



CINT2000 Result

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IBM Corporation
IBM eServer xSeries 336 (3.2 GHz Intel Xeon)

SPECint2000 = **1533**
SPECint_base2000 = **1515**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	131	1070	132	1063	
175.vpr	1400	129	1089	129	1089	
176.gcc	1100	61.0	1803	61.0	1803	
181.mcf	1800	102	1770	102	1770	
186.crafty	1000	84.0	1190	83.8	1194	
197.parser	1800	137	1316	137	1316	
252.eon	1300	66.5	1954	65.9	1973	
253.perlbmk	1800	109	1657	96.6	1863	
254.gap	1100	63.9	1722	63.9	1722	
255.vortex	1900	76.5	2484	76.5	2485	
256.bzip2	1500	131	1145	130	1155	
300.twolf	3000	189	1588	189	1590	

Hardware

CPU: Intel Xeon (3.2 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 512 MB ECC PC2-3200 Single Rank
 Disk Subsystem: 73GB SCSI 10K RPM
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
 Compiler: Intel C/C++ Compiler 8.1 (20050409)
 Intel Fortran Compiler 8.1 (20050405Z)
 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
```