



# CINT2000 Result

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## Dell

PowerEdge 1955 (Intel Xeon processor 5140, 2.33GHz)

SPECint\_rate2000 = 95.6

SPECint\_rate\_base2000 = 95.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	98.7	65.8	4	98.9	65.7
175.vpr	4	89.0	73.0	4	87.7	74.1
176.gcc	4	51.1	100.0	4	51.1	100.0
181.mcf	4	93.6	89.2	4	93.6	89.2
186.crafty	4	47.0	98.8	4	47.0	98.7
197.parser	4	113	73.7	4	113	74.0
252.eon	4	42.6	141	4	42.7	141
253.perlbnk	4	66.4	126	4	66.4	126
254.gap	4	67.8	75.3	4	67.3	75.8
255.vortex	4	54.3	162	4	54.3	162
256.bzip2	4	105	66.3	4	103	67.3
300.twolf	4	112	124	4	112	124

### Hardware

CPU: Intel Xeon processor 5140 (1333MHz system bus)  
 CPU MHz: 2333  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
 Secondary Cache: 4096KB(I+D) on chip, shared  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 1GB 667MHz ECC CL5 DDR2 FB-DIMM  
 Disk Subsystem: 1 x 73GB SAS 10000 RPM  
 Other Hardware: None

### Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)  
 Compiler: Intel C++ Compiler 9.1 for IA32(20060323Z)  
 Microsoft Visual Studio .NET 2003(7.1.3088)  
 MicroQuill SmartHeap Library 8.0  
 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: -fast +FDO shlw32m.lib  
 C++: -fast -Qcxx\_features +FDO

### PEAK TUNING

164.gzip: -fast +FDO  
 175.vpr: -fast +FDO  
 176.gcc: basepeak=yes  
 181.mcf: basepeak=yes  
 186.crafty: -fast -Oa +FDO shlw32m.lib  
 197.parser: -fast +FDO  
 252.eon: -fast +FDO  
 253.perlbnk: basepeak=yes



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## Notes/Tuning Information (Continued)

254.gap: -fast +FDO  
255.vortex basepeak=yes  
256.bzip2: -fast -Qunroll11 -Oa +FDO  
300.twolf: basepeak=yes