CINT2000 Result

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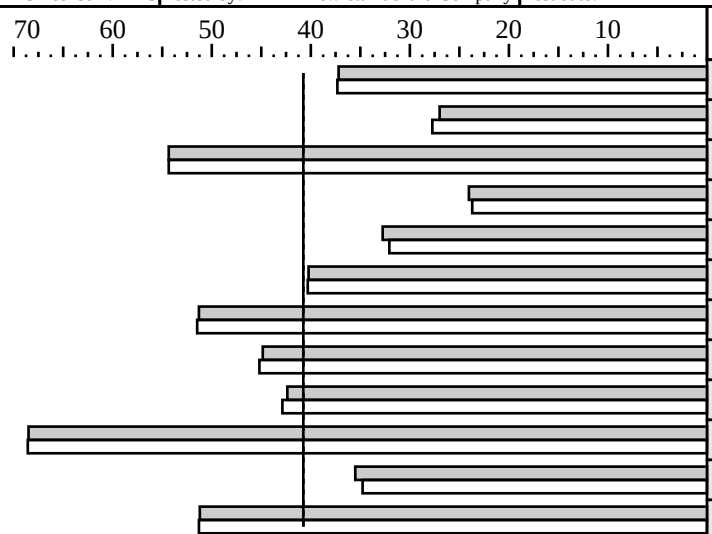
Hewlett-Packard Company
ProLiant DL140 G2 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 40.8

SPECint_rate_base2000 = 40.8

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2005 | Hardware Avail: May-2005 | Software Avail: May-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	175	37.2	4	174	37.3
175.vpr	4	241	27.0	4	234	27.7
176.gcc	4	93.9	54.3	4	93.9	54.3
181.mcf	4	347	24.0	4	352	23.7
186.crafty	4	142	32.7	4	145	32.1
197.parser	4	208	40.2	4	207	40.3
252.eon	4	118	51.3	4	117	51.5
253.perlbmk	4	186	44.9	4	185	45.2
254.gap	4	120	42.4	4	119	42.9
255.vortex	4	129	68.5	4	129	68.6
256.bzip2	4	196	35.5	4	200	34.8
300.twolf	4	272	51.2	4	271	51.3

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1024MB PC2-3200
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20050524Z 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:           -fast -Oa -Qunroll1 +FDO  ONESTEP=yes shlw32M.lib
    300.twolf:           -fast               +FDO              shlw32M.lib
  BIOS Configuration Notes
    Hyper-Threading Technology enabled
```