CINT2000 Result

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Hewlett-Packard Company

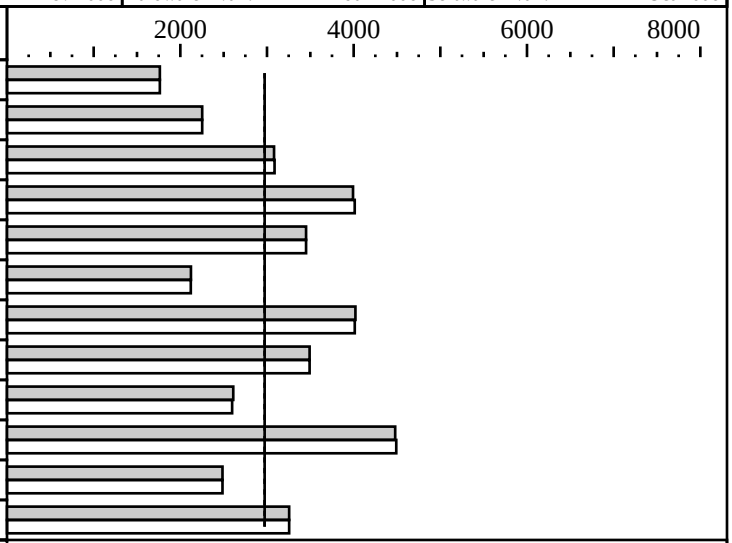
ProLiant DL140 G3 (3.0 GHz, Intel Xeon processor 5160)

SPECint2000 = 2973

SPECint_base2000 = 2972

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	79.4	1764	79.4	1764
175.vpr	1400	62.2	2252	62.2	2252
176.gcc	1100	35.7	3081	35.6	3087
181.mcf	1800	45.1	3993	44.9	4012
186.crafty	1000	29.0	3451	29.0	3451
197.parser	1800	84.8	2122	84.9	2121
252.eon	1300	32.3	4020	32.4	4013
253.perlbmk	1800	51.6	3492	51.6	3492
254.gap	1100	42.1	2611	42.3	2598
255.vortex	1900	42.4	4479	42.3	4491
256.bzip2	1500	60.3	2486	60.3	2486
300.twolf	3000	92.1	3256	92.1	3256



Hardware

CPU:	Intel Xeon processor 5160 (1333MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 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.EL
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
  Other Configuration Notes
    Single Processor Kernel used
```