

SPEC[®] CFP2006 Result

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rackspace
8gb

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 47.6

CPU2006 license: 4093

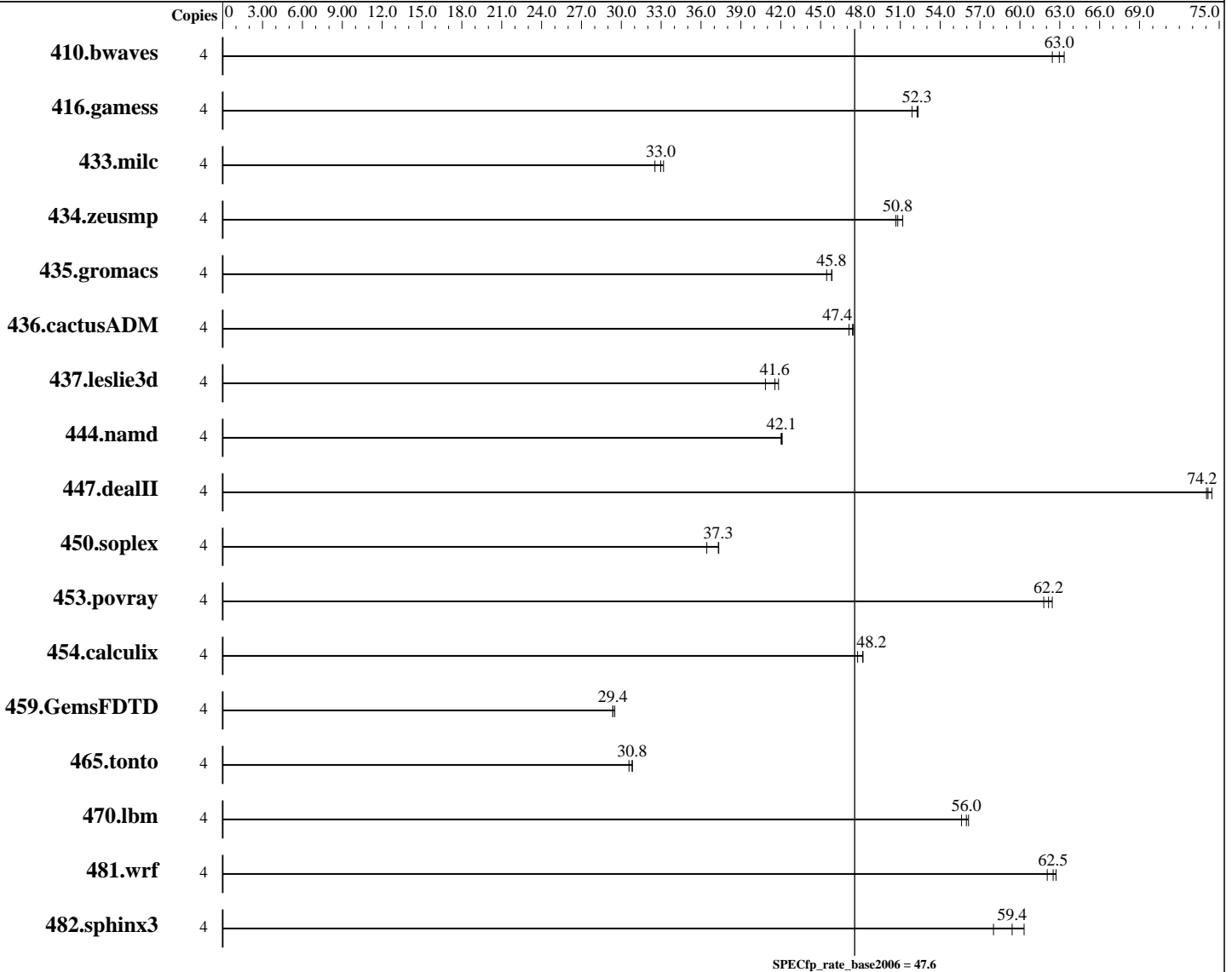
Test sponsor: rackspace

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: 2100.072
 FPU: --
 CPU(s) enabled: 4 cores, could not determine chips, 1 core/chip
 CPU(s) orderable: --
 Primary Cache: --
 Secondary Cache: 512 KB

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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
 Intel Fortran 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)

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L3 Cache: --
Other Cache: --
Memory: 7.657 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 315 GB add more disk info here
Other Hardware: --

Base Pointers: --
Peak Pointers: Not Applicable
Other Software: --

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	871	62.4	858	63.3	863	63.0							
416.gamess	4	1499	52.3	1496	52.3	1510	51.9							
433.milc	4	1129	32.5	1107	33.2	1114	33.0							
434.zeusmp	4	718	50.7	711	51.2	716	50.8							
435.gromacs	4	628	45.5	623	45.8	623	45.8							
436.cactusADM	4	1014	47.1	1007	47.5	1008	47.4							
437.leslie3d	4	920	40.8	899	41.8	905	41.6							
444.namd	4	763	42.0	763	42.1	762	42.1							
447.dealII	4	618	74.0	617	74.2	615	74.4							
450.soplex	4	916	36.4	893	37.3	894	37.3							
453.povray	4	344	61.8	341	62.4	342	62.2							
454.calculix	4	691	47.8	685	48.2	685	48.2							
459.GemsFDTD	4	1445	29.4	1445	29.4	1438	29.5							
465.tonto	4	1287	30.6	1278	30.8	1276	30.8							
470.lbm	4	988	55.6	982	56.0	979	56.1							
481.wrf	4	720	62.1	715	62.5	712	62.7							
482.sphinx3	4	1344	58.0	1312	59.4	1293	60.3							

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-8gb Fri May 17 00:17:46 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

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Platform Notes (Continued)

```
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.
*
    4 "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:      8028712 kB
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-8gb 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      315G  7.4G  292G   3% /

(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

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Base Compiler Invocation (Continued)

Fortran benchmarks:

ifort -m32

Benchmarks using both Fortran and C:

icc -m32 ifort -m32

Base Portability Flags

435.gromacs: -nofor_main

436.cactusADM: -nofor_main

454.calculix: -nofor_main

481.wrf: -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:

-ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32 -ansi-alias

C++ benchmarks:

-ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32

Fortran benchmarks:

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

Benchmarks using both Fortran and C:

-ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32 -ansi-alias

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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.

Report generated on Fri May 17 22:11:37 2013 by SPEC CPU2006 PS/PDF formatter v6401.