



SPEC[®] CINT2006 Result

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Dell Inc.

SPECint[®]_rate2006 = Not Run

PowerEdge R710 (Intel Xeon E5530, 2.40 GHz)

SPECint_rate_base2006 = 91.1

CPU2006 license: 55

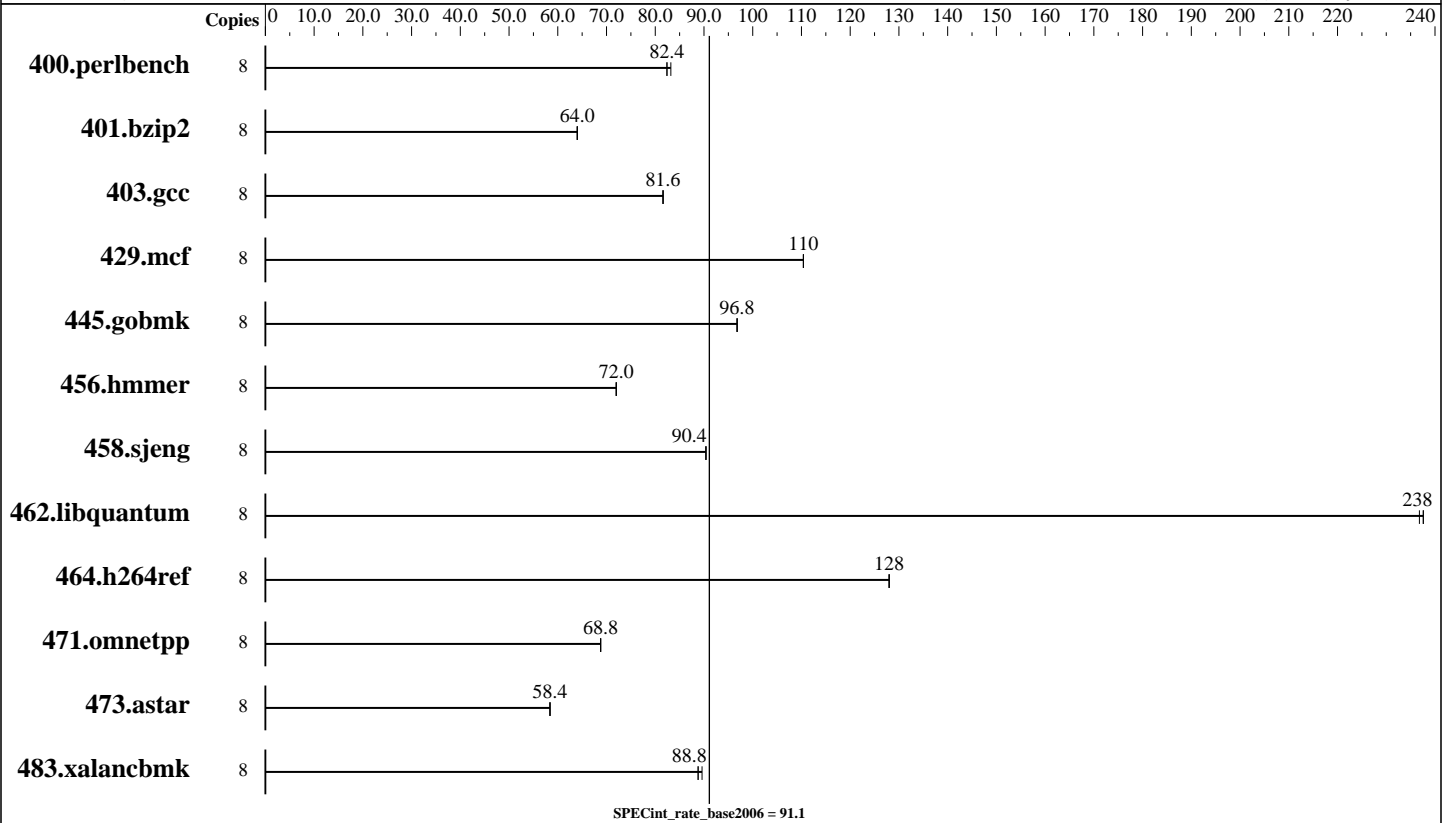
Test date: Sep-2009

Test sponsor: Dell Inc.

Hardware Availability: Mar-2009

Tested by: Dell Inc.

Software Availability: May-2009



Hardware

CPU Name: Intel Xeon E5530
 CPU Characteristics: Intel Turbo Boost Technology up to 2.66 GHz
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip, 2 threads/core
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 256 KB I+D on chip per core
 L3 Cache: 8 MB I+D on chip per chip
 Other Cache: None
 Memory: 8 GB (2 x 4 GB DDR3-1333 DR RDIMM downclocked to 1066 MHz)
 Disk Subsystem: 1 x 73 GB 15000 RPM SAS
 Other Hardware: None

Software

Operating System: Microsoft Windows Server 2008 Enterprise x64 Edition SP2
 Compiler: Intel C++ Compiler for IA-32, Version 11.0 Build 20090131 Package ID: w_eproc_p_11.0.072 Microsoft Visual Studio 2008 SP1
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: MicroQuill SmartHeap Library 8.1



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Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	938	83.2	<u>945</u>	<u>82.4</u>	946	82.4							
401.bzip2	8	<u>1204</u>	<u>64.0</u>	1204	64.0	1199	64.0							
403.gcc	8	787	81.6	<u>788</u>	<u>81.6</u>	792	81.6							
429.mcf	8	660	110	661	110	<u>660</u>	<u>110</u>							
445.gobmk	8	865	96.8	<u>865</u>	<u>96.8</u>	865	96.8							
456.hammer	8	1040	72.0	<u>1041</u>	<u>72.0</u>	1042	72.0							
458.sjeng	8	1075	90.4	<u>1075</u>	<u>90.4</u>	1074	90.4							
462.libquantum	8	<u>698</u>	<u>238</u>	700	237	698	238							
464.h264ref	8	1382	128	1383	128	<u>1382</u>	<u>128</u>							
471.omnetpp	8	<u>723</u>	<u>68.8</u>	724	68.8	723	68.8							
473.astar	8	<u>959</u>	<u>58.4</u>	959	58.4	960	58.4							
483.xalancbmk	8	<u>619</u>	<u>88.8</u>	619	88.8	618	89.6							

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

General Notes

Binaries were built on Windows Vista Business (64-bit)

Base Compiler Invocation

C benchmarks:

```
icl -Qvc9 -Qstd=c99
```

C++ benchmarks:

```
icl -Qvc9
```

Base Portability Flags

```
403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword
```

Base Optimization Flags

C benchmarks:

```
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F512000000
```

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Base Optimization Flags (Continued)

C++ benchmarks:

-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/dell.flags.ic11.0.win.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/dell.flags.ic11.0.win.xml>

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

Tested with SPEC CPU2006 v1.1.
Report generated on Wed Jul 23 03:02:18 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 29 September 2009.