



CINT2000 Result

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IBM Corporation

IBM eServer Bladecenter HS20 (2.8 GHz Xeon, 2MB L2 Cache)

SPECint2000 = 1378

SPECint_base2000 = 1371

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	Score (1000, 2000, 3000, 4000)			
164.gzip	1400	152	920	151	929	[Bar chart showing score ~1000]			
175.vpr	1400	149	941	145	967	[Bar chart showing score ~1000]			
176.gcc	1100	67.7	1625	67.7	1625	[Bar chart showing score ~1600]			
181.mcf	1800	107	1680	107	1680	[Bar chart showing score ~1600]			
186.crafty	1000	96.7	1034	97.1	1030	[Bar chart showing score ~1000]			
197.parser	1800	155	1160	155	1164	[Bar chart showing score ~1100]			
252.eon	1300	74.2	1751	74.5	1745	[Bar chart showing score ~1700]			
253.perlbmk	1800	109	1646	110	1643	[Bar chart showing score ~1600]			
254.gap	1100	73.5	1498	71.8	1533	[Bar chart showing score ~1500]			
255.vortex	1900	78.6	2418	78.5	2421	[Bar chart showing score ~2400]			
256.bzip2	1500	143	1049	143	1050	[Bar chart showing score ~1000]			
300.twolf	3000	211	1422	211	1422	[Bar chart showing score ~1400]			

Hardware

CPU: Intel Xeon 2.8 (800 MHz system bus)
CPU MHz: 2800
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: 4 x 2048 MB ECC PC2-3200 Dual Rank
Disk Subsystem: 36GB SCSI 10K 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.perlbmk: -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)

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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
```