



# CINT2000 Result

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Dell

PowerEdge 2950 (Intel Xeon processor E5320, 1.86 GHz)

SPECint\_rate2000 = 148

SPECint\_rate\_base2000 = 148

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	127	103	8	127	102
175.vpr	8	122	106	8	121	108
176.gcc	8	60.1	170	8	60.1	170
181.mcf	8	156	107	8	156	107
186.crafty	8	58.9	158	8	59.0	157
197.parser	8	131	127	8	131	128
252.eon	8	53.4	226	8	53.4	226
253.perlbnk	8	81.7	204	8	81.7	204
254.gap	8	94.1	108	8	93.3	109
255.vortex	8	70.1	252	8	70.1	252
256.bzip2	8	127	110	8	126	111
300.twolf	8	141	197	8	141	197

### Hardware

CPU: Quad-Core Intel Xeon processor E5320 (1066 MHz system bus)  
CPU MHz: 1866  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8 MB I+D on chip, per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (8 x 1 GB 667 MHz CL5 FB-DIMM DDR2 SDRAM)  
Disk Subsystem: 1 x 80GB SATA 7200 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(20060519Z)  
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
BIOS SETTINGS
  Adjacent Cache Line Prefetch disabled in BIOS
```