CINT2000 Result

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IBM Corporation

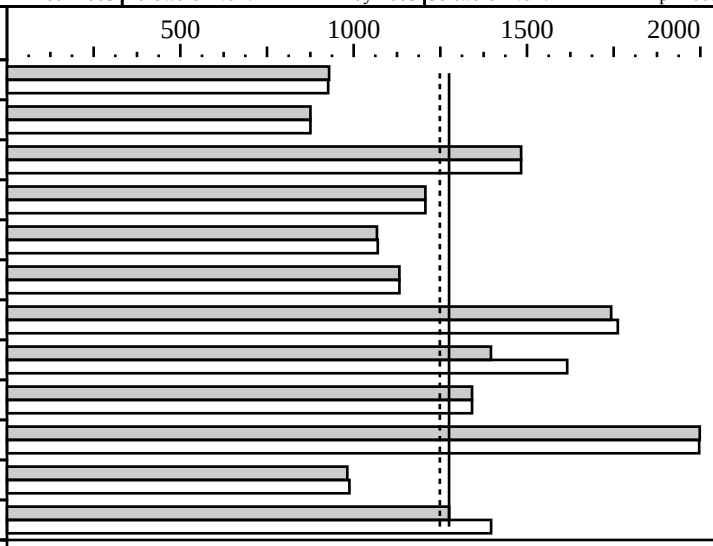
IBM eServer xSeries 460 (2.83 GHz Intel Xeon MP)

SPECint2000 = 1275

SPECint_base2000 = 1249

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	151	929	151	926
175.vpr	1400	160	875	160	875
176.gcc	1100	74.2	1483	74.2	1483
181.mcf	1800	149	1207	149	1207
186.crafty	1000	93.7	1067	93.5	1070
197.parser	1800	159	1132	159	1132
252.eon	1300	74.6	1743	73.8	1762
253.perlbmk	1800	129	1396	111	1616
254.gap	1100	82.0	1341	82.0	1341
255.vortex	1900	95.1	1998	95.2	1997
256.bzip2	1500	153	982	152	988
300.twolf	3000	235	1275	215	1396



Hardware

CPU:	Intel Xeon MP (2.83 GHz Xeon, 1MB L2 Cache, 8MB L3 Cache, 667 MHz system bus)
CPU MHz:	2833
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	8192KB(I+D) on chip
Other Cache:	N/A
Memory:	8 x 2048 MB ECC DDR2 Dual Rank
Disk Subsystem:	36GB SAS 10k RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 8.1 (20050409) for 32-bit applications Intel Fortran Compiler 8.1 (20050405Z) 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 -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
```