

SPEC[®] CINT2006 Result

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azure
A4

SPECint[®]_rate2006 = Not Run

SPECint_rate_base2006 = 91.3

CPU2006 license: 4093

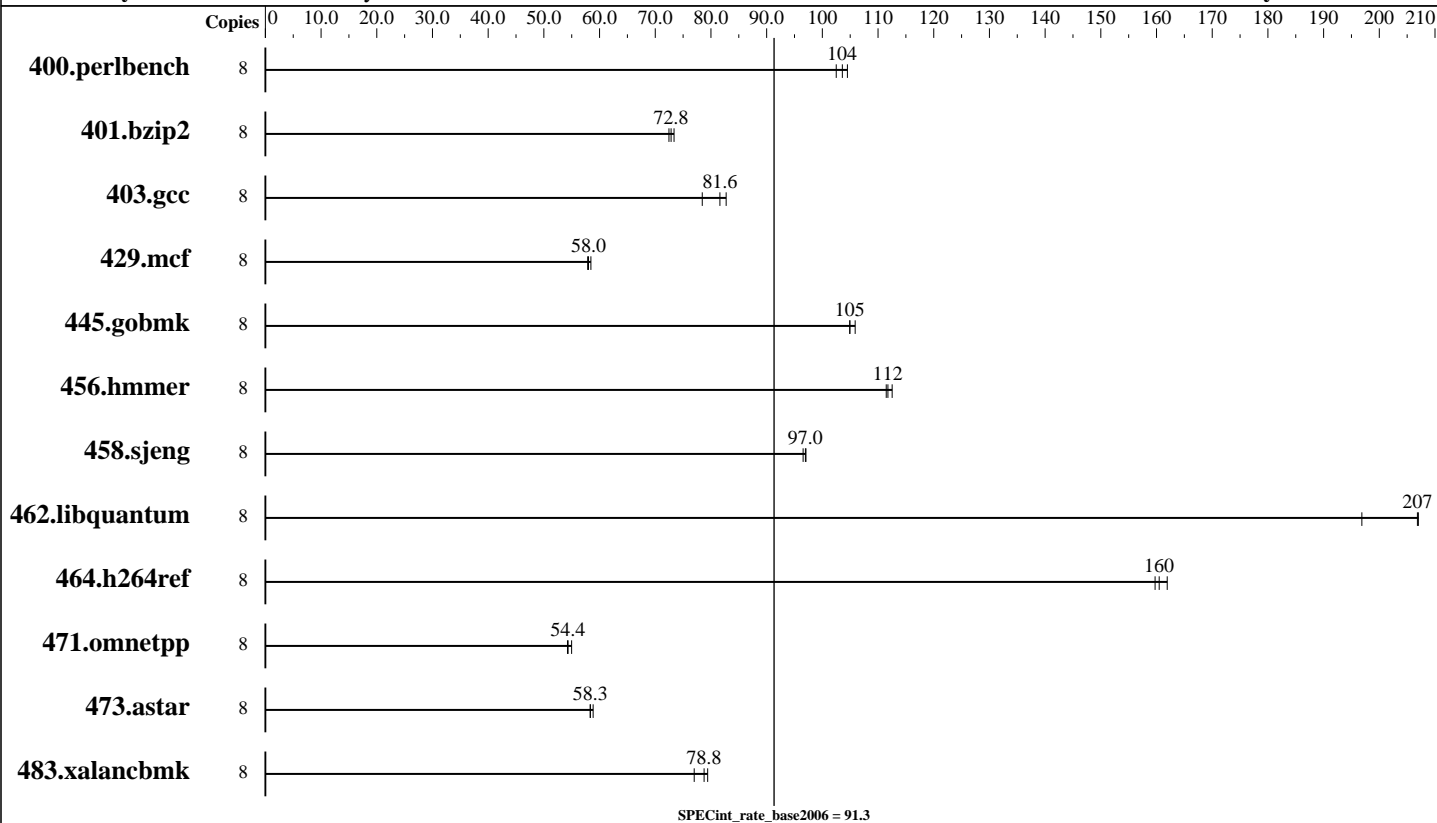
Test sponsor: azure

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



Hardware

CPU Name: AMD Opteron 4171 HE
 CPU Characteristics: AMD Opteron 4171 HE
 CPU MHz: 2094.715
 FPU: --
 CPU(s) enabled: 8 cores, 2 chips, 1 core/chip
 CPU(s) orderable: --
 Primary Cache: --
 Secondary Cache: 512 KB
 L3 Cache: --
 Other Cache: --
 Memory: 13.594 GB fixme: If using DDR3, format is:
 'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
 Disk Subsystem: 99 GB add more disk info here
 Other Hardware: --

