + Bull expansion Pack
Compiler:	Intel(R) C++ Compiler for Linux 7.1 (Build 20030605)
File System:	ext2
System State:	multi User

Notes/Tuning Information

```
  +FDO: PASS1=-prof_gen  PASS2=-prof_use

  Baseline optimization flags:
    C programs:       -ipo -O3 +FDO
    C++ programs:     -ipo -O2 +FDO -ansi_alias

  Portability Flags:
    176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca -D_LIBC
    186.crafty: -DLINUX_i386
    252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST
    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:
 164.gzip: basepeak=yes
 175.vpr: basepeak=yes
```

CINT2000 Result

Notes/Tuning Information (Continued)

```
176.gcc: +FDO -ipo -O2
164.gzip: basepeak=yes
186.crafty: +FDO -ipo -O2
197.parser: +FDO -ipo -O2
252.eon: basepeak=yes
253.perlbmk: basepeak=yes
254.gap: basepeak=yes
255.vortex: +FDO -ipo -O2
256.bzip2: basepeak=yes
300.twolf: basepeak=yes
```