



# CINT2000 Result

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**Dell**  
**PowerEdge 2800 (3.8GHz Intel Xeon)**

SPECint\_rate2000 = **42.1**  
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	39.1	4	167	38.8
175.vpr	4	231	28.1	4	231	28.1
176.gcc	4	91.4	55.8	4	91.4	55.8
181.mcf	4	341	24.5	4	341	24.5
186.crafty	4	140	33.2	4	136	34.0
197.parser	4	200	41.7	4	200	41.7
252.eon	4	110	54.7	4	110	54.8
253.perlbnk	4	189	44.1	4	178	47.0
254.gap	4	112	45.5	4	112	45.5
255.vortex	4	135	65.1	4	136	65.0
256.bzip2	4	195	35.7	4	194	36.0
300.twolf	4	327	42.5	4	261	53.4

### 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
```