SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

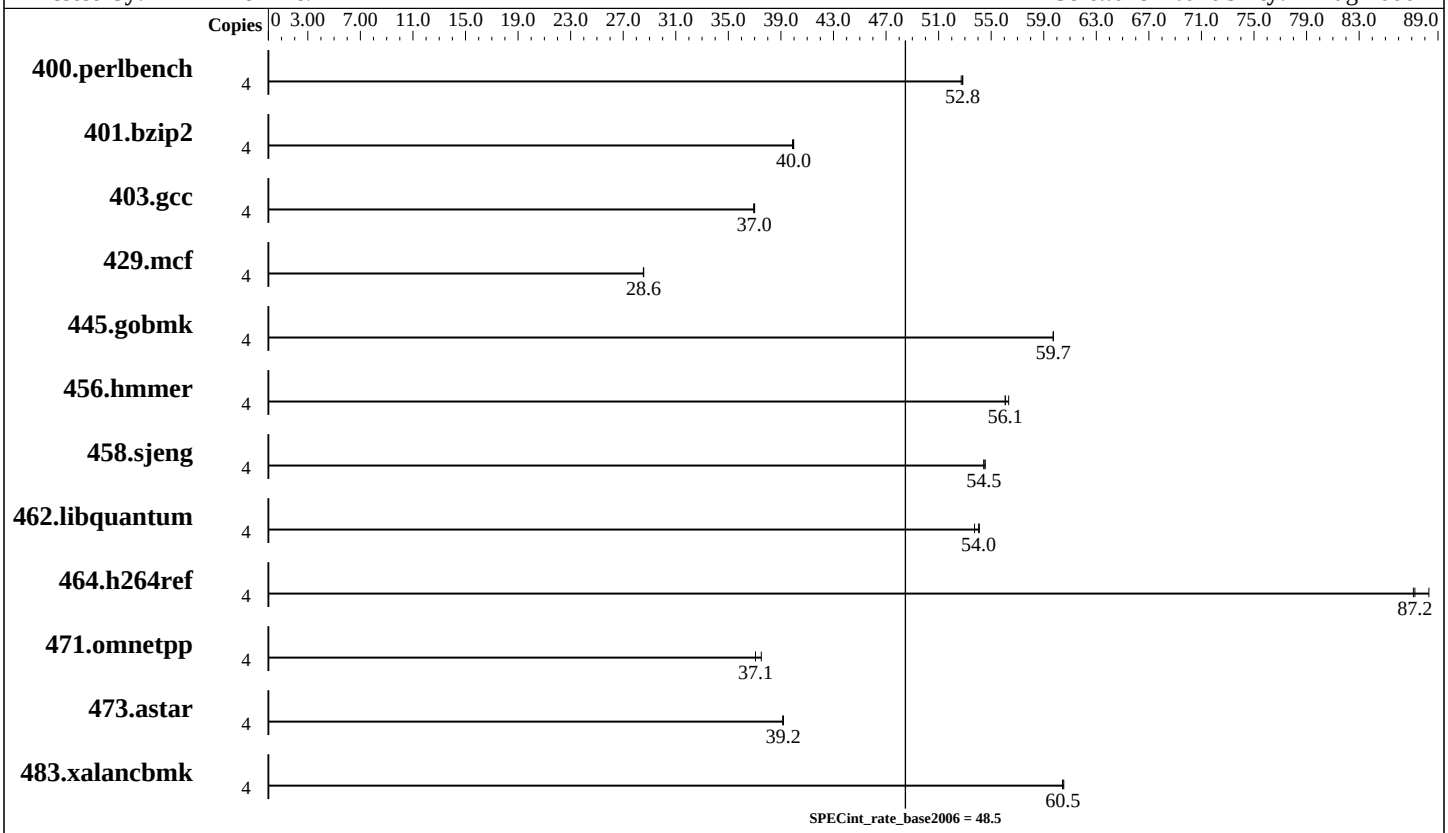
PowerEdge 2970 (AMD Opteron 2222 SE, 3.00GHz)

SPECint®_rate2006 = Not Run

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



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

SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2970 (AMD Opteron 2222 SE, 3.00GHz)

SPECint_rate2006 = Not Run

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

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	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`

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`

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 11:54:09 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 3 April 2007.