CINT2000 Result

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IBM Corporation

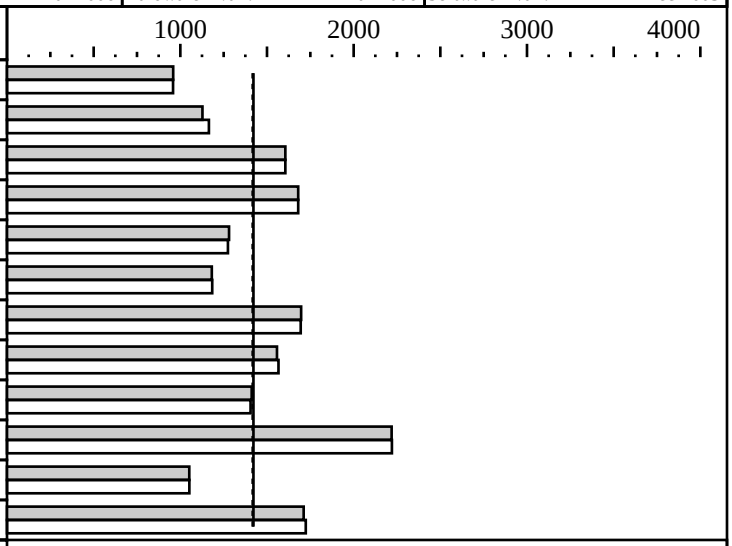
IBM eServer xSeries HS20 (1.67 GHz Xeon LV, 2MB L2 Shared Cache)

SPECint2000 = 1422

SPECint_base2000 = 1417

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	146	959	146	958
175.vpr	1400	124	1128	120	1165
176.gcc	1100	68.5	1606	68.5	1606
181.mcf	1800	107	1680	107	1680
186.crafty	1000	78.1	1281	78.5	1275
197.parser	1800	152	1182	152	1184
252.eon	1300	76.6	1697	76.7	1694
253.perlbmk	1800	116	1558	115	1566
254.gap	1100	77.9	1412	78.3	1405
255.vortex	1900	85.6	2219	85.6	2221
256.bzip2	1500	143	1052	143	1052
300.twolf	3000	175	1712	174	1724



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.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 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.perlbmk: -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
```