



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Bull

NovaScale R440 (Intel Xeon processor 5130, 2.00 GHz)

SPECint2000 = 2076

SPECint_base2000 = 2073

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	113	1237	113	1237	[Bar chart showing ratio]			
175.vpr	1400	92.0	1521	90.1	1553	[Bar chart showing ratio]			
176.gcc	1100	49.5	2224	49.5	2224	[Bar chart showing ratio]			
181.mcf	1800	57.5	3132	57.5	3132	[Bar chart showing ratio]			
186.crafty	1000	55.0	1818	55.0	1818	[Bar chart showing ratio]			
197.parser	1800	109	1652	109	1658	[Bar chart showing ratio]			
252.eon	1300	50.3	2583	50.3	2583	[Bar chart showing ratio]			
253.perlbmk	1800	74.0	2434	74.0	2434	[Bar chart showing ratio]			
254.gap	1100	53.6	2051	53.8	2043	[Bar chart showing ratio]			
255.vortex	1900	54.9	3460	54.9	3460	[Bar chart showing ratio]			
256.bzip2	1500	97.7	1535	97.7	1535	[Bar chart showing ratio]			
300.twolf	3000	129	2333	129	2333	[Bar chart showing ratio]			

Hardware

CPU: Intel Xeon Processor 5130 (1332MHz bus)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip
CPU(s) orderable: 1 to 2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4096KB(I+D) on chip per chip (shared)
L3 Cache: N/A
Other Cache: N/A
Memory: 8GB (8x1GB 533MHz ECC CL4 DDR2 FB-DIMM)
Disk Subsystem: 2x36GB SAS 15000 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 20060927Z Package ID: W_CC_C_9.1.032
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: basepeak=yes
175.vpr: -fast +FDO ONESTEP=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
```



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Bull

NovaScale R440 (Intel Xeon processor 5130, 2.00 GHz)

SPECint2000 = 2076

SPECint_base2000 = 2073

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

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

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

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