



SPEC[®] CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R440
(Intel Xeon processor 5140,2.33GHz)

SPECint[®]_rate2006 = 46.5

SPECint_rate_base2006 = 44.9

CPU2006 license: 20

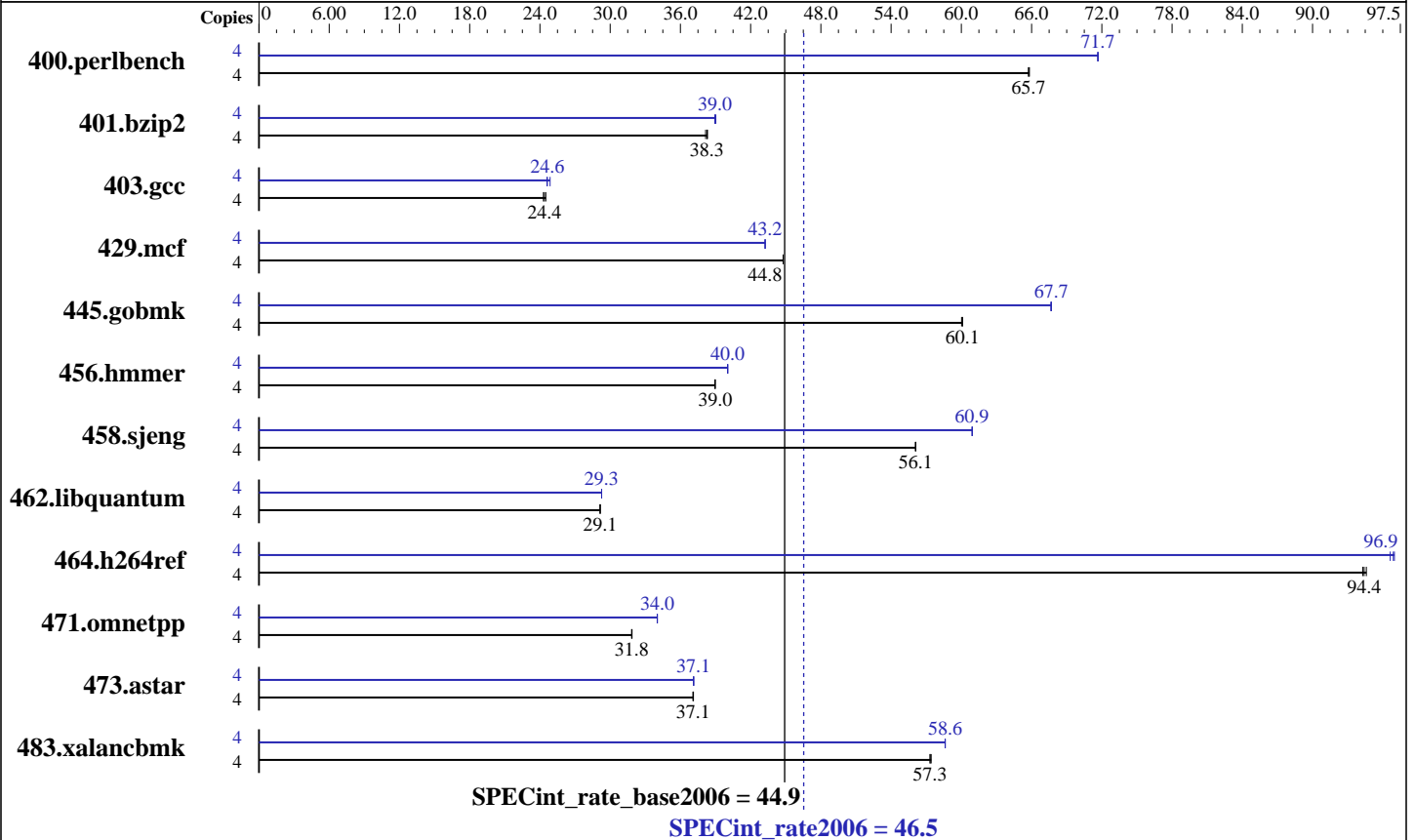
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: May-2007

Hardware Availability: Feb-2007

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 5140
 CPU Characteristics: 2.33 GHz, 4 MB L2, 1333 MHz system bus
 CPU MHz: 2333
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 2 chips
 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: 24 GB (12x2 GB) FB-DIMM PC2-5300F ECC CL5
 Disk Subsystem: 1x73 GB SAS, 15000 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)



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R440
(Intel Xeon processor 5140,2.33GHz)

SPECint_rate2006 = 46.5

SPECint_rate_base2006 = 44.9

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

Test date: May-2007
Hardware Availability: Feb-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	4	594	65.7	595	65.7	594	65.8	4	545	71.7	545	71.7	545	71.7
401.bzip2	4	1012	38.2	1009	38.3	1007	38.3	4	989	39.0	991	39.0	991	38.9
403.gcc	4	1321	24.4	1325	24.3	1314	24.5	4	1308	24.6	1307	24.6	1295	24.9
429.mcf	4	815	44.8	815	44.8	815	44.8	4	844	43.2	844	43.2	844	43.2
445.gobmk	4	699	60.0	698	60.1	698	60.1	4	620	67.7	620	67.7	620	67.6
456.hammer	4	958	39.0	958	39.0	958	39.0	4	932	40.0	932	40.0	932	40.0
458.sjeng	4	863	56.1	863	56.1	863	56.1	4	795	60.9	794	60.9	795	60.9
462.libquantum	4	2844	29.1	2844	29.1	2844	29.1	4	2832	29.3	2832	29.3	2831	29.3
464.h264ref	4	938	94.4	939	94.3	936	94.6	4	913	97.0	916	96.6	914	96.9
471.omnetpp	4	785	31.8	785	31.8	784	31.9	4	735	34.0	735	34.0	735	34.0
473.astar	4	757	37.1	757	37.1	757	37.1	4	756	37.1	756	37.1	757	37.1
483.xalancbmk	4	481	57.3	481	57.4	481	57.3	4	471	58.6	471	58.6	471	58.6

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 R460 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

Base Optimization Flags

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

Continued on next page



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R440
(Intel Xeon processor 5140,2.33GHz)

SPECint_rate2006 = 46.5

SPECint_rate_base2006 = 44.9

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

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

Base Optimization Flags (Continued)

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:
403.gcc: -Dalloca=_alloca



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R440
(Intel Xeon processor 5140,2.33GHz)

SPECint_rate2006 = 46.5

SPECint_rate_base2006 = 44.9

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

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

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.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 11:09:35 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 12 June 2007.