



CINT2000 Result

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IBM Corporation

IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECint_rate2000 = 57.6

SPECint_rate_base2000 = 55.9

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Jun-2005 | Hardware Avail: Mar-2005 | Software Avail: Apr-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	200	65.0	8	202	64.3
175.vpr	8	373	34.8	8	373	34.8
176.gcc	8	169	60.4	8	169	60.4
181.mcf	8	573	29.1	8	573	29.1
186.crafty	8	165	56.3	8	165	56.2
197.parser	8	264	63.2	8	264	63.2
252.eon	8	133	90.9	8	132	91.6
253.perlbnk	8	227	73.4	8	211	79.2
254.gap	8	178	57.2	8	178	57.2
255.vortex	8	172	103	8	171	103
256.bzip2	8	295	47.1	8	297	46.8
300.twolf	8	785	35.4	8	584	47.7

Hardware

CPU: Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)
 CPU MHz: 3167
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2,4
 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: 8 x 2048 MB ECC DDR2 Dual Rank
 Disk Subsystem: 36GB SAS 10K RPM
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
 Compiler: Intel C/C++ Compiler 8.1 (20050409) for 32-bit applications
 Intel Fortran Compiler 8.1 (20050405Z) 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
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast -QxP -Qansi_alias +FDO
 C++: -QxP -Qipo -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast -QxP -Qansi_alias -Oa +FDO
 175.vpr: basepeak=yes
 176.gcc: basepeak=yes
 181.mcf: basepeak=yes
 186.crafty: -fast -QxP -Oa +FDO shlW32M.lib
 197.parser: basepeak=yes
 252.eon: -fast -QxP +FDO
 253.perlbnk: -fast -QxP -Qansi_alias +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    -fast -QxP +FDO
256.bzip2:    -fast -QxP -Qunroll1 -Oa +FDO
300.twolf:    -fast -QxP +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 7.3
              www.microquill.com
```