



CINT2000 Result

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Bull

NovaScale B260 (Intel Xeon processor E5320, 1.86 GHz)

SPECint_rate2000 = 138

SPECint_rate_base2000 = 137

SPEC license #: 20 | Tested by: Bull | Test date: Dec-2006 | Hardware Avail: Jan-2007 | Software Avail: Dec-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	127	102	8	128	102
175.vpr	8	138	94.3	8	136	95.4
176.gcc	8	67.5	151	8	67.5	151
181.mcf	8	199	84.1	8	199	84.1
186.crafty	8	58.8	158	8	58.8	158
197.parser	8	133	126	8	133	126
252.eon	8	53.5	225	8	53.5	225
253.perlbnk	8	84.3	198	8	84.3	198
254.gap	8	125	81.6	8	124	82.1
255.vortex	8	72.7	243	8	72.7	243
256.bzip2	8	132	106	8	132	106
300.twolf	8	139	200	8	139	200

Hardware

CPU: Intel Xeon Processor E5320 (1.86 GHz, 8MB L2, 1066MHz bus)
 CPU MHz: 1860
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1 to 2 chips
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core
 Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared by 2 cores)
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8GB (2GB DIMMx4, FB-DIMM PC2-5300F ECC CL5)
 Disk Subsystem: 1x73GB SAS 10000 rpm
 Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits), Service Pack 1
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1, - Build 20061103Z Package ID: W_CC_C_9.1.033
 Microsoft Visual Studio .NET 2003 (for libraries)
 MicroQuill SmartHeap Library 8.0 (shlW32M.lib)
 File System: NTFS
 System State: Default

Notes/Tuning Information

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
```

Feedback optimization:

```
+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
```

Baseline Tuning Flags:

```
for C programs:
-fast +FDO ONESTEP=yes shlW32M.lib
for C++ program 252.eon:
-fast -Qcxx_features +FDO ONESTEP=yes
```

Peak Tuning Flags:

```
164.gzip: -fast +FDO ONESTEP=yes
175.vpr: -fast +FDO ONESTEP=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
```



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Notes/Tuning Information (Continued)

186.crafty: basepeak=yes
197.parser: -fast +FDO ONESTEP=yes
252.eon: basepeak=yes
253.perlbnk: basepeak=yes
254.gap: -fast +FDO ONESTEP=yes
255.vortex: basepeak=yes
256.bzip2: basepeak=yes
300.twolf: basepeak=yes

Other Configuration Notes

For information about Bull please see:
<http://www.bull.com>