CINT2000 Result

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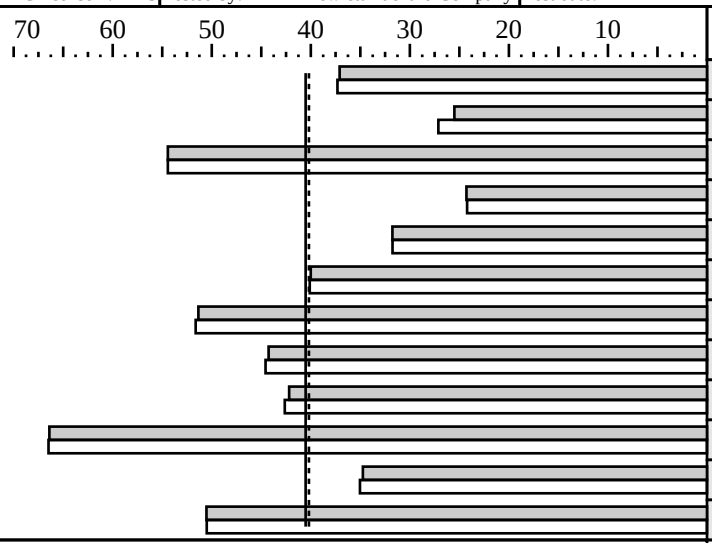
Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 40.5

SPECint_rate_base2000 = 40.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	175	37.1	4	174	37.3
175.vpr	4	255	25.5	4	240	27.1
176.gcc	4	93.8	54.4	4	93.8	54.4
181.mcf	4	344	24.3	4	345	24.2
186.crafty	4	146	31.8	4	146	31.8
197.parser	4	209	40.0	4	208	40.1
252.eon	4	117	51.3	4	117	51.6
253.perlbmk	4	189	44.3	4	187	44.6
254.gap	4	121	42.2	4	120	42.6
255.vortex	4	133	66.4	4	133	66.5
256.bzip2	4	200	34.7	4	199	35.0
300.twolf	4	275	50.5	4	276	50.5

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:	4x2048MB PC2-3200
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 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
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
```