



# SPEC<sup>®</sup> CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

SPECint<sup>®</sup>\_rate2006 = 78.4

NovaScale R440  
(Intel Xeon processor X5355,2.66GHz)

SPECint\_rate\_base2006 = 76.1

CPU2006 license: 20

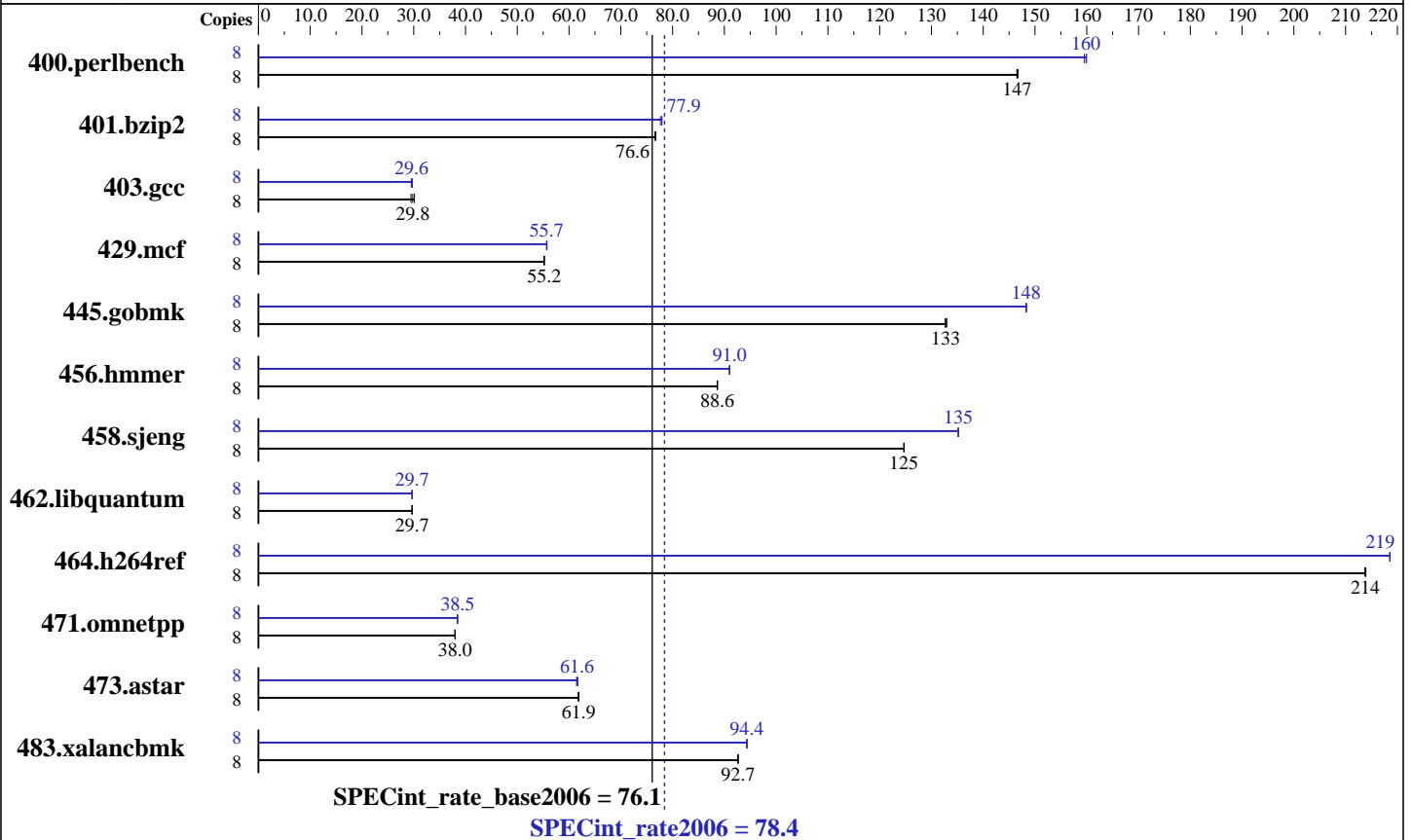
Test date: May-2007

Test sponsor: Bull SAS

Hardware Availability: Mar-2007

Tested by: Bull SAS

Software Availability: Dec-2006



### Hardware

CPU Name: Intel Xeon X5355  
 CPU Characteristics: 2.66 GHz, 8 MB L2, 1333 MHz bus  
 CPU MHz: 2666  
 FPU: Integrated  
 CPU(s) enabled: 8 cores, 2 chips, 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: 24 GB (12x2 GB) FB-DIMM PC2-5300F ECC CL5  
 Disk Subsystem: 1x73 GB SAS, 10000 RPM  
 Other Hardware: None

