



CINT2000 Result

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IBM Corporation
IBM System X 3950 (3.33 GHz Xeon 7140N)

SPECint2000 = --
SPECint_base2000 = 1697

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2007 | Hardware Avail: Oct-2006 | Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000	2000	3000	4000
164.gzip	1400	124	1133			-----			
175.vpr	1400	118	1183			-----			
176.gcc	1100	56.1	1959			-----	-----		
181.mcf	1800	78.5	2294			-----	-----		
186.crafty	1000	79.4	1259			-----			
197.parser	1800	133	1350			-----			
252.eon	1300	57.2	2273			-----	-----		
253.perlbmk	1800	88.7	2030			-----	-----		
254.gap	1100	63.6	1729			-----	-----		
255.vortex	1900	61.0	3116			-----	-----	-----	
256.bzip2	1500	114	1317			-----			
300.twolf	3000	177	1698			-----	-----		

Hardware

CPU: Intel Xeon processor 7140N (3.33 GHz, 667 MHz bus)
CPU MHz: 3333
FPU: Integrated
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1, 2, 4 chips
Parallel: No
Primary Cache: 12 K I micro-ops + 16 KB D on chip per core
Secondary Cache: 1 MB I+D on chip per core
L3 Cache: 16 MB on chip per chip
Other Cache: N/A
Memory: 16 x 2048 MB ECC PC2-3200
Disk Subsystem: 73GB SAS 10K RPM
Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
Compiler: Intel C++ Compiler 9.1 for 32-bit applications
Build 20060323Z Package ID: W_CC_P_9.1.020
Microsoft Visual Studio 2005 (for libraries)
SmartHeap Library Version 8.0 from <http://www.microquill.com/>
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M-80.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M-80.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```

Bios Settings

Hardware Prefetch enabled
Memory Array set to High-Performance Memory Array