CINT2000 Result

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ION Computer Systems

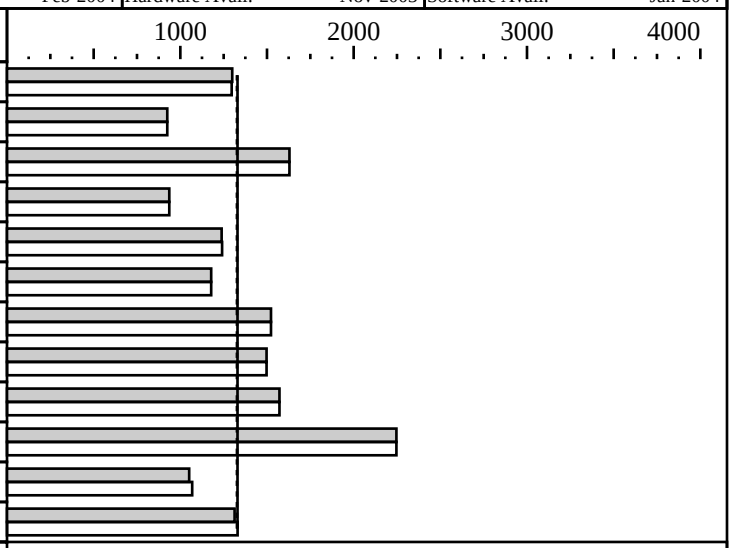
SR2300WV2 (3.2GHz Xeon processor w. 1MB L3 cache)

SPECint2000 = 1330

SPECint_base2000 = 1327

SPEC license #: 2697 | Tested by: ION | Test date: Feb-2004 | Hardware Avail: Nov-2003 | Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	108	1299	108	1296
175.vpr	1400	151	925	151	925
176.gcc	1100	67.5	1630	67.5	1630
181.mcf	1800	192	936	192	936
186.crafty	1000	80.8	1238	80.6	1241
197.parser	1800	153	1178	153	1178
252.eon	1300	85.4	1523	85.4	1523
253.perlbmk	1800	120	1497	120	1497
254.gap	1100	70.0	1572	70.0	1572
255.vortex	1900	84.6	2247	84.6	2247
256.bzip2	1500	143	1051	140	1068
300.twolf	3000	228	1313	226	1330



Hardware

CPU:	Intel Xeon processor, 533MHz system bus
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	None
Memory:	2 GB (2x1GB 2-2-2 DIMMs)
Disk Subsystem:	1x 80GB IDE
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES release 3
Compiler:	Intel(R) C++ Compiler for Linux 8.0 (Build 20031231Z)
File System:	ext2
System State:	Multi-user, 2.4.21 smp kernel

Notes/Tuning Information

```
Only 1 processor installed
HyperThreading disabled in BIOS

Portability Flags:
       176.gcc: -Dalloca=_alloca -DUSG
    186.crafty: -DLINUX_i386
       252.eon: -DHAS_ERRLIST
       252.eon: srcalt=fmax_errno
   253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
                -DSPEC_CPU2000_GLIBC22
       254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
                -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
    255.vortex: srcalt=closed_files

INT Baseline optimization flags:
    C programs: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
  C++ programs: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
INT Peak optimization flags:
      164.gzip: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
       175.vpr: basepeak=yes
```

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Notes/Tuning Information (Continued)

```
    176.gcc: basepeak=yes
    181.mcf: basepeak=yes
 186.crafty: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
 197.parser: basepeak=yes
    252.eon: basepeak=yes
253.perlbmk: basepeak=yes
    254.gap: basepeak=yes
 255.vortex: basepeak=yes
  256.bzip2: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -unroll1 -prof_use
  300.twolf: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
```