

SPEC[®] CFP2006 Result

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rackspace
4gb

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 24.3

CPU2006 license: 4093

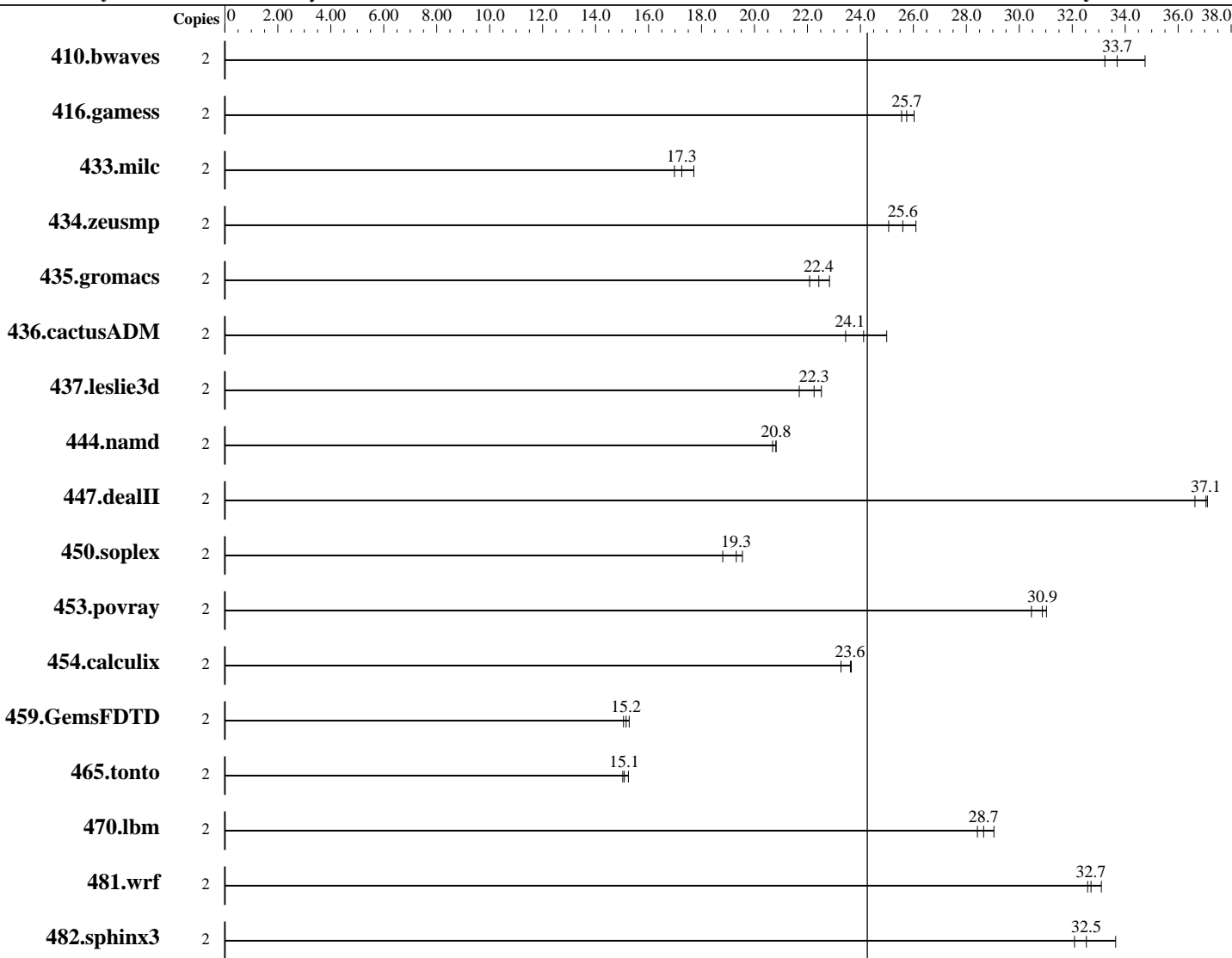
Test sponsor: rackspace

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



SPECfp_rate_base2006 = 24.3

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

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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: 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: --

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	2	782	34.7	807	33.7	818	33.2									
416.gamess	2	1505	26.0	1532	25.6	1521	25.7									
433.milc	2	1037	17.7	1064	17.3	1081	17.0									
434.zeusmp	2	697	26.1	711	25.6	726	25.1									
435.gromacs	2	625	22.8	637	22.4	647	22.1									
436.cactusADM	2	956	25.0	991	24.1	1020	23.4									
437.leslie3d	2	835	22.5	845	22.3	867	21.7									
444.namd	2	771	20.8	771	20.8	775	20.7									
447.dealII	2	617	37.1	618	37.1	625	36.6									
450.soplex	2	864	19.3	853	19.5	887	18.8									
453.povray	2	349	30.5	343	31.0	345	30.9									
454.calculix	2	698	23.6	697	23.7	709	23.3									
459.GemsFDTD	2	1400	15.2	1390	15.3	1410	15.1									
465.tonto	2	1305	15.1	1291	15.2	1310	15.0									
470.lbm	2	967	28.4	946	29.0	959	28.7									
481.wrf	2	683	32.7	675	33.1	686	32.6									
482.sphinx3	2	1198	32.5	1159	33.6	1215	32.1									

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

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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.
*
  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
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

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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.

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