CINT2000 Result

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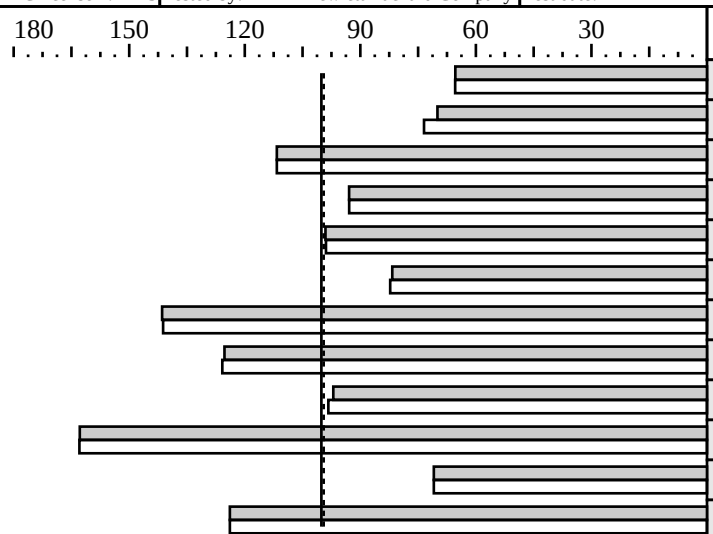
Hewlett-Packard Company

ProLiant DL380 G5 (2.33GHz, Intel Xeon processor 5140)

SPECint_rate2000 = 100

SPECint_rate_base2000 = 99.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	99.4	65.3	4	99.4	65.4
175.vpr	4	92.8	70.0	4	88.4	73.5
176.gcc	4	45.7	112	4	45.7	112
181.mcf	4	89.9	92.9	4	89.9	92.9
186.crafty	4	46.8	99.1	4	46.9	98.9
197.parser	4	102	81.7	4	102	82.2
252.eon	4	42.6	141	4	42.7	141
253.perlbmk	4	66.7	125	4	66.4	126
254.gap	4	52.6	97.0	4	51.9	98.3
255.vortex	4	54.1	163	4	54.1	163
256.bzip2	4	98.1	70.9	4	98.1	70.9
300.twolf	4	112	124	4	112	124

Hardware

CPU:	Intel Xeon processor 5140 (2.33GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz:	2330
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 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:	16 GB (8x2048 MB PC2-5300F)
Disk Subsystem:	1x36 GB 10 K SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) 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:   -fast         +FDO  ONESTEP=yes shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO  ONESTEP=yes
Portability flags:
  176.gcc: -Dalloca=_alloca /F10000000
  186.crafty: -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
  164.gzip:     -fast               +FDO  ONESTEP=yes
  175.vpr:      -fast               +FDO  ONESTEP=yes
  176.gcc:      basepeak=1
  181.mcf:      -fast               +FDO  ONESTEP=yes shlw32M.lib
  186.crafty:   -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  197.parser:   -fast               +FDO  ONESTEP=yes
  252.eon:      -fast               +FDO
  253.perlbmk:  -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  254.gap:      -fast               +FDO  ONESTEP=yes
  255.vortex:   -fast               +FDO  ONESTEP=yes shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
    256.bzip2:    basepeak=1
    300.twolf:    -fast               +FDO              shlw32M.lib
  BIOS Configuration Notes
    Power Regulator set to Static High Performance Mode
    Adjacent Sector Prefetch disabled
```