



# CINT2000 Result

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## IBM Corporation

IBM BladeCenter HS21 XM ( 3.0 GHz Xeon 5160, 4MB L2 Cache)

SPECint2000 = --

SPECint\_base2000 = 2978

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2007 | Hardware Avail: Feb-2007 | Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	75.9	1845			
175.vpr	1400	65.2	2147			
176.gcc	1100	38.1	2888			
181.mcf	1800	40.9	4404			
186.crafty	1000	35.9	2783			
197.parser	1800	78.9	2283			
252.eon	1300	33.3	3901			
253.perlbmk	1800	49.9	3606			
254.gap	1100	39.0	2819			
255.vortex	1900	38.5	4935			
256.bzip2	1500	66.8	2247			
300.twolf	3000	86.7	3460			

### Hardware

CPU: Intel Xeon processor 5160 (3.0 GHz, 1333 MHz 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 (per chip)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 2048 MB ECC PC2-5300F  
Disk Subsystem: 73GB SAS 10K RPM  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)  
Compiler: Intel C++ Compiler 9.1 for 32-bit applications  
Build 20060323Z  
Microsoft Visual Studio 2005(for libraries)  
SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```