



CINT2000 Result

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Dell
PowerEdge 1950 (Intel Xeon processor 5140, 2.33GHz)

SPECint2000 = **2455**
SPECint_base2000 = **2451**

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|-------------|----------------|--------------|------------|---------|-------|--|
| 164.gzip | 1400 | 96.5 | 1451 | 96.5 | 1450 | |
| 175.vpr | 1400 | 77.7 | 1802 | 76.2 | 1838 | |
| 176.gcc | 1100 | 39.4 | 2789 | 39.4 | 2789 | |
| 181.mcf | 1800 | 50.7 | 3552 | 50.7 | 3552 | |
| 186.crafty | 1000 | 47.0 | 2127 | 47.1 | 2124 | |
| 197.parser | 1800 | 92.8 | 1940 | 92.6 | 1944 | |
| 252.eon | 1300 | 42.6 | 3053 | 42.7 | 3048 | |
| 253.perlbmk | 1800 | 62.9 | 2863 | 62.9 | 2863 | |
| 254.gap | 1100 | 44.9 | 2448 | 44.7 | 2462 | |
| 255.vortex | 1900 | 46.6 | 4079 | 46.6 | 4079 | |
| 256.bzip2 | 1500 | 80.3 | 1869 | 80.5 | 1864 | |
| 300.twolf | 3000 | 112 | 2691 | 112 | 2691 | |

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 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(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.perlbmk: -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.perlbmk: basepeak=yes



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Dell

PowerEdge 1950 (Intel Xeon processor 5140, 2.33GHz)

SPECint2000 = 2455

SPECint_base2000 = 2451

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

Notes/Tuning Information (Continued)

```
254.gap:      -fast +FDO
255.vortex    basepeak=yes
256.bzip2:    -fast -Qunroll11 -Oa +FDO
300.twolf:    basepeak=yes
BIOS SETTINGS
Snoop Filter enabled in BIOS
```