



# CINT2000 Result

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## IBM Corporation

IBM eServer xSeries 260 (3.66 GHz Xeon MP, 1MB L2 Cache)

SPECint\_rate2000 = 68.2

SPECint\_rate\_base2000 = 67.8

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Aug-2005 | Software Avail: Jun-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	182	71.4	8	179	72.8
175.vpr	8	329	39.5	8	320	40.5
176.gcc	8	135	75.5	8	135	75.5
181.mcf	8	415	40.2	8	416	40.2
186.crafty	8	145	63.9	8	144	64.3
197.parser	8	228	73.2	8	228	73.3
252.eon	8	113	107	8	113	107
253.perlbnk	8	180	92.8	8	180	93.0
254.gap	8	164	62.3	8	161	63.3
255.vortex	8	144	122	8	145	122
256.bzip2	8	251	55.5	8	250	55.8
300.twolf	8	498	55.9	8	498	55.9

### Hardware

CPU: Intel Xeon MP 3.66 GHz (667 MHz system bus)  
CPU MHz: 3667  
FPU: Integrated  
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2,3,4  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 16 x 2048 MB ECC PC2-3200 Dual Rank  
Disk Subsystem: 73GB SAS 15K RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard Edition  
Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications  
Intel Fortran Compiler 9.0 (20050624Z) for 32-bit applications  
Microsoft Visual Studio .NET 13.0.9466 (for libraries)  
MicroQuill Smartheap Library 7.30  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafty: -DNT\_i386  
252.eon: srcalt=stdcpp  
253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### BASE TUNING

C: -fast -Qansi\_alias +FDO shlw32M.lib  
C++: -fast -Qcxx\_features +FDO

### PEAK TUNING

164.gzip: -fast +FDO  
175.vpr: -fast +FDO  
176.gcc: basepeak=yes  
181.mcf: -fast +FDO shlw32M.lib  
186.crafty: -fast -Oa +FDO shlw32M.lib  
197.parser: -fast +FDO  
252.eon: -fast +FDO



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## Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -Oa +FDO shlw32M.lib
254.gap:      -fast +FDO
255.vortex   -fast +FDO shlw32M.lib
256.bzip2:   -fast -Qunroll11 -Oa +FDO shlw32M.lib
300.twolf:   -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 7.1
              www.microquill.com
```