CINT2000 Result

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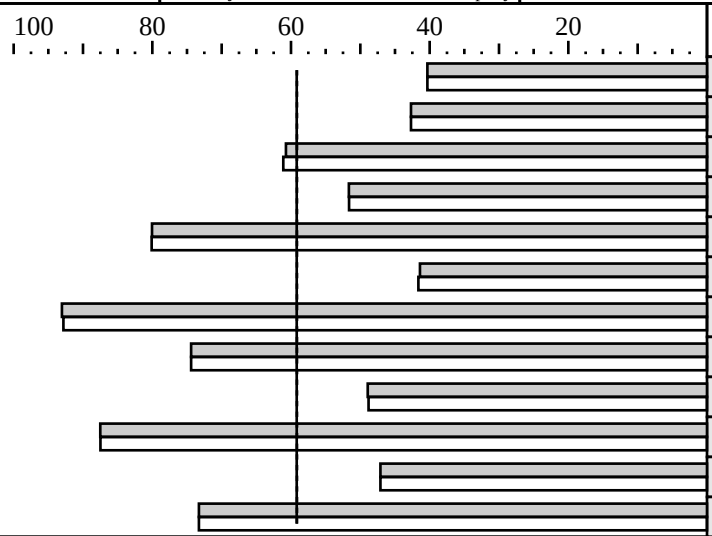
Hewlett-Packard Company

ProLiant DL140 G3 (3.0 GHz, Intel Xeon processor 5160)

SPECint_rate2000 = 59.2

SPECint_rate_base2000 = 59.1

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2006 | Hardware Avail: Jun-2006 | Software Avail: Oct-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	80.5	40.3	2	80.5	40.3
175.vpr	2	76.1	42.7	2	76.1	42.7
176.gcc	2	42.0	60.7	2	41.8	61.1
181.mcf	2	80.8	51.7	2	80.9	51.6
186.crafty	2	29.0	80.0	2	29.0	80.1
197.parser	2	101	41.4	2	100	41.6
252.eon	2	32.4	93.0	2	32.5	92.8
253.perlbmk	2	56.1	74.4	2	56.1	74.4
254.gap	2	52.2	48.9	2	52.3	48.8
255.vortex	2	50.4	87.5	2	50.4	87.5
256.bzip2	2	73.9	47.1	2	73.9	47.1
300.twolf	2	95.0	73.3	2	95.0	73.3

Hardware

CPU:	Intel Xeon processor 5160 (1333 MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	4 MB I+D on chip per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 GB (8 x 1 GB PC2-5300F)
Disk Subsystem:	1 x 36 GB 15 K SAS
Other Hardware:	

Software

Operating System:	RedHat Enterprise Linux 4.0 Advanced Server for AMD64/EM64T, Update 4 Kernel 2.6.9-42.ELsmp
Compiler:	Intel C++ Compiler for EM64T-based applications, (Version 9.1 Build 20060925)
File System:	ext2
System State:	Multi-user run level 3

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use
Base tuning for C programs:   -fast -auto_ilp32 +FDO ONESTEP=yes
Base tuning for C++ programs: -fast
Portability flags:
  -DSPEC_CPU2000_LP64 applied to all benchmarks
  176.gcc:     -Dalloca=_alloca -DUSG
  186.crafty:   -DLINUX_i386
  252.eon:     -DHAS_ERRLIST
  253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
  254.gap:     -DSYS_IS_USG -DSYS_HAS_CALLOC_PROTO
               -DSYS_HASMALLOC_PROTO -DSYS_HAS_IOCTL_PROTO
Peak tuning:
  164.gzip:    basepeak=1
  175.vpr:     basepeak=1
  176.gcc:     -fast -auto_ilp32     +FDO
  181.mcf:     -fast -auto_ilp32     +FDO    ONESTEP=yes
  186.crafty:  -fast -auto_ilp32     +FDO    ONESTEP=yes
  197.parser:  -fast -auto_ilp32     +FDO    ONESTEP=yes
  252.eon:     -fast                 +FDO
  253.perlbmk: basepeak=1
```

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Notes/Tuning Information (Continued)

```
    254.gap:     -fast                  +FDO    ONESTEP=yes
    255.vortex:  -fast -auto_ilp32      +FDO    ONESTEP=yes
    256.bzip2:   basepeak=1
    300.twolf:   basepeak=1
  BIOS Configuration Notes
    Adjacent Cache Line Prefetch Disabled
```