



# CINT2000 Result

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**Bull**  
**NovaScale Blade 2021 (3.6 GHz Xeon)**

SPECint2000 = **1735**  
SPECint\_base2000 = **1735**

SPEC license #: 20 Tested by: Bull Test date: May-2006 Hardware Avail: Dec-2005 Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	118	1191	118	1191	[Bar chart showing ratio]			
175.vpr	1400	119	1174	119	1174	[Bar chart showing ratio]			
176.gcc	1100	52.8	2083	52.8	2083	[Bar chart showing ratio]			
181.mcf	1800	96.5	1864	96.5	1864	[Bar chart showing ratio]			
186.crafty	1000	74.2	1349	74.2	1349	[Bar chart showing ratio]			
197.parser	1800	122	1472	122	1472	[Bar chart showing ratio]			
252.eon	1300	57.3	2268	57.3	2268	[Bar chart showing ratio]			
253.perlbmk	1800	82.6	2179	82.6	2179	[Bar chart showing ratio]			
254.gap	1100	57.1	1927	57.1	1927	[Bar chart showing ratio]			
255.vortex	1900	62.4	3045	62.4	3045	[Bar chart showing ratio]			
256.bzip2	1500	116	1297	116	1297	[Bar chart showing ratio]			
300.twolf	3000	164	1834	164	1834	[Bar chart showing ratio]			

### Hardware

CPU: Intel Xeon Processor (3.6GHz Xeon, 2MB L2, 800MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1 to 2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4GB (1GB DIMMx4, 2-way interleaved DDR2-400, CL3)  
Disk Subsystem: 2x73GB SCSI 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 9.0, - Build 20060222Z Package ID: W\_CC\_C\_9.0.030  
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: Basepeak=yes

#### Other Configuration Notes

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



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## Notes/Tuning Information (Continued)

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