

SPEC® CINT2006 Result

Copyright 2006-2013 Standard Performance Evaluation Corporation

rackspace
4gb

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 25.9

CPU2006 license: 4093

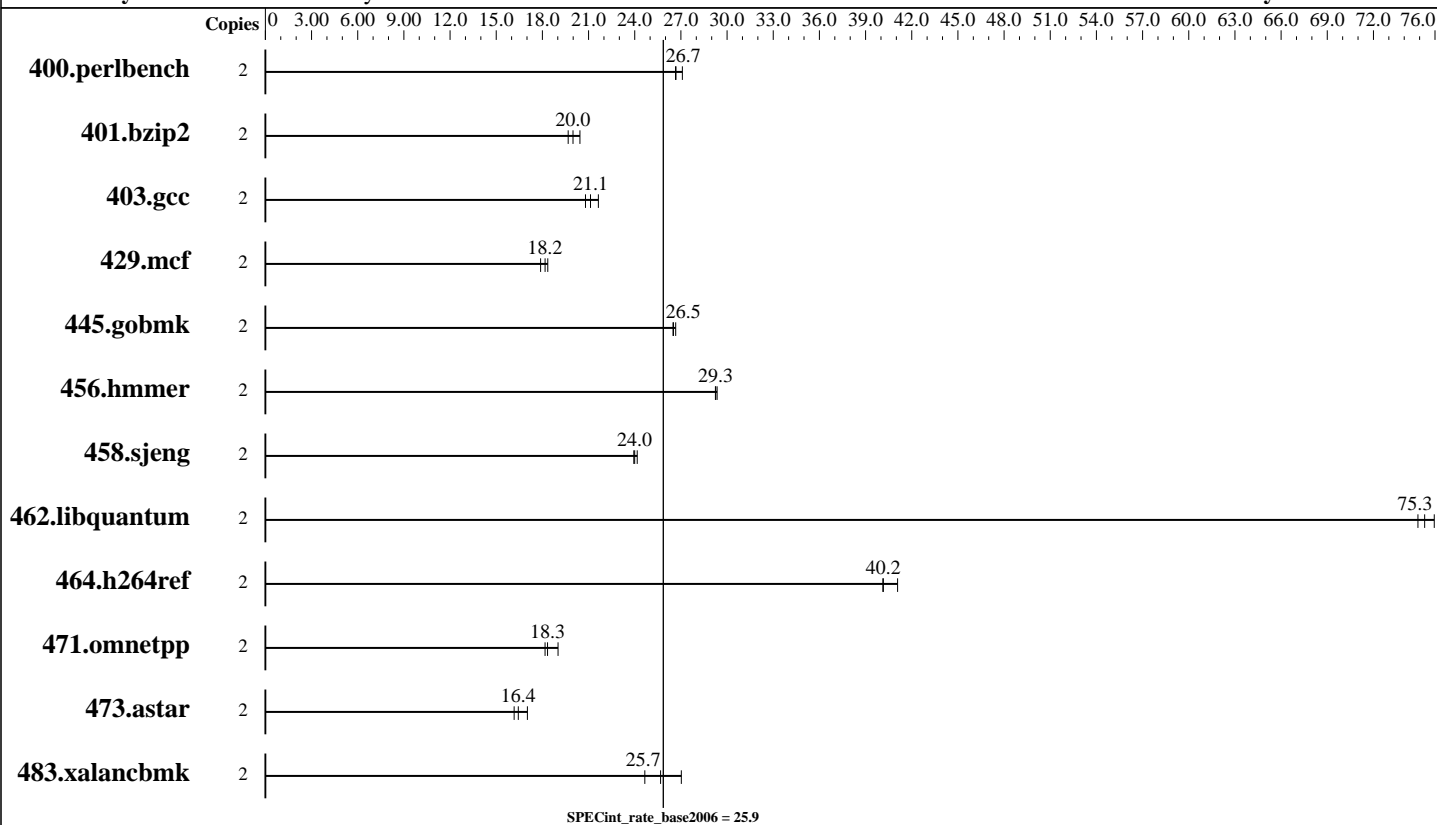
Test sponsor: rackspace

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



Hardware

CPU Name: AMD Opteron 4170 HE
CPU Characteristics: AMD Opteron 4170 HE
CPU MHz: 2100.034
FPU: --
CPU(s) enabled: 2 cores, could not determine chips, 1 core/chip
CPU(s) orderable: --
Primary Cache: --
Secondary Cache: 512 KB
L3 Cache: --
Other Cache: --
Memory: 3.790 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 158 GB add more disk info here
Other Hardware: --

Software

Operating System: CentOS release 6.4 (Final)
2.6.32-358.6.1.el6.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: ext3
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	721	27.1	733	26.6	<u>732</u>	<u>26.7</u>							
401.bzip2	2	944	20.4	981	19.7	<u>966</u>	<u>20.0</u>							
403.gcc	2	744	21.6	774	20.8	<u>762</u>	<u>21.1</u>							
429.mcf	2	994	18.3	1020	17.9	<u>1004</u>	<u>18.2</u>							
445.gobmk	2	787	26.7	792	26.5	<u>791</u>	<u>26.5</u>							
456.hammer	2	636	29.4	<u>638</u>	<u>29.3</u>	638	29.2							
458.sjeng	2	1002	24.2	1011	23.9	<u>1008</u>	<u>24.0</u>							
462.libquantum	2	546	76.0	553	74.9	<u>550</u>	<u>75.3</u>							
464.h264ref	2	1077	41.1	<u>1102</u>	<u>40.2</u>	1103	40.1							
471.omnetpp	2	657	19.0	<u>682</u>	<u>18.3</u>	688	18.2							
473.astar	2	825	17.0	<u>854</u>	<u>16.4</u>	869	16.2							
483.xalancbmk	2	511	27.0	<u>537</u>	<u>25.7</u>	560	24.7							

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 test-4gb Fri May 17 00:41:27 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 4170 HE
*
* 0 "physical id" tags found. Perhaps this is an older system,
* or a virtualized system. Not attempting to guess how to
* count chips/cores for this system.
*
  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.)
  cache size : 512 KB
```

```
From /proc/meminfo
  MemTotal:          3974560 kB
```

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Platform Notes (Continued)

HugePages_Total: 0
Hugepagesize: 2048 kB

From /etc/*release* /etc/*version*
centos-release: CentOS release 6.4 (Final)
redhat-release: CentOS release 6.4 (Final)
system-release: CentOS release 6.4 (Final)
system-release-cpe: cpe:/o:centos:linux:6:GA

uname -a:
Linux test-4gb 2.6.32-358.6.1.el6.x86_64 #1 SMP Tue Apr 23 19:29:00 UTC 2013
x86_64 x86_64 x86_64 GNU/Linux

run-level 3 May 16 13:23

SPEC is set to: /opt/cpu2006
Filesystem Type Size Used Avail Use% Mounted on
/dev/xvda1 ext3 158G 7.3G 143G 5% /

(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

Base Optimization Flags

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

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Base Optimization Flags (Continued)

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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