SPEC® CINT2006 Result
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Dell Inc.

$SPECint^{®}\_rate2006 =$ Not Run

PowerEdge 2970 (AMD Opteron 2222 SE, 3.00GHz)
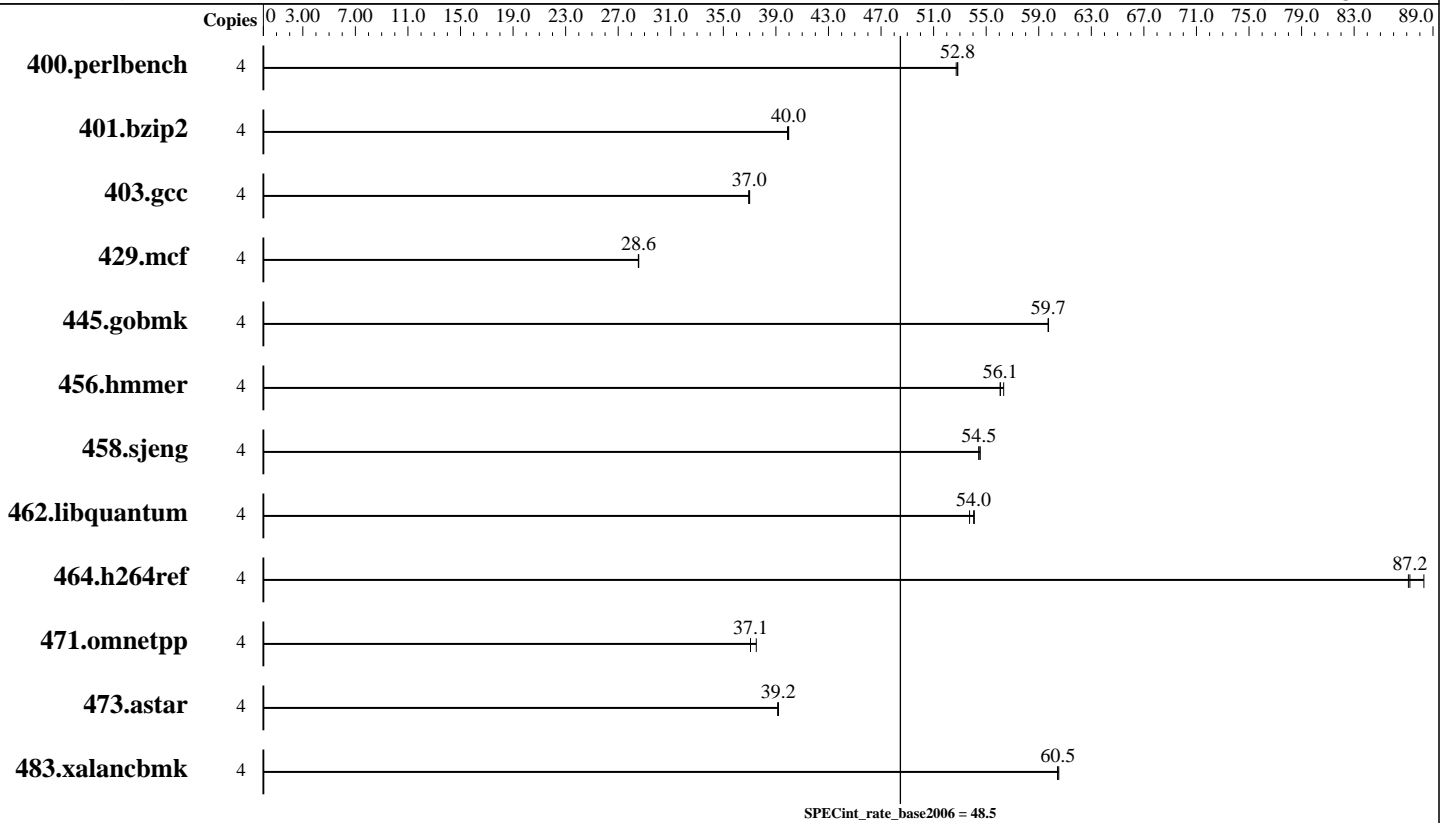
$SPECint\_rate\_base2006 =$ 48.5

