CINT2000 Result

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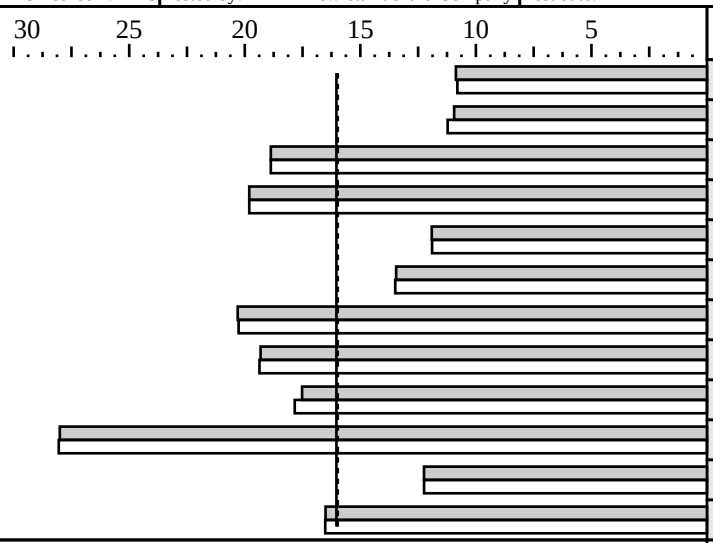
Hewlett-Packard Company

ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECint_rate2000 = 16.0

SPECint_rate_base2000 = 16.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	149	10.9	1	150	10.8
175.vpr	1	148	10.9	1	145	11.2
176.gcc	1	67.6	18.9	1	67.6	18.9
181.mcf	1	105	19.8	1	105	19.8
186.crafty	1	97.4	11.9	1	97.5	11.9
197.parser	1	155	13.5	1	155	13.5
252.eon	1	74.3	20.3	1	74.4	20.3
253.perlbmk	1	108	19.3	1	108	19.4
254.gap	1	72.8	17.5	1	71.5	17.8
255.vortex	1	78.7	28.0	1	78.6	28.0
256.bzip2	1	142	12.2	1	142	12.2
300.twolf	1	211	16.5	1	211	16.5

Hardware

CPU:	Intel dual-core Xeon (2.8GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2-3200
Disk Subsystem:	1x72.8GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20050624Z) 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 disabled
  Other Configuration Notes
    /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```