



# CINT2000 Result

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**Dell**  
**PowerEdgeSC 1425(3.6 GHz Intel Xeon)**

SPECint2000 = **1541**  
SPECint\_base2000 = **1463**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	118	1185	118	1185	
175.vpr	1400	141	992	141	992	
176.gcc	1100	59.5	1849	59.5	1849	
181.mcf	1800	148	1214	145	1242	
186.crafty	1000	76.0	1315	74.8	1336	
197.parser	1800	133	1354	133	1354	
252.eon	1300	75.5	1723	62.7	2073	
253.perlbmk	1800	108	1674	96.0	1874	
254.gap	1100	58.6	1876	58.6	1876	
255.vortex	1900	75.8	2508	75.8	2508	
256.bzip2	1500	138	1090	134	1122	
300.twolf	3000	217	1382	168	1790	

### Hardware

CPU: Intel Xeon (3.6 GHz, 1MB L2, 800MHz system bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x512MB (dual-ranked) ECC DDR2-400 SDRAM  
Disk Subsystem: 1 x 36GB 15000RPM SCSI  
Other Hardware: None

### Software

Operating System: Windows 2003 Server, Standard Edition  
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.perlbmk: -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.perlbmk: -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
```