CINT2000 Result

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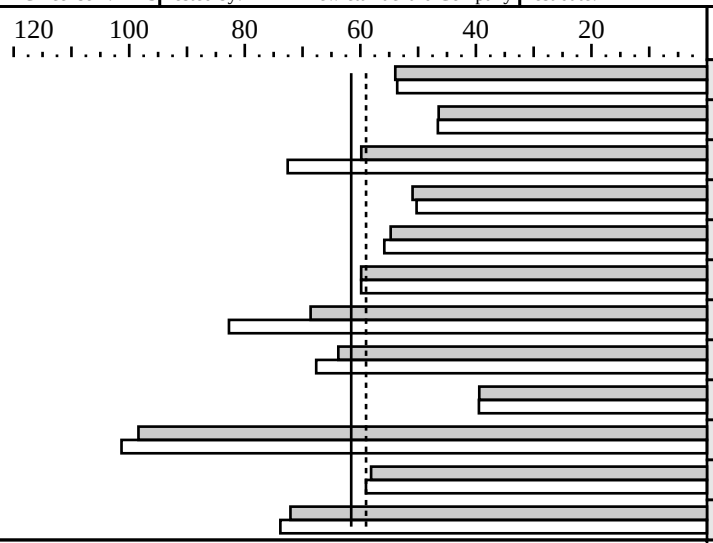
Hewlett-Packard Company

ProLiant DL580 G2 (3.0GHz, Intel Xeon MP)

SPECint_rate2000 = 61.6

SPECint_rate_base2000 = 59.0

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2004 | Hardware Avail: Feb-2004 | Software Avail: Mar-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	120	54.0	4	121	53.6
175.vpr	4	140	46.4	4	139	46.6
176.gcc	4	85.3	59.8	4	70.3	72.6
181.mcf	4	164	51.0	4	166	50.3
186.crafty	4	84.8	54.7	4	83.1	55.9
197.parser	4	140	59.9	4	140	59.9
252.eon	4	87.9	68.6	4	72.9	82.7
253.perlbmk	4	131	63.8	4	123	67.6
254.gap	4	130	39.4	4	129	39.5
255.vortex	4	89.6	98.4	4	87.0	101
256.bzip2	4	120	58.1	4	118	59.0
300.twolf	4	193	72.1	4	189	73.8

Hardware

CPU:	Intel Xeon MP (3.0GHz, 400MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (Hyper Threading Disabled)
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	4096KB(I+D) on chip
Other Cache:	N/A
Memory:	16x512MB PC1600
Disk Subsystem:	2x18.2GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Advanced Server (Build 2195 SP3)
Compiler:	Intel C++ Compiler 8.0 Build 20031211Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxN -Qipo -O3 +FDO ONESTEP=yes
Base tuning for C++ programs: -Qipo -GX -GR +FDO ONESTEP=yes
Portability flags:
  176.gcc: -Dalloca=_alloca /F10000000
  186.crafy: -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
  164.gzip:       -QxN -Qipo -Oa -O3 +FDO ONESTEP=yes
  175.vpr:        -QxN -Qipo -O3 +FDO ONESTEP=yes
  176.gcc:        -QxN -Qipo -Oi- -O3 +FDO ONESTEP=yes
  181.mcf:        -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  186.crafty:     -QxN -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  197.parser:     -QxN -Qipo -O3 +FDO ONESTEP=yes
  252.eon:        -QxN -Qipo -O3 +FDO ONESTEP=yes
  253.perlbmk:    -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  254.gap:        -QxN -Qipo -O3 +FDO ONESTEP=yes
  255.vortex:     -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  256.bzip2:      -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

```
  300.twolf:      -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
  Hyper Threading disabled
```