

# SPEC<sup>®</sup> CINT2006 Result

Copyright 2006-2013 Standard Performance Evaluation Corporation

rackspace  
4gb

SPECint<sup>®</sup>\_rate2006 = Not Run

SPECint\_rate\_base2006 = 25.9

CPU2006 license: 4093

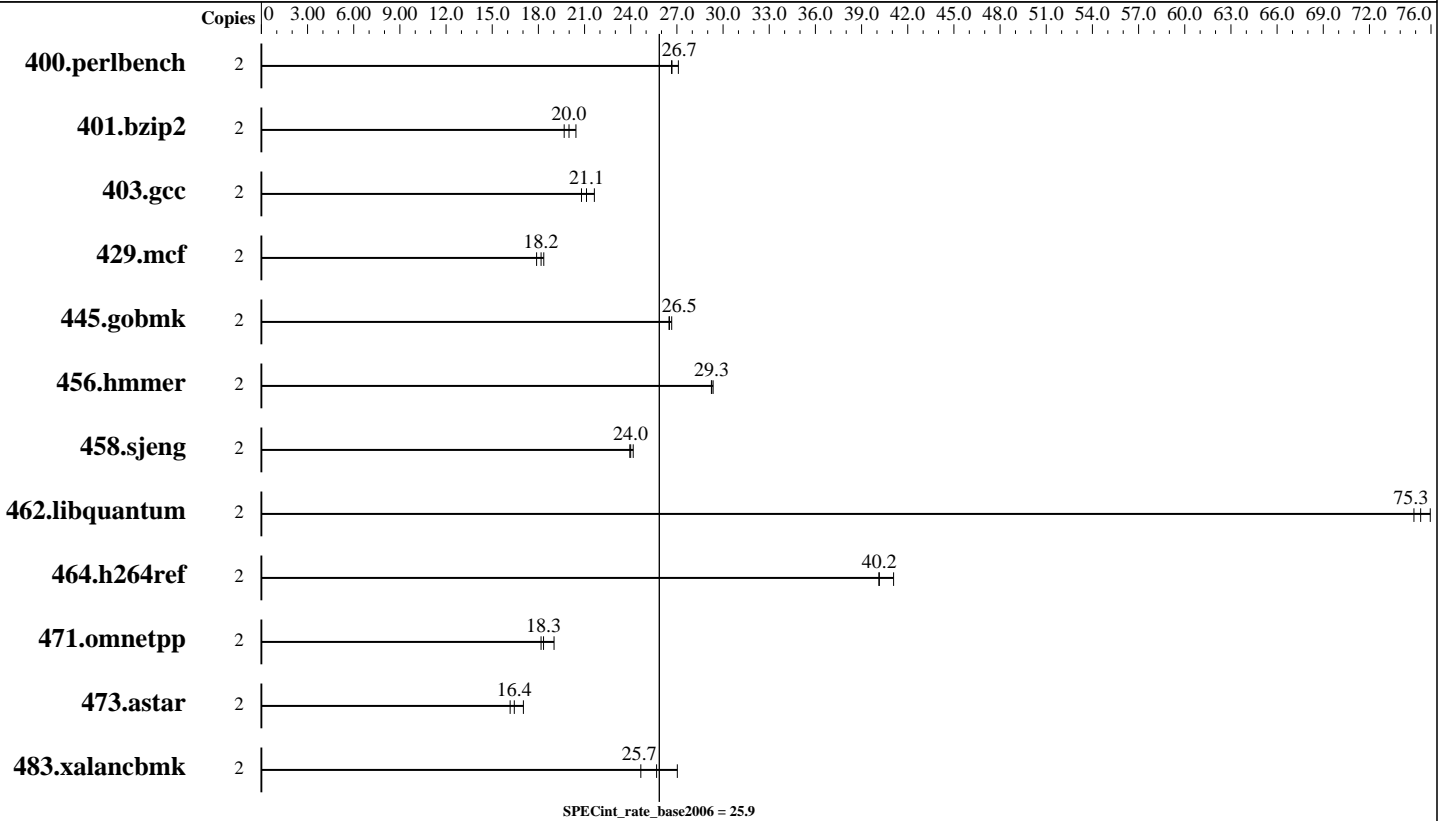
Test date: May-2013

Test sponsor: rackspace

Hardware Availability: --

Tested by: CloudHarmony Inc

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: --

# 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: --

## 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	<b><u>732</u></b>	<b><u>26.7</u></b>									
401.bzip2	2	944	20.4	981	19.7	<b><u>966</u></b>	<b><u>20.0</u></b>									
403.gcc	2	744	21.6	774	20.8	<b><u>762</u></b>	<b><u>21.1</u></b>									
429.mcf	2	994	18.3	1020	17.9	<b><u>1004</u></b>	<b><u>18.2</u></b>									
445.gobmk	2	787	26.7	792	26.5	<b><u>791</u></b>	<b><u>26.5</u></b>									
456.hammer	2	636	29.4	<b><u>638</u></b>	<b><u>29.3</u></b>	638	29.2									
458.sjeng	2	1002	24.2	1011	23.9	<b><u>1008</u></b>	<b><u>24.0</u></b>									
462.libquantum	2	546	76.0	553	74.9	<b><u>550</u></b>	<b><u>75.3</u></b>									
464.h264ref	2	1077	41.1	<b><u>1102</u></b>	<b><u>40.2</u></b>	1103	40.1									
471.omnetpp	2	657	19.0	<b><u>682</u></b>	<b><u>18.3</u></b>	688	18.2									
473.astar	2	825	17.0	<b><u>854</u></b>	<b><u>16.4</u></b>	869	16.2									
483.xalancbmk	2	511	27.0	<b><u>537</u></b>	<b><u>25.7</u></b>	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
```

Continued on next page

# 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: --

## 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

Continued on next page

# 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: --

## Base Optimization Flags (Continued)

C++ benchmarks:

-ipo -O3 -no-prec-div -opt-prefetch

## Base Other Flags

C benchmarks:

403.gcc: -Dalloca=\_alloca

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.2.  
Report generated on Fri May 17 22:27:32 2013 by SPEC CPU2006 PS/PDF formatter v6401.