SPEC® CINT2006 Result

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Bull SAS

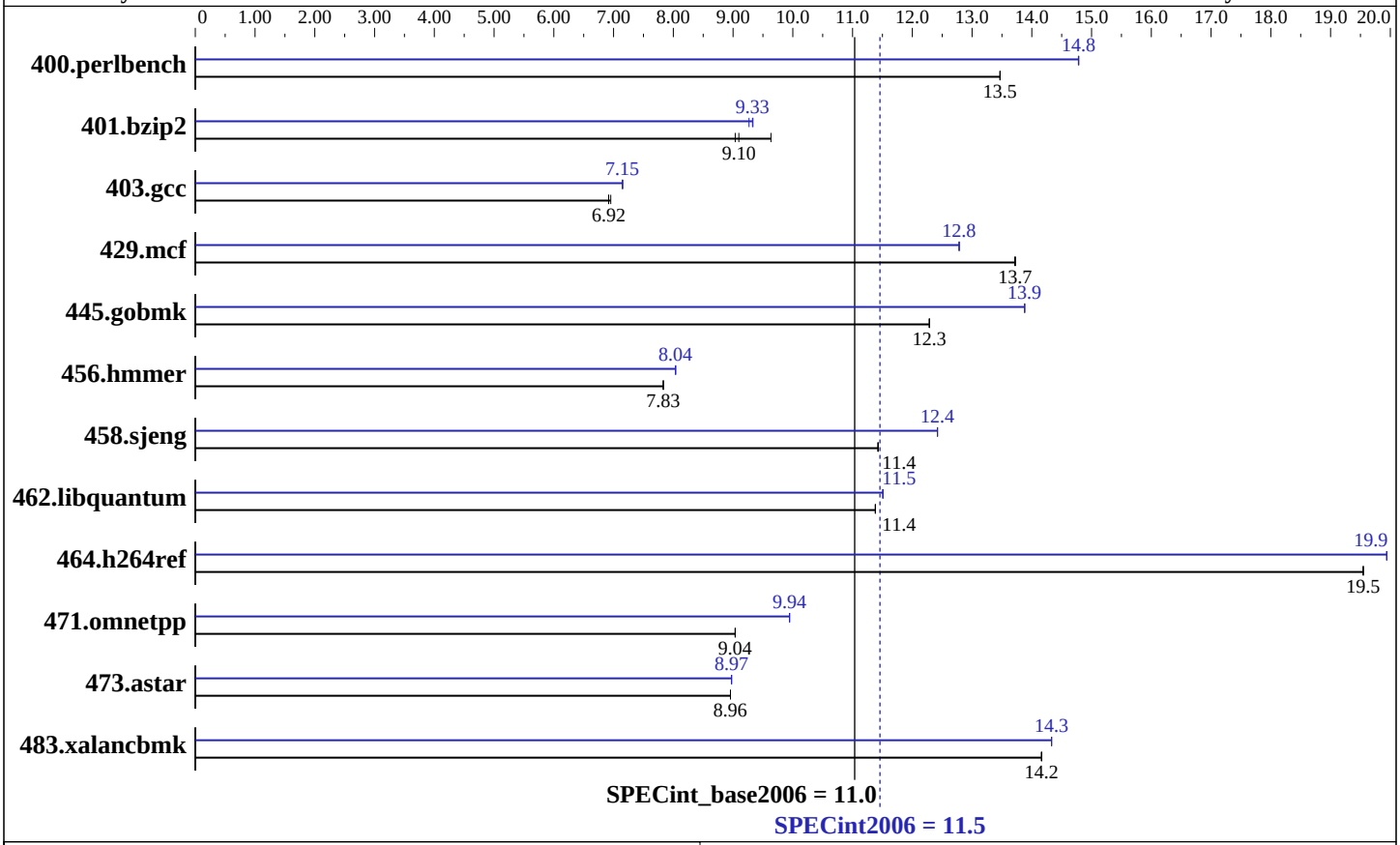
NovaScale B260 (Intel Xeon processor L5320,1.86GHz)

SPECint®2006 = 11.5

SPECint_base2006 = 11.0

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

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



Hardware

CPU Name:	Intel Xeon L5320
CPU Characteristics:	1.86 GHz, 8MB L2, 1066MHz bus
CPU MHz:	1860
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:	8 GB (2GB DIMMx4, 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	**725**	**13.5**	726	13.5	725	13.5	661	14.8	661	14.8	**661**	**14.8**
401.bzip2	1002	9.63	**1061**	**9.10**	1068	9.04	1041	9.27	1034	9.33	**1035**	**9.33**
403.gcc	1158	6.95	**1164**	**6.92**	1164	6.92	1126	7.15	**1126**	**7.15**	1125	7.15
429.mcf	664	13.7	**665**	**13.7**	665	13.7	714	12.8	713	12.8	**713**	**12.8**
445.gobmk	854	12.3	**854**	**12.3**	854	12.3	**756**	**13.9**	756	13.9	756	13.9
456.hmmer	1191	7.83	**1191**	**7.83**	1191	7.83	1161	8.04	**1161**	**8.04**	1161	8.04
458.sjeng	1059	11.4	**1059**	**11.4**	1059	11.4	974	12.4	974	12.4	**974**	**12.4**
462.libquantum	**1820**	**11.4**	1821	11.4	1820	11.4	**1801**	**11.5**	1800	11.5	1801	11.5
464.h264ref	1132	19.5	**1132**	**19.5**	1132	19.5	1110	19.9	**1110**	**19.9**	1110	19.9
471.omnetpp	692	9.04	692	9.03	**692**	**9.04**	628	9.95	628	9.94	**628**	**9.94**
473.astar	784	8.96	784	8.96	**784**	**8.96**	782	8.97	782	8.98	**782**	**8.97**
483.xalancbmk	**487**	**14.2**	487	14.2	487	14.2	**482**	**14.3**	481	14.3	482	14.3

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`

Continued on next page

Base Portability Flags (Continued)

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`

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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