



# SPEC® CINT2006 Result

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## Bull SAS

NovaScale T820  
(Intel Xeon processor 3060, 2.40GHz)

SPECint®\_rate2006 = 26.5

SPECint\_rate\_base2006 = 25.5

CPU2006 license: 20

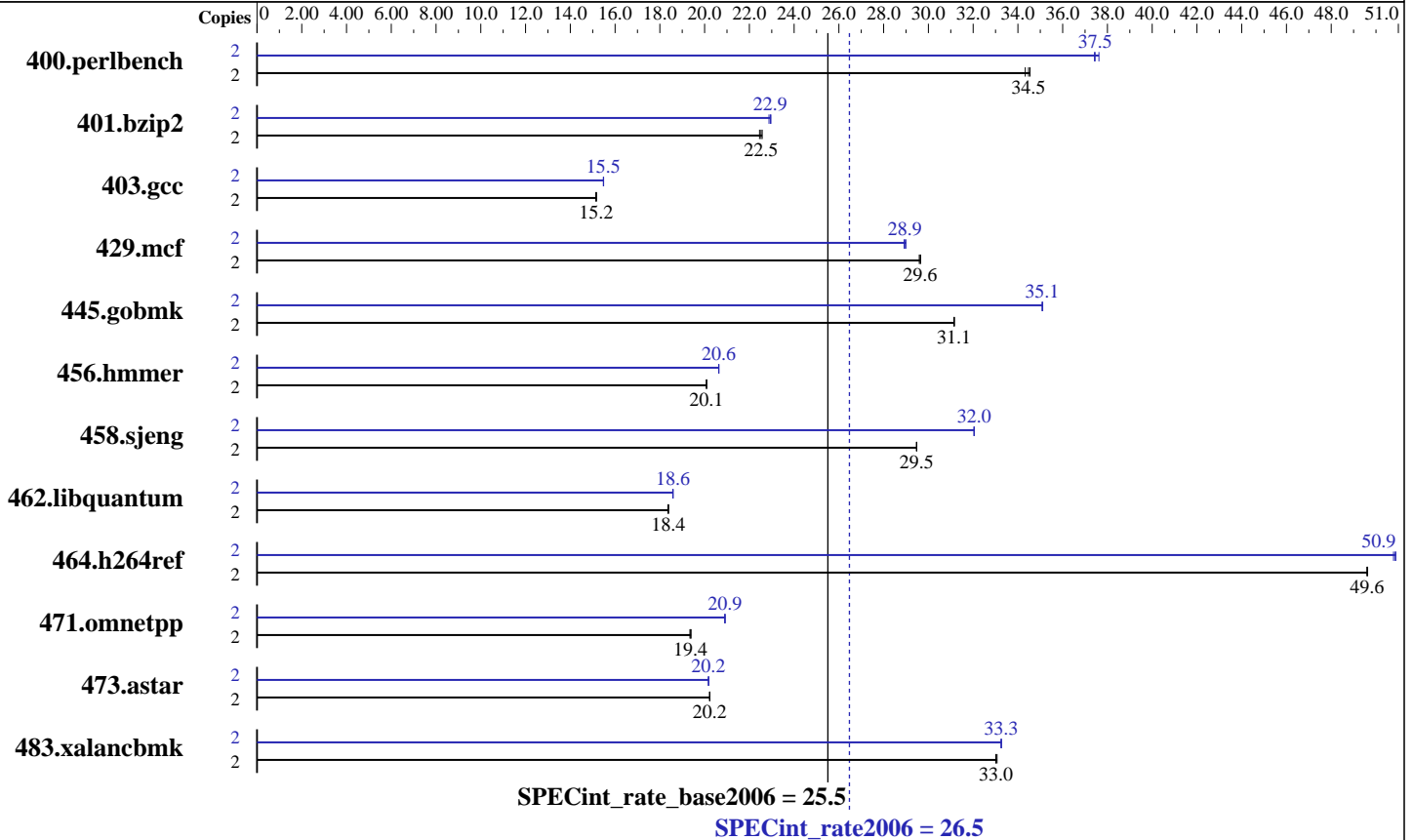
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: May-2007

Hardware Availability: Feb-2007

Software Availability: Dec-2006



### Hardware

CPU Name: Intel Xeon 3060  
 CPU Characteristics: 2.40 GHz, 4 MB L2, 1066 MHz system 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: 4 GB (4x1 GB) PC2-4200E ECC CL4  
 Disk Subsystem: 1x80 GB SATA2, 7200 RPM  
 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	<b>567</b>	<b>34.5</b>	569	34.3	566	34.5	2	<b>522</b>	<b>37.5</b>	519	37.6	522	37.4
401.bzip2	2	860	22.5	855	22.6	<b>857</b>	<b>22.5</b>	2	844	22.9	<b>841</b>	<b>22.9</b>	840	23.0
403.gcc	2	1063	15.1	1061	15.2	<b>1063</b>	<b>15.2</b>	2	1040	15.5	1040	15.5	<b>1040</b>	<b>15.5</b>
429.mcf	2	616	29.6	615	29.7	<b>616</b>	<b>29.6</b>	2	631	28.9	<b>630</b>	<b>28.9</b>	629	29.0
445.gobmk	2	673	31.2	674	31.1	<b>674</b>	<b>31.1</b>	2	<b>598</b>	<b>35.1</b>	598	35.1	598	35.1
456.hammer	2	929	20.1	<b>929</b>	<b>20.1</b>	929	20.1	2	<b>904</b>	<b>20.6</b>	904	20.6	904	20.6
458.sjeng	2	821	29.5	821	29.5	<b>821</b>	<b>29.5</b>	2	<b>755</b>	<b>32.0</b>	755	32.0	755	32.0
462.libquantum	2	2253	18.4	<b>2255</b>	<b>18.4</b>	2257	18.4	2	2228	18.6	<b>2230</b>	<b>18.6</b>	2231	18.6
464.h264ref	2	892	49.6	892	49.6	<b>892</b>	<b>49.6</b>	2	872	50.8	<b>870</b>	<b>50.9</b>	870	50.9
471.omnetpp	2	646	19.3	645	19.4	<b>645</b>	<b>19.4</b>	2	597	20.9	598	20.9	<b>598</b>	<b>20.9</b>
473.astar	2	694	20.2	694	20.2	<b>694</b>	<b>20.2</b>	2	<b>696</b>	<b>20.2</b>	696	20.2	696	20.2
483.xalancbmk	2	417	33.1	<b>418</b>	<b>33.0</b>	418	33.0	2	415	33.3	<b>415</b>	<b>33.3</b>	415	33.2

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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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.0.  
Report generated on Tue Jul 22 11:24:34 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 26 June 2007.