



CINT2000 Result

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IBM Corporation

IBM eServer xSeries HS20 (1.67 GHz Xeon LV, 2MB L2 Shared Cache)

SPECint_rate2000 = 51.2

SPECint_rate_base2000 = 51.1

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Mar-2006 | Hardware Avail: Mar-2006 | Software Avail: Dec-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	149	43.6	4	149	43.6
175.vpr	4	210	30.9	4	205	31.8
176.gcc	4	78.7	64.8	4	78.7	64.8
181.mcf	4	387	21.6	4	387	21.6
186.crafty	4	79.2	58.6	4	79.5	58.4
197.parser	4	186	45.0	4	185	45.3
252.eon	4	76.7	78.7	4	76.9	78.5
253.perlbnk	4	121	69.1	4	120	69.3
254.gap	4	105	48.6	4	105	48.7
255.vortex	4	98.5	89.5	4	98.5	89.5
256.bzip2	4	194	35.8	4	197	35.3
300.twolf	4	184	75.5	4	182	76.5

Hardware

CPU: Dual-Core Intel Processor Xeon LV 1.67GHz (667 MHz system bus)
CPU MHz: 1667
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) shared by 2 cores
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 2048 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 9.0 (20051130Z) for 32-bit applications
Intel Fortran Compiler 9.0 (20051120Z) 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 -Qansi_alias +FDO shlw32M.lib
C++: -fast -Qcxx_features +FDO shlw32M.lib

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 shlw32M.lib
253.perlbnk: -fast -Oa +FDO shlw32M.lib



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Notes/Tuning Information (Continued)

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