



CINT2000 Result

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Bull

NovaScale B260 (Intel Xeon processor E5335, 2.00 GHz)

SPECint2000 = 2105

SPECint_base2000 = 2101

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	113	1242	113	1240	
175.vpr	1400	90.2	1553	88.4	1584	
176.gcc	1100	46.0	2393	46.0	2393	
181.mcf	1800	54.8	3282	54.8	3282	
186.crafty	1000	54.8	1823	54.8	1823	
197.parser	1800	108	1664	108	1668	
252.eon	1300	50.0	2602	50.0	2602	
253.perlbmk	1800	74.9	2402	74.9	2402	
254.gap	1100	54.0	2038	54.0	2038	
255.vortex	1900	53.9	3526	53.9	3526	
256.bzip2	1500	96.8	1550	96.8	1550	
300.twolf	3000	129	2318	129	2318	

Hardware

CPU: Intel Xeon Processor E5335 (2.00 GHz, 8MB L2, 1333MHz bus)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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.perlbmk: -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.perlbmk: basepeak=yes
254.gap: -fast +FDO ONESTEP=yes
255.vortex: basepeak=yes
256.bzip2: basepeak=yes
300.twolf: basepeak=yes
```

Other Configuration Notes

```
/NUMPROC=1 flag was added to boot.ini to invoke
uniprocessor environment
```

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