



CINT2000 Result

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IBM Corporation

IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECint2000 = 1361

SPECint_base2000 = 1319

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	132	1064	132	1058	
175.vpr	1400	160	873	160	873	
176.gcc	1100	67.1	1639	67.1	1639	
181.mcf	1800	164	1101	164	1101	
186.crafty	1000	85.0	1176	84.8	1179	
197.parser	1800	151	1189	151	1189	
252.eon	1300	66.8	1947	66.1	1967	
253.perlbmk	1800	113	1588	101	1786	
254.gap	1100	68.2	1613	68.2	1613	
255.vortex	1900	88.8	2139	88.5	2146	
256.bzip2	1500	160	935	159	942	
300.twolf	3000	252	1192	199	1504	

Hardware

CPU: Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)
CPU MHz: 3167
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1
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.perlbmk: -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.perlbmk: -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
```