CINT2000 Result

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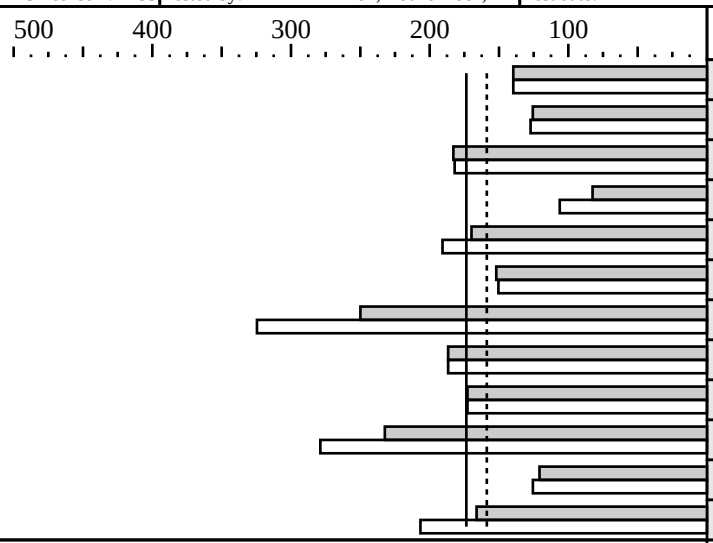
Dell

PowerEdge 6950 (AMD Opteron (TM) 8220SE)

SPECint_rate2000 = 174

SPECint_rate_base2000 = 159

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Oct-2006 | Hardware Avail: Dec-2006 | Software Avail: Apr-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	93.0	140	8	93.0	140
175.vpr	8	103	126	8	102	127
176.gcc	8	55.8	183	8	56.1	182
181.mcf	8	202	82.5	8	157	106
186.crafty	8	54.6	170	8	48.7	191
197.parser	8	110	152	8	111	150
252.eon	8	48.3	250	8	37.2	325
253.perlbmk	8	89.5	187	8	89.5	187
254.gap	8	59.1	173	8	59.1	173
255.vortex	8	75.9	232	8	63.2	279
256.bzip2	8	115	121	8	111	126
300.twolf	8	168	166	8	135	207

Hardware

CPU:	AMD Opteron (TM) 8220SE
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip
CPU(s) orderable:	2,4
Parallel:	No
Primary Cache:	64KB(I) + 64KB(D) on chip, per core
Secondary Cache:	1MB(I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	32GB (16 x 2GB PC2-5300P CL5)
Disk Subsystem:	1 x 73GB 15K 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 8.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast -arch:SSE2 -Oi- +FDO ONESTEP=yes
Base tuning for C++ programs: -fast -Qcxx_features -arch:SSE2 +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:    basepeak=yes
  175.vpr:     -fast -arch:SSE2 -Qoption,c,-ip_ninl_max_stats=2000
               -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
  176.gcc:     -fast -arch:SSE2 -Oi- -Qunroll3          +FDO
  181.mcf:     -O3 -Qipo -QaxN                         +FDO ONESTEP=yes shlw32M.lib
  186.crafty:  -fast -arch:SSE2                         +FDO ONESTEP=yes
  197.parser:  -arch:SSE2 -Oi- -Qipo                    +FDO ONESTEP=yes
  252.eon:     -fast -arch:SSE2 -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000
               -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
  253.perlbmk: basepeak=yes
  254.gap:     basepeak=yes
```

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Notes/Tuning Information (Continued)

```
    255.vortex:  -fast -arch:SSE2 -Oi- -Qoption,c,-ip_ninl_max_stats=2000
                 -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes shlw32M.lib
    256.bzip2:   -O3 -Qipo -QaxN  -Qunroll2                              shlw32M.lib
    300.twolf:   -fast -arch:SSE2 -Qansi_alias           +FDO ONESTEP=yes shlw32M.lib
  Other Configuration Notes
    The start /b /wait /affinity command is used to bind CPU(s) to processes.
```