



# CINT2000 Result

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**Dell**  
**PowerEdge 2850 (3.8GHz Intel Xeon)**

SPECint\_rate2000 = 42.0

SPECint\_rate\_base2000 = 41.0

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Aug-2005 | Hardware Avail: Oct-2005 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	166	39.0	4	167	38.8
175.vpr	4	234	27.7	4	234	27.7
176.gcc	4	92.2	55.4	4	92.2	55.4
181.mcf	4	340	24.6	4	340	24.6
186.crafty	4	141	33.0	4	136	34.0
197.parser	4	201	41.6	4	201	41.6
252.eon	4	110	54.6	4	110	54.7
253.perlbnk	4	191	43.8	4	178	46.9
254.gap	4	109	46.9	4	109	46.9
255.vortex	4	136	64.6	4	136	64.7
256.bzip2	4	196	35.4	4	195	35.7
300.twolf	4	324	42.9	4	262	53.0

### Hardware

CPU: Intel Xeon (3.8GHz, 2MB L2, 800MHz system bus)  
 CPU MHz: 3800  
 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: 12KB(I) + 16KB(D) on chip  
 Secondary Cache: 2048KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM  
 Disk Subsystem: 1 x 36GB 15000RPM SCSI  
 Other Hardware: None

### Software

Operating System: Windows Server 2003, Standard Edition, Service Pack 1  
 Compiler: Intel C/C++ Compiler 8.1 for IA32 (20041119Z)  
 Microsoft Visual Studio .NET 2003(7.1.3088, for libraries)  
 MicroQuill SmartHeap Library 7.1  
 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  
 252.eon: srcalt=stdcpp  
 253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### BASE TUNING

C: -fast -Qansi\_alias +FDO  
 C++: -fast -Qcxx\_features +FDO

### PEAK TUNING

164.gzip: -fast -Qansi\_alias -Oa +FDO  
 175.vpr: basepeak=yes  
 176.gcc: basepeak=yes  
 181.mcf: basepeak=yes  
 186.crafty: -fast -Oa +FDO shlw32M.lib  
 197.parser: basepeak=yes  
 252.eon: -fast +FDO



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## Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap:      basepeak=yes
255.vortex   -fast +FDO
256.bzip2:   -fast -Qunroll11 -Oa +FDO
300.twolf:   -fast +FDO shlw32M.lib
```