



CINT2000 Result

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Dell

PowerEdge 2950 (Intel® Xeon® processor 5160, 3.00GHz)

SPECint_rate2000 = 123

SPECint_rate_base2000 = 123

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	77.2	84.1	4	77.3	84.0
175.vpr	4	77.9	83.3	4	76.9	84.5
176.gcc	4	39.8	128	4	39.8	128
181.mcf	4	76.7	109	4	76.7	109
186.crafty	4	36.5	127	4	36.6	127
197.parser	4	83.1	100	4	82.9	101
252.eon	4	33.1	182	4	33.2	182
253.perlbnk	4	51.6	162	4	51.6	162
254.gap	4	45.1	113	4	45.0	113
255.vortex	4	44.8	197	4	44.8	197
256.bzip2	4	78.2	89.1	4	79.1	88.0
300.twolf	4	87.6	159	4	87.6	159

Hardware

CPU: Intel® Xeon® processor 5160 (1333MHz system bus)
CPU MHz: 3000
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/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
BIOS SETTINGS
Adjacent Cache Line Prefetch disabled in BIOS
Enabled 'Snoop Filter' in BIOS
```