



SPEC® CINT2006 Result

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Bull SAS

NovaScale T810 (Intel Xeon processor 3060,2.40GHz)

SPECint®_rate2006 = 27.0

SPECint_rate_base2006 = 26.0

CPU2006 license: 20

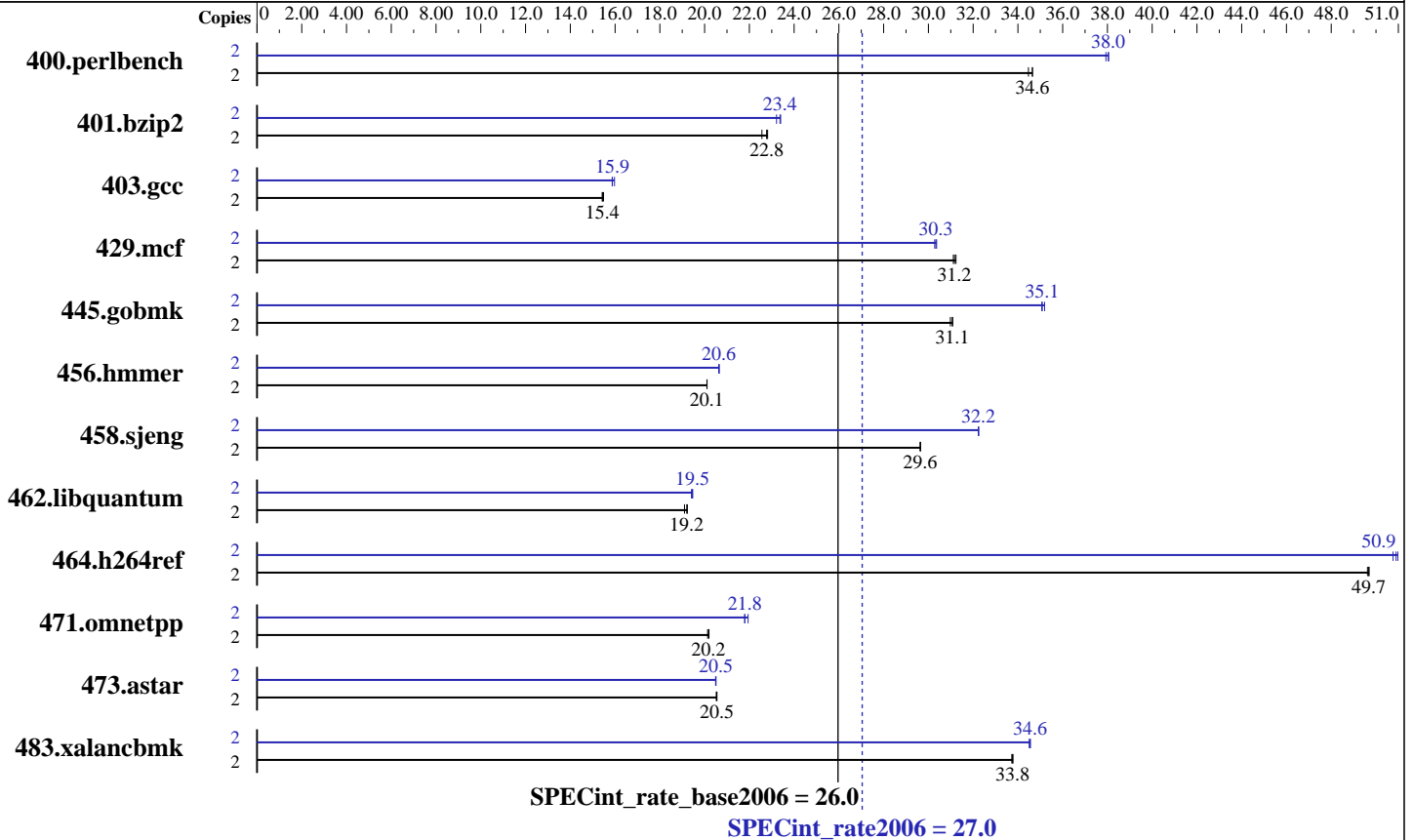
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Mar-2007

Hardware Availability: Feb-2007

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 3060
 CPU Characteristics: 2.40 GHz, 4MB L2, 1066MHz bus
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (2GB DIMMx4, PC2-5300E ECC CL5)
 Disk Subsystem: 73 GB SAS, 10000RPM
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition X64 Edition Service Pack 1
 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							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	2	564	34.6	<u>564</u>	<u>34.6</u>	567	34.5	2	515	37.9	<u>514</u>	<u>38.0</u>	513	38.1
401.bzip2	2	846	22.8	855	22.6	<u>848</u>	<u>22.8</u>	2	825	23.4	831	23.2	<u>826</u>	<u>23.4</u>
403.gcc	2	1044	15.4	1040	15.5	<u>1043</u>	<u>15.4</u>	2	<u>1014</u>	<u>15.9</u>	1008	16.0	1014	15.9
429.mcf	2	586	31.1	<u>585</u>	<u>31.2</u>	584	31.2	2	<u>601</u>	<u>30.3</u>	602	30.3	601	30.4
445.gobmk	2	<u>675</u>	<u>31.1</u>	675	31.1	677	31.0	2	596	35.2	<u>598</u>	<u>35.1</u>	598	35.1
456.hammer	2	928	20.1	<u>928</u>	<u>20.1</u>	928	20.1	2	904	20.6	904	20.6	<u>904</u>	<u>20.6</u>
458.sjeng	2	817	29.6	816	29.7	<u>816</u>	<u>29.6</u>	2	751	32.2	751	32.2	<u>751</u>	<u>32.2</u>
462.libquantum	2	2169	19.1	<u>2158</u>	<u>19.2</u>	2155	19.2	2	2135	19.4	<u>2130</u>	<u>19.5</u>	2129	19.5
464.h264ref	2	<u>891</u>	<u>49.7</u>	891	49.7	892	49.6	2	872	50.8	868	51.0	<u>870</u>	<u>50.9</u>
471.omnetpp	2	621	20.1	619	20.2	<u>620</u>	<u>20.2</u>	2	574	21.8	<u>573</u>	<u>21.8</u>	570	21.9
473.astar	2	684	20.5	<u>683</u>	<u>20.5</u>	683	20.6	2	685	20.5	<u>685</u>	<u>20.5</u>	685	20.5
483.xalancbmk	2	409	33.7	<u>409</u>	<u>33.8</u>	409	33.8	2	400	34.5	<u>399</u>	<u>34.6</u>	399	34.6

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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Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 11:55:59 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 17 April 2007.