

SPEC[®] CINT2006 Result

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azure
A2

SPECint[®]_rate2006 = Not Run

SPECint_rate_base2006 = 27.4

CPU2006 license: 4093

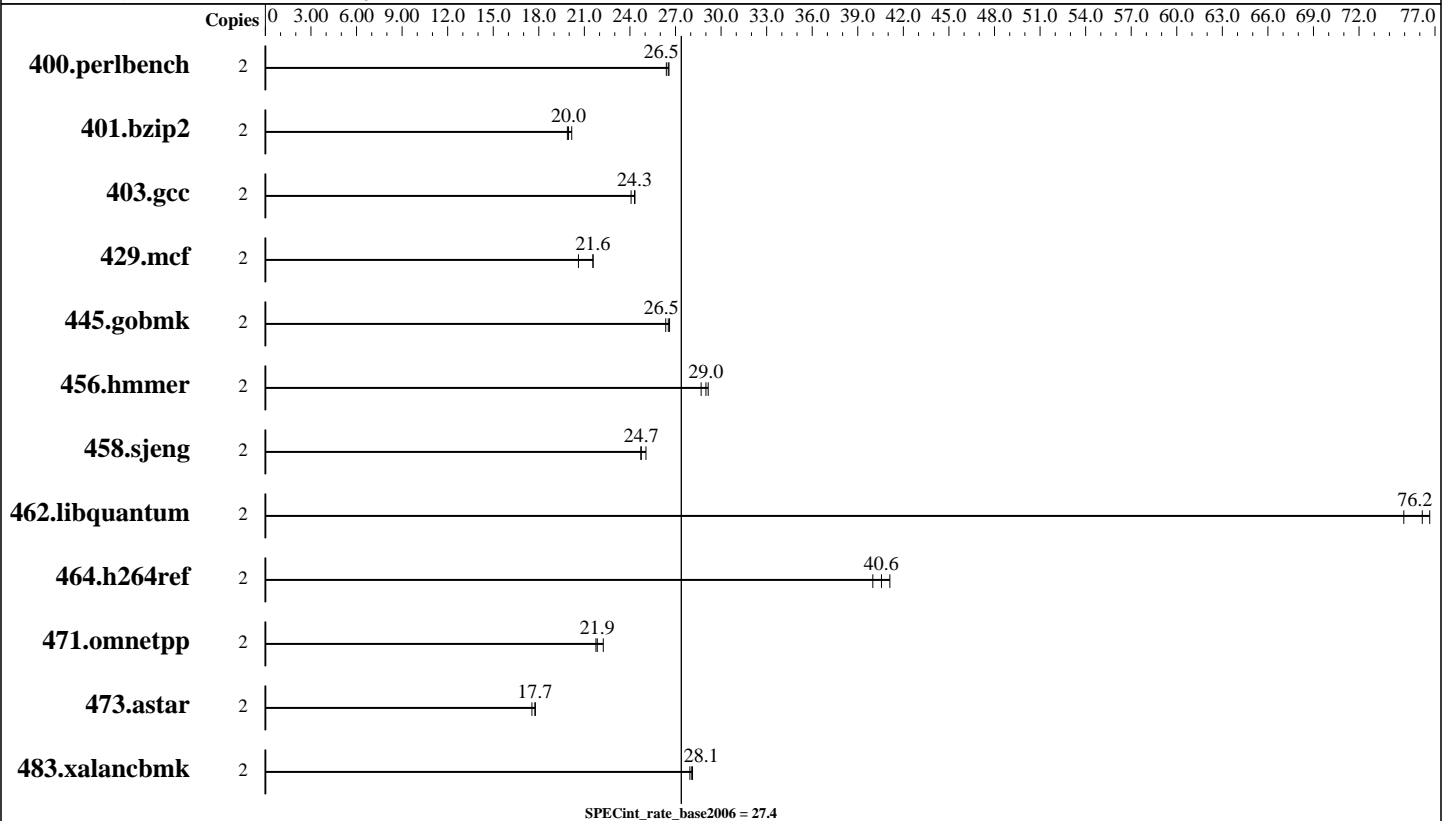
Test sponsor: azure

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: 2094.707
FPU: --
CPU(s) enabled: 2 cores, 1 chip, 1 core/chip
CPU(s) orderable: --
Primary Cache: --
Secondary Cache: 512 KB
L3 Cache: --
Other Cache: --
Memory: 3.242 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	2	740	26.4	735	26.6	<u>737</u>	<u>26.5</u>							
401.bzip2	2	<u>967</u>	<u>20.0</u>	971	19.9	957	20.2							
403.gcc	2	<u>662</u>	<u>24.3</u>	662	24.3	669	24.1							
429.mcf	2	<u>846</u>	<u>21.6</u>	846	21.6	885	20.6							
445.gobmk	2	788	26.6	<u>791</u>	<u>26.5</u>	796	26.4							
456.hammer	2	640	29.2	<u>643</u>	<u>29.0</u>	650	28.7							
458.sjeng	2	966	25.1	<u>978</u>	<u>24.7</u>	979	24.7							
462.libquantum	2	541	76.7	<u>544</u>	<u>76.2</u>	553	74.9							
464.h264ref	2	1077	41.1	<u>1091</u>	<u>40.6</u>	1107	40.0							
471.omnetpp	2	<u>572</u>	<u>21.9</u>	562	22.2	574	21.8							
473.astar	2	790	17.8	<u>791</u>	<u>17.7</u>	800	17.5							
483.xalancbmk	2	<u>492</u>	<u>28.1</u>	491	28.1	494	27.9							

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-med1 Thu May 16 14:03:30 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
 1 "physical id"s (chips)
 2 "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 : 2
siblings : 2
physical 0: cores 0 1
cache size : 512 KB
```

```
From /proc/meminfo
MemTotal: 3399192 kB
HugePages_Total: 0
```

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Platform Notes (Continued)

```
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-med1 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 16 13:36

SPEC is set to: /opt/cpu2006
Filesystem      Type      Size  Used Avail Use% Mounted on
/dev/sdcl       ext4      99G   5.7G   88G   7% /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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