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Mar-2007
Hardware Availability: Apr-2007
Software Availability: Aug-2006

Benchmark	Copies	Result
400.perlbench	4	52.8
401.bzip2	4	40.0
403.gcc	4	37.0
429.mcf	4	28.6
445.gobmk	4	59.7
456.hmmer	4	56.1
458.sjeng	4	54.5
462.libquantum	4	54.0
464.h264ref	4	87.2
471.omnetpp	4	37.1
473.astar	4	39.2
483.xalancbmk	4	60.5

SPECint_rate_base2006 = 48.5

Hardware
CPU Name: AMD Opteron 2222 SE
CPU Characteristics:
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2 chips
Primary Cache: 64 KB I + 64 KB D on chip per core
Secondary Cache: 1 MB I+D on chip per core
L3 Cache: None
Other Cache: None
Memory: 16 GB (8x2GB, DDR2-667 CL5 ECC Dual Rank)
Disk Subsystem: SAS, 73 GB
Other Hardware: None

Software
Operating System: SuSE Linux Enterprise Server 10 64-bit kernel
Compiler: QLogic PathScale
Compiler Suite, Release 2.5
Auto Parallel: No
File System: ReiserFS
System State: Multi-user, run level 3
Base Pointers: 32/64-bit
Peak Pointers: Not Applicable
Other Software: SmartHeap 8.0 32 bit Library for Linux

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Results Table

Benchmark	Copies	Base Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Peak Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	741	52.7	**740**	**52.8**	740	52.8							
401.bzip2	4	966	40.0	**966**	**40.0**	968	39.9							
403.gcc	4	872	36.9	**871**	**37.0**	870	37.0							
429.mcf	4	**1278**	**28.6**	1279	28.5	1278	28.6							
445.gobmk	4	702	59.7	**703**	**59.7**	703	59.7							
456.hmmer	4	666	56.1	663	56.3	**665**	**56.1**							
458.sjeng	4	889	54.4	887	54.6	**889**	**54.5**							
462.libquantum	4	1532	54.1	**1534**	**54.0**	1542	53.7							
464.h264ref	4	1002	88.3	**1015**	**87.2**	1016	87.1							
471.omnetpp	4	667	37.5	**674**	**37.1**	674	37.1							
473.astar	4	716	39.2	717	39.1	**717**	**39.2**							
483.xalancbmk	4	**457**	**60.5**	457	60.4	456	60.5							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

    Taskset utility used to bind CPU(s) to processes
    Binaries were built on SuSE Linux Enterprise Server 9 SP3 64-bit

Base Compiler Invocation

 C benchmarks:
       pathcc

 C++ benchmarks:
       pathCC

Base Portability Flags

     400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
        401.bzip2: -DSPEC_CPU_LP64
          403.gcc: -DSPEC_CPU_LP64
          429.mcf: -DSPEC_CPU_LP64
       445.gobmk: -DSPEC_CPU_LP64
       456.hmmer: -DSPEC_CPU_LP64
        458.sjeng: -DSPEC_CPU_LP64
     462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
      464.h264ref: -DSPEC_CPU_LP64
     483.xalancbmk: -DSPEC_CPU_LINUX

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Base Optimization Flags

C benchmarks:
```
-Ofast
```

C++ benchmarks:
```
-Ofast -m32
-L/spec/mpaton/6v1.0/amd512K8.lib/microquill/lib -lsmartheap
```

Base Other Flags

C benchmarks:
```
-IPA:max_jobs=2
```

C++ benchmarks:
```
-IPA:max_jobs=2
```

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.25.xml

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For other inquiries, please contact webmaster@spec.org.

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