CINT2000 Result

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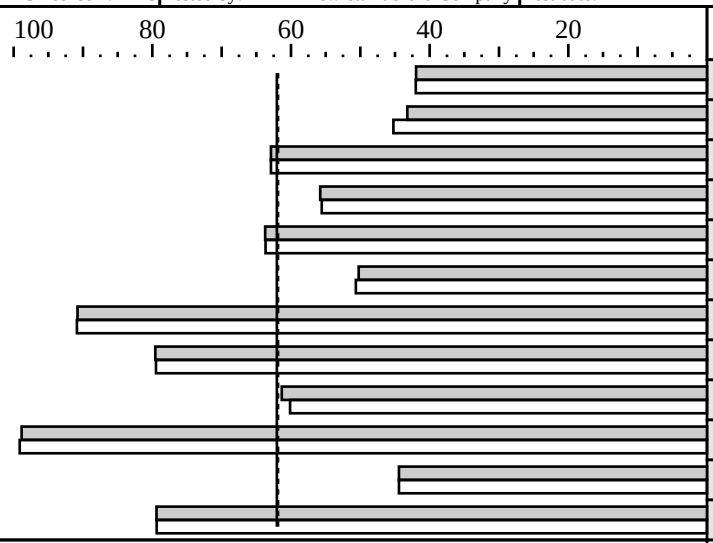
Hewlett-Packard Company

ProLiant ML370 G5 (3.0GHz, Intel Xeon processor 5160)

SPECint_rate2000 = 62.0

SPECint_rate_base2000 = 61.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	77.4	42.0	2	77.3	42.0
175.vpr	2	75.1	43.2	2	71.8	45.2
176.gcc	2	40.6	62.9	2	40.6	62.9
181.mcf	2	74.9	55.8	2	75.2	55.6
186.crafty	2	36.4	63.7	2	36.4	63.7
197.parser	2	83.1	50.2	2	82.5	50.6
252.eon	2	33.2	90.8	2	33.2	90.9
253.perlbmk	2	52.5	79.6	2	52.5	79.5
254.gap	2	41.6	61.3	2	42.4	60.1
255.vortex	2	44.6	98.8	2	44.5	99.1
256.bzip2	2	78.3	44.4	2	78.3	44.4
300.twolf	2	87.7	79.4	2	87.7	79.4

Hardware

CPU:	Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KB (I) + 32KB (D) (on chip) per core
Secondary Cache:	4096KB(I+D) (on chip) shared
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x2048MB PC2-5300F
Disk Subsystem:	1x36GB 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
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
    Adjacent Sector Prefetch was disabled
```