



SPEC® CINT2006 Result

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Bull SAS

NovaScale B280 (Intel Xeon processor E5335,2.00GHz)

SPECint®2006 = 12.8

SPECint_base2006 = 12.3

CPU2006 license: 20

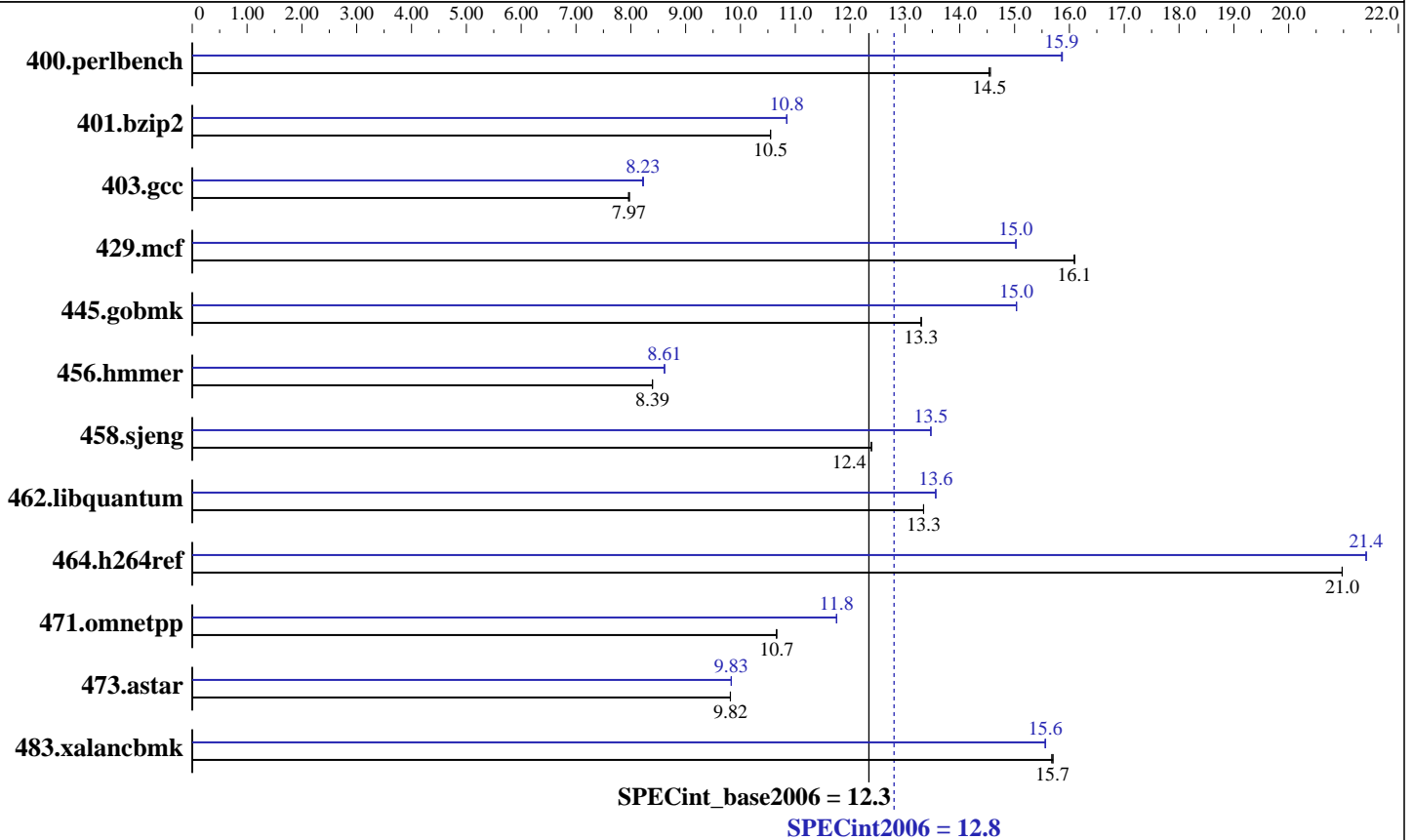
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Feb-2007

Hardware Availability: Jan-2007

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon E5335
 CPU Characteristics: 2.00 GHz, 8MB L2, 1333MHz bus
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 4 cores/chip
 CPU(s) orderable: 1 to 2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (1GB DIMMx8, FB-DIMM PC2-5300F ECC CL5)
 Disk Subsystem: 73 GB SAS, 10000RPM
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits) Service Pack1
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Package ID W_CC_C_9.1.033 Build no 20061103Z
 Microsoft Visual Studio .NET 2003 (lib & linker)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: MicroQuill SmartHeap Library 8.0 (shIW32M.lib)



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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	671	14.6	<u>672</u>	<u>14.5</u>	672	14.5	616	15.9	616	15.9	<u>616</u>	<u>15.9</u>
401.bzip2	915	10.6	<u>915</u>	<u>10.5</u>	915	10.5	890	10.8	<u>890</u>	<u>10.8</u>	890	10.8
403.gcc	1009	7.98	<u>1010</u>	<u>7.97</u>	1012	7.96	980	8.22	978	8.23	<u>979</u>	<u>8.23</u>
429.mcf	566	16.1	<u>567</u>	<u>16.1</u>	567	16.1	<u>607</u>	<u>15.0</u>	607	15.0	607	15.0
445.gobmk	789	13.3	789	13.3	<u>789</u>	<u>13.3</u>	698	15.0	698	15.0	<u>698</u>	<u>15.0</u>
456.hammer	1111	8.39	<u>1111</u>	<u>8.39</u>	1111	8.39	1083	8.61	1083	8.61	<u>1083</u>	<u>8.61</u>
458.sjeng	<u>977</u>	<u>12.4</u>	977	12.4	977	12.4	898	13.5	<u>898</u>	<u>13.5</u>	898	13.5
462.libquantum	<u>1553</u>	<u>13.3</u>	1553	13.3	1553	13.3	1528	13.6	1528	13.6	<u>1528</u>	<u>13.6</u>
464.h264ref	1055	21.0	<u>1055</u>	<u>21.0</u>	1055	21.0	1033	21.4	1034	21.4	<u>1034</u>	<u>21.4</u>
471.omnetpp	<u>586</u>	<u>10.7</u>	586	10.7	587	10.7	532	11.8	<u>532</u>	<u>11.8</u>	532	11.8
473.astar	715	9.82	<u>715</u>	<u>9.82</u>	715	9.81	<u>714</u>	<u>9.83</u>	714	9.83	714	9.83
483.xalancbmk	<u>440</u>	<u>15.7</u>	439	15.7	440	15.7	443	15.6	<u>443</u>	<u>15.6</u>	444	15.6

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

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99
C++ benchmarks:
icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Base Optimization Flags

C benchmarks:
-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE
C++ benchmarks:
-fast -Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE



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Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:

icl -Qvc7.1 -Qc99

C++ benchmarks:

icl -Qvc7.1

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Peak Optimization Flags

C benchmarks:

-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

C++ benchmarks:

-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

Peak 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/flags.20090714.00.html>

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

<http://www.spec.org/cpu2006/flags/flags.20090714.00.xml>



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