SPEC® CINT2006 Result

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Bull SAS

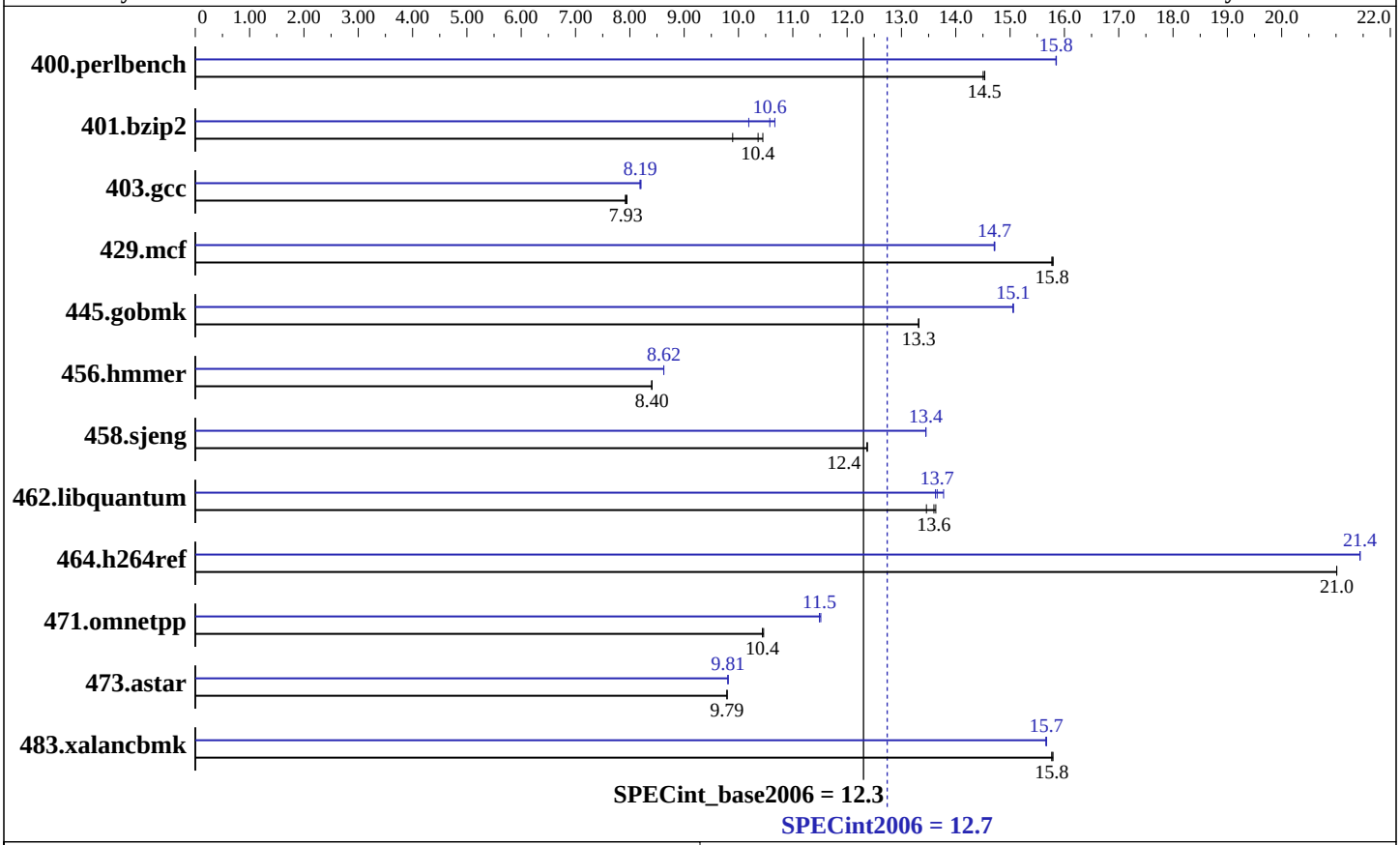
NovaScale B280 (Intel Xeon processor 5130,2.0GHz)

SPECint®2006 = 12.7

SPECint_base2006 = 12.3

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

Test date: Dec-2006
Hardware Availability: Jan-2007
Software Availability: Dec-2006



Hardware

CPU Name:	Intel Xeon 5130
CPU Characteristics:	2.0 GHz, 4MB L2, 1333MHz bus
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip
CPU(s) orderable:	1 to 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:	8 GB (1GB DIMMx8, FB-DIMM PC2-5300F ECC CL5)
Disk Subsystem:	73 GB SAS, 10000RPM
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition (32 bits) 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 (shlW32M.lib)

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	674	14.5	**672**	**14.5**	672	14.5	**617**	**15.8**	617	15.8	616	15.9
401.bzip2	924	10.4	975	9.89	**931**	**10.4**	**912**	**10.6**	947	10.2	904	10.7
403.gcc	1013	7.95	1017	7.92	**1015**	**7.93**	981	8.21	983	8.19	**983**	**8.19**
429.mcf	577	15.8	578	15.8	**578**	**15.8**	620	14.7	620	14.7	**620**	**14.7**
445.gobmk	**788**	**13.3**	788	13.3	788	13.3	**697**	**15.1**	697	15.1	697	15.1
456.hmmer	**1110**	**8.40**	1110	8.40	1110	8.40	1082	8.62	1082	8.62	**1082**	**8.62**
458.sjeng	978	12.4	978	12.4	**978**	**12.4**	**900**	**13.4**	900	13.5	900	13.4
462.libquantum	**1524**	**13.6**	1539	13.5	1520	13.6	1521	13.6	1504	13.8	**1517**	**13.7**
464.h264ref	**1053**	**21.0**	1053	21.0	1053	21.0	1032	21.4	**1032**	**21.4**	1032	21.4
471.omnetpp	**599**	**10.4**	599	10.4	597	10.5	544	11.5	543	11.5	**544**	**11.5**
473.astar	**717**	**9.79**	717	9.79	717	9.79	716	9.81	**716**	**9.81**	716	9.80
483.xalancbmk	**438**	**15.8**	438	15.8	437	15.8	**440**	**15.7**	440	15.7	441	15.7

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

General Notes

```
Other Configuration Notes
   /NUMPROC=1 flag was added to boot.ini to invoke
   uniprocessor environment
```

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

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`

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.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:19:05 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 6 February 2007.