CINT2000 Result

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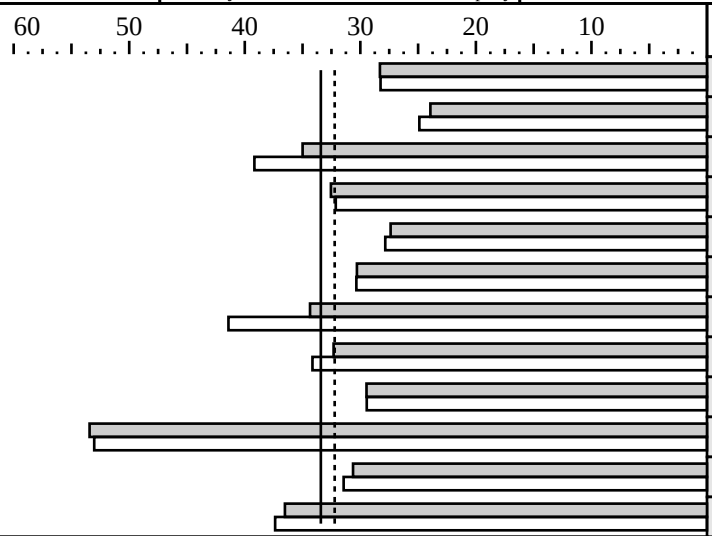
Hewlett-Packard Company

ProLiant DL580 G2 (3.0GHz, Intel Xeon MP)

SPECint_rate2000 = 33.4

SPECint_rate_base2000 = 32.2

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	2	115	28.3	2	115	28.3
175.vpr	2	136	23.9	2	130	24.9
176.gcc	2	72.9	35.0	2	65.2	39.2
181.mcf	2	128	32.5	2	130	32.1
186.crafty	2	84.7	27.4	2	83.3	27.8
197.parser	2	138	30.3	2	138	30.3
252.eon	2	87.8	34.4	2	72.8	41.4
253.perlbmk	2	129	32.3	2	122	34.1
254.gap	2	86.6	29.5	2	86.7	29.4
255.vortex	2	82.5	53.4	2	83.1	53.0
256.bzip2	2	114	30.6	2	111	31.4
300.twolf	2	191	36.5	2	186	37.4

Hardware

CPU:	Intel Xeon MP (3.0GHz, 400MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 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
```