### Software

Operating System: Windows Server 2003 R2 Enterprise X64 Edition 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)



# SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

SPECint\_rate2006 = 78.4

NovaScale R440  
(Intel Xeon processor X5355,2.66GHz)

SPECint\_rate\_base2006 = 76.1

CPU2006 license: 20  
Test sponsor: Bull SAS  
Tested by: Bull SAS

Test date: May-2007  
Hardware Availability: Mar-2007  
Software Availability: Dec-2006

## Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	533	147	<u>533</u>	<u>147</u>	533	147	8	<u>489</u>	<u>160</u>	490	160	489	160
401.bzip2	8	1006	76.7	1007	76.6	<u>1007</u>	<u>76.6</u>	8	<u>991</u>	<u>77.9</u>	991	77.9	994	77.6
403.gcc	8	2185	29.5	<u>2160</u>	<u>29.8</u>	2137	30.1	8	2182	29.5	<u>2176</u>	<u>29.6</u>	2165	29.7
429.mcf	8	1323	55.1	1321	55.2	<u>1321</u>	<u>55.2</u>	8	<u>1310</u>	<u>55.7</u>	1309	55.7	1311	55.6
445.gobmk	8	631	133	633	133	<u>632</u>	<u>133</u>	8	<u>566</u>	<u>148</u>	566	148	566	148
456.hammer	8	<u>842</u>	<u>88.6</u>	842	88.6	842	88.7	8	820	91.0	820	91.0	<u>820</u>	<u>91.0</u>
458.sjeng	8	776	125	<u>776</u>	<u>125</u>	776	125	8	<u>716</u>	<u>135</u>	716	135	716	135
462.libquantum	8	<u>5585</u>	<u>29.7</u>	5585	29.7	5584	29.7	8	5580	29.7	<u>5583</u>	<u>29.7</u>	5590	29.7
464.h264ref	8	828	214	<u>828</u>	<u>214</u>	828	214	8	810	219	<u>810</u>	<u>219</u>	810	218
471.omnetpp	8	1315	38.0	<u>1316</u>	<u>38.0</u>	1317	38.0	8	1300	38.5	<u>1300</u>	<u>38.5</u>	1300	38.5
473.astar	8	<u>907</u>	<u>61.9</u>	909	61.8	907	61.9	8	<u>912</u>	<u>61.6</u>	910	61.7	914	61.4
483.xalancbmk	8	<u>596</u>	<u>92.7</u>	596	92.6	596	92.7	8	<u>585</u>	<u>94.4</u>	585	94.4	585	94.3

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

## General Notes

The NovaScale R440 and the NovaScale R460 models are electronically equivalent.  
The results have been measured on a NovaScale R440 model.

## 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



# SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

NovaScale R440  
(Intel Xeon processor X5355,2.66GHz)

SPECint\_rate2006 = 78.4

SPECint\_rate\_base2006 = 76.1

CPU2006 license: 20  
Test sponsor: Bull SAS  
Tested by: Bull SAS

Test date: May-2007  
Hardware Availability: Mar-2007  
Software Availability: Dec-2006

## Base Optimization Flags

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

C++ benchmarks:  
-fast -Qcxx\_features /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE

## 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:

Continued on next page



# SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

NovaScale R440  
(Intel Xeon processor X5355,2.66GHz)

SPECint\_rate2006 = 78.4

SPECint\_rate\_base2006 = 76.1

**CPU2006 license:** 20  
**Test sponsor:** Bull SAS  
**Tested by:** Bull SAS

**Test date:** May-2007  
**Hardware Availability:** Mar-2007  
**Software Availability:** Dec-2006

## Peak Other Flags (Continued)

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>

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](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.0.  
Report generated on Tue Jul 22 11:50:37 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 29 May 2007.