Software

Operating System: CentOS release 6.3 (Final)
 2.6.32-279.14.1.el6.openlogic.x86_64
 Compiler: Intel C++ Compiler for Linux version 12.1.5
 Intel Parallel Studio XE 2011 SP1 Update 3
 Auto Parallel: No
 File System: ext4
 System State: Run level 3 (add definition here)
 Base Pointers: --
 Peak Pointers: Not Applicable
 Other Software: --

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Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	748	105	<u>755</u>	<u>104</u>	763	102							
401.bzip2	8	<u>1060</u>	<u>72.8</u>	1052	73.4	1065	72.5							
403.gcc	8	<u>789</u>	<u>81.6</u>	778	82.7	821	78.4							
429.mcf	8	<u>1258</u>	<u>58.0</u>	1261	57.9	1248	58.4							
445.gobmk	8	792	106	<u>800</u>	<u>105</u>	800	105							
456.hammer	8	663	113	<u>668</u>	<u>112</u>	670	111							
458.sjeng	8	1003	96.5	<u>998</u>	<u>97.0</u>	997	97.1							
462.libquantum	8	842	197	801	207	<u>801</u>	<u>207</u>							
464.h264ref	8	1093	162	<u>1103</u>	<u>160</u>	1108	160							
471.omnetpp	8	<u>920</u>	<u>54.4</u>	922	54.2	909	55.0							
473.astar	8	<u>963</u>	<u>58.3</u>	954	58.8	963	58.3							
483.xalancbmk	8	717	77.0	<u>701</u>	<u>78.8</u>	695	79.4							

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

Submit Notes

The config file option 'submit' was used.

Platform Notes

```
Sysinfo program /opt/cpu2006/Docs/sysinfo
$Rev: 6775 $ $Date: 2011-08-16 # $ 8787f7622badcf24e01c368b1db4377c
running on ch-test-xlarge1 Sat May 18 01:47:34 2013
```

This section contains SUT (System Under Test) info as seen by some common utilities. To remove or add to this section, see:
<http://www.spec.org/cpu2006/Docs/config.html#sysinfo>

```
From /proc/cpuinfo
model name : AMD Opteron(tm) Processor 4171 HE
 2 "physical id"s (chips)
 8 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The
following excerpts from /proc/cpuinfo might not be reliable. Use with
caution.)
cpu cores : 4
siblings : 4
physical 0: cores 0 1 2 3
physical 1: cores 0 1 2 3
cache size : 512 KB
```

```
From /proc/meminfo
MemTotal: 14254564 kB
```

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Platform Notes (Continued)

HugePages_Total: 0
Hugepagesize: 2048 kB

```
/usr/bin/lsb_release -d  
CentOS release 6.3 (Final)
```

```
From /etc/*release* /etc/*version*  
centos-release: CentOS release 6.3 (Final)  
redhat-release: CentOS release 6.3 (Final)  
system-release: CentOS release 6.3 (Final)  
system-release-cpe: cpe:/o:centos:linux:6:GA
```

```
uname -a:  
Linux ch-test-xlarge1 2.6.32-279.14.1.el6.openlogic.x86_64 #1 SMP Wed Dec 12  
18:33:43 UTC 2012 x86_64 x86_64 x86_64 GNU/Linux
```

```
run-level 3 May 17 13:55
```

```
SPEC is set to: /opt/cpu2006  
Filesystem      Type      Size  Used Avail Use% Mounted on  
/dev/sdcl       ext4      99G   15G   80G  16% /opt
```

(End of data from sysinfo program)

General Notes

Environment variables set by runspec before the start of the run:
LD_LIBRARY_PATH = "/opt/cpu2006/libs/32:/opt/cpu2006/libs/64"

Base Compiler Invocation

C benchmarks:
icc -m32

C++ benchmarks:
icpc -m32

Base Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX

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Base Optimization Flags

C benchmarks:
-ipo -O3 -no-prec-div -opt-prefetch

C++ benchmarks:
-ipo -O3 -no-prec-div -opt-prefetch

Base Other Flags

C benchmarks:
403.gcc: -Dalloca=_alloca

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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 v1.2.
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