



# CINT2000 Result

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Dell  
PowerEdge 2850 (3.6GHz, Intel Xeon)

SPECint\_rate2000 = 33.2  
SPECint\_rate\_base2000 = 31.5

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Aug-2004 | Hardware Avail: Aug-2004 | Software Avail: Aug-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	121	26.8	2	121	26.9
175.vpr	2	151	21.5	2	151	21.5
176.gcc	2	63.6	40.1	2	63.6	40.1
181.mcf	2	219	19.0	2	219	19.1
186.crafty	2	76.4	30.4	2	75.2	30.8
197.parser	2	138	30.3	2	138	30.3
252.eon	2	75.8	39.8	2	63.0	47.9
253.perlbnk	2	110	37.9	2	97.7	42.7
254.gap	2	67.1	38.0	2	67.1	38.0
255.vortex	2	78.2	56.4	2	78.2	56.4
256.bzip2	2	147	23.7	2	145	24.0
300.twolf	2	225	30.9	2	168	41.3

### Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)  
 CPU MHz: 3600  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (HT Technology disabled)  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 16K(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 1024KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4 x 2GB ECC DDR2-400 SDRAM  
 Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI  
 Other Hardware:

### Software

Operating System: Windows Enterprise Server 2003  
 Compiler: Intel C/C++ Compiler 8.0 (20040318Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
 +FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
 186.crafty: -DNT\_i386  
 253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### BASE TUNING

C: -QxP -Qipo -O3 +FDO  
 C++: -QxP -Qipo -GX -GR

### PEAK TUNING

164.gzip: -QxP -Qipo -O3 -Oa +FDO  
 175.vpr: basepeak=yes  
 176.gcc: basepeak=yes  
 181.mcf: -QxP -Qipo -O3 +FDO shlw32M.lib  
 186.crafty: -QxP -Qipo -O3 -Oa +FDO shlw32M.lib  
 197.parser: basepeak=yes  
 252.eon: -QxP -Qipo -O3 +FDO  
 253.perlbnk: -QxP -Qipo -O3 +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo      -Oa -Qunroll1 +FDO shlW32M.lib
300.twolf:    -QxP -Qipo -O3      +FDO shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib:  MicroQuill SmartHeap Library 7.1
              www.microquill.com
```