



CINT2000 Result

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IBM Corporation

IBM eServer xSeries 260 (3.16 GHz Xeon MP, 1MB L2 Cache)

SPECint_rate2000 = 62.1

SPECint_rate_base2000 = 61.8

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	207	62.8	8	205	63.4
175.vpr	8	352	36.9	8	342	37.9
176.gcc	8	144	70.7	8	144	70.7
181.mcf	8	419	39.8	8	418	39.9
186.crafty	8	166	55.8	8	168	55.2
197.parser	8	256	65.4	8	254	65.7
252.eon	8	131	92.2	8	131	92.4
253.perlbnk	8	208	80.3	8	206	81.0
254.gap	8	170	60.1	8	169	60.4
255.vortex	8	162	109	8	162	109
256.bzip2	8	270	51.5	8	269	51.8
300.twolf	8	533	52.2	8	534	52.1

Hardware

CPU: Intel Xeon MP 3.16 GHz (667 MHz system bus)
CPU MHz: 3166
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: 1024(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
```