



SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R440
(Intel Xeon processor X5355,2.66GHz)

SPECint®2006 = 16.0

SPECint_base2006 = 15.4

CPU2006 license: 20

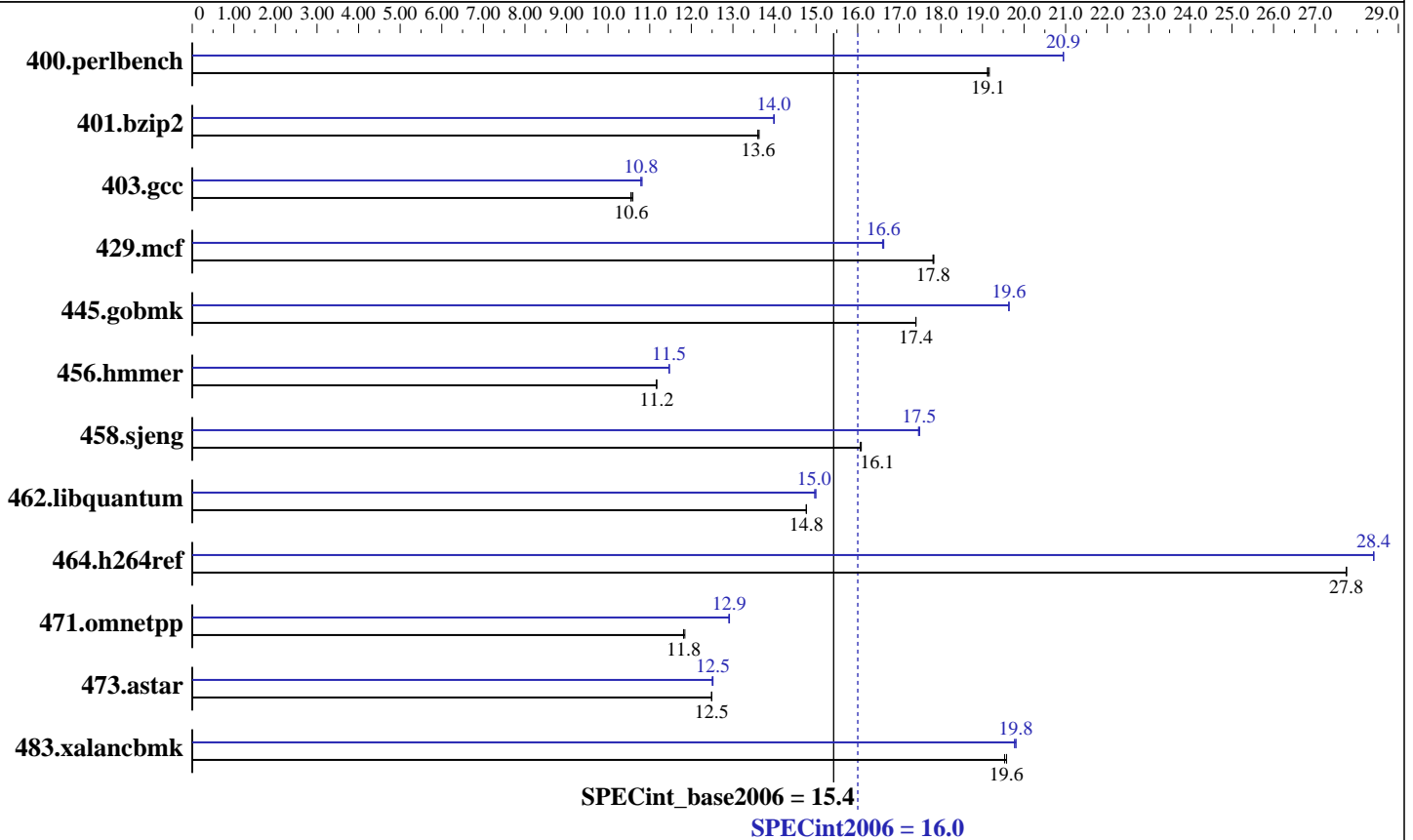
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: May-2007

Hardware Availability: Mar-2007

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: 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: 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

NovaScale R440
(Intel Xeon processor X5355,2.66GHz)

SPECint2006 = 16.0

SPECint_base2006 = 15.4

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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	510	19.2	<u>511</u>	<u>19.1</u>	511	19.1	467	20.9	466	20.9	<u>466</u>	<u>20.9</u>
401.bzip2	708	13.6	710	13.6	<u>709</u>	<u>13.6</u>	<u>690</u>	<u>14.0</u>	690	14.0	690	14.0
403.gcc	760	10.6	<u>762</u>	<u>10.6</u>	763	10.5	744	10.8	746	10.8	<u>746</u>	<u>10.8</u>
429.mcf	<u>512</u>	<u>17.8</u>	512	17.8	511	17.8	549	16.6	549	16.6	<u>549</u>	<u>16.6</u>
445.gobmk	<u>603</u>	<u>17.4</u>	603	17.4	603	17.4	<u>534</u>	<u>19.6</u>	534	19.6	534	19.6
456.hammer	836	11.2	836	11.2	<u>836</u>	<u>11.2</u>	814	11.5	<u>814</u>	<u>11.5</u>	814	11.5
458.sjeng	<u>753</u>	<u>16.1</u>	753	16.1	752	16.1	692	17.5	693	17.5	<u>692</u>	<u>17.5</u>
462.libquantum	1403	14.8	<u>1403</u>	<u>14.8</u>	1403	14.8	1382	15.0	<u>1382</u>	<u>15.0</u>	1385	15.0
464.h264ref	797	27.8	<u>797</u>	<u>27.8</u>	797	27.8	<u>779</u>	<u>28.4</u>	779	28.4	779	28.4
471.omnetpp	<u>529</u>	<u>11.8</u>	529	11.8	528	11.8	484	12.9	484	12.9	<u>484</u>	<u>12.9</u>
473.astar	562	12.5	562	12.5	<u>562</u>	<u>12.5</u>	562	12.5	561	12.5	<u>561</u>	<u>12.5</u>
483.xalancbmk	<u>352</u>	<u>19.6</u>	353	19.5	352	19.6	349	19.8	<u>348</u>	<u>19.8</u>	348	19.8

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

Operating System Notes

/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment

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



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R440
(Intel Xeon processor X5355,2.66GHz)

SPECint2006 = 16.0

SPECint_base2006 = 15.4

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

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

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

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



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R440
(Intel Xeon processor X5355,2.66GHz)

SPECint2006 = 16.0

SPECint_base2006 = 15.4

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

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>

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 11:46:14 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 29 May 2007.