

SPEC[®] CFP2006 Result

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aws
m1.large

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 23.8

CPU2006 license: 4093

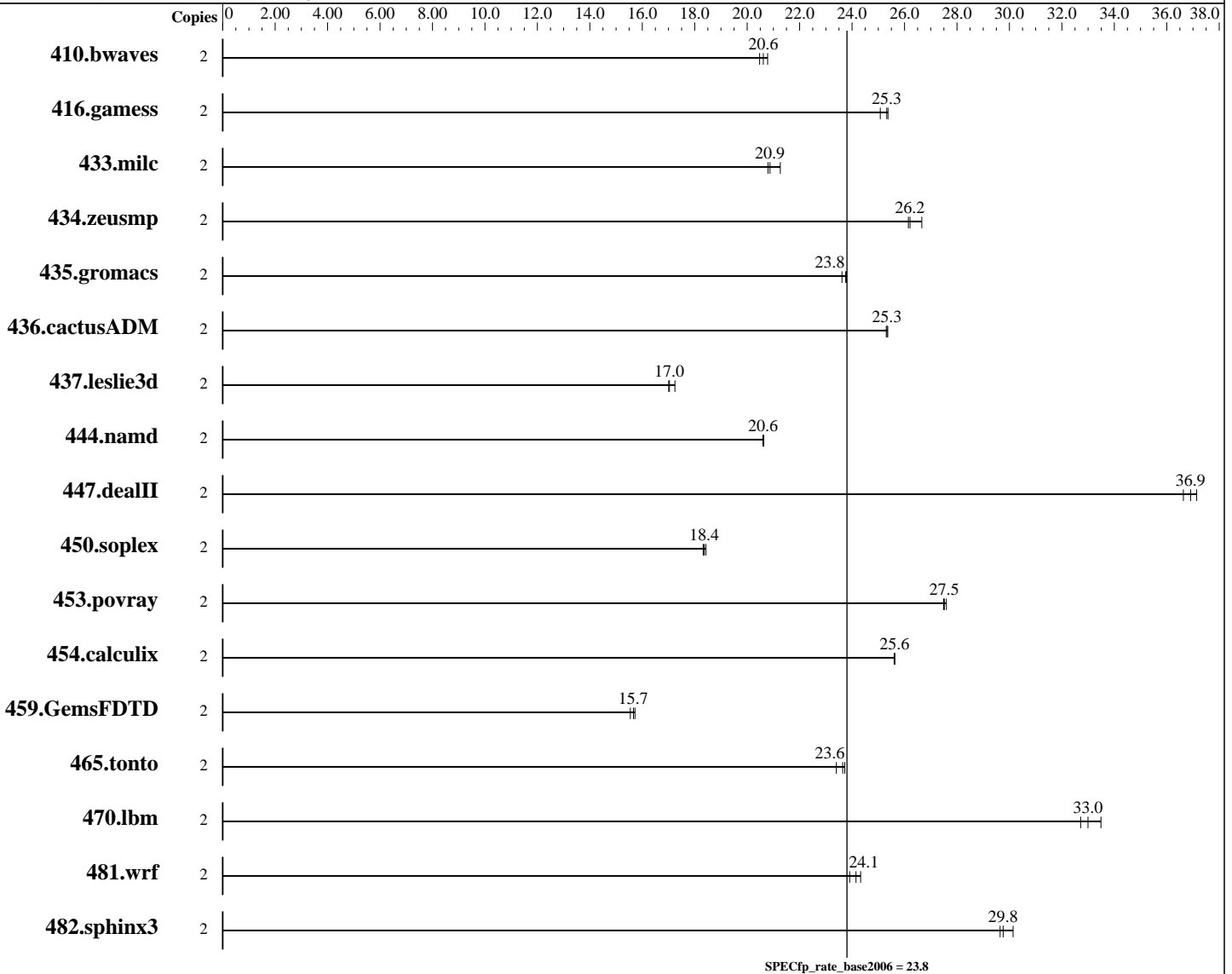
Test sponsor: aws

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



Hardware

CPU Name: Intel Xeon E5430
 CPU Characteristics: Intel Xeon E5430 2.66GHz
 CPU MHz: 2659.998
 FPU: --
 CPU(s) enabled: 2 cores, could not determine chips, 1 core/chip
 CPU(s) orderable: --
 Primary Cache: --
 Secondary Cache: 6144 KB

Continued on next page

Software

Operating System: Amazon Linux AMI release 2013.03
 3.4.37-40.44.amzn1.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: ext4
 System State: Run level 3 (add definition here)

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L3 Cache: --
Other Cache: --
Memory: 7.280 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 1008 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	1308	20.8	1327	20.5	1318	20.6									
416.gamess	2	1544	25.4	1546	25.3	1562	25.1									
433.milc	2	880	20.9	863	21.3	883	20.8									
434.zeusmp	2	696	26.1	683	26.7	694	26.2									
435.gromacs	2	601	23.8	605	23.6	600	23.8									
436.cactusADM	2	944	25.3	942	25.4	945	25.3									
437.leslie3d	2	1090	17.2	1105	17.0	1104	17.0									
444.namd	2	778	20.6	777	20.6	779	20.6									
447.dealII	2	616	37.1	625	36.6	620	36.9									
450.soplex	2	908	18.4	905	18.4	910	18.3									
453.povray	2	386	27.6	387	27.5	387	27.5									
454.calculix	2	644	25.6	644	25.6	644	25.6									
459.GemsFDTD	2	1355	15.7	1365	15.5	1350	15.7									
465.tonto	2	830	23.7	832	23.6	841	23.4									
470.lbm	2	840	32.7	821	33.5	833	33.0									
481.wrf	2	934	23.9	925	24.1	918	24.3									
482.sphinx3	2	1315	29.6	1293	30.1	1310	29.8									

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 ip-10-205-14-223 Mon May 13 05:43:55 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 : Intel(R) Xeon(R) CPU E5430 @ 2.66GHz
*
* 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 : 6144 KB

From /proc/meminfo
MemTotal:      7633616 kB
HugePages_Total:    0
Hugepagesize:   2048 kB

From /etc/*release* /etc/*version*
system-release: Amazon Linux AMI release 2013.03
system-release-cpe: cpe:/o:amazon:linux:2013.03:ga

uname -a:
Linux ip-10-205-14-223 3.4.37-40.44.amzn1.x86_64 #1 SMP Thu Mar 21 01:17:08
UTC 2013 x86_64 x86_64 x86_64 GNU/Linux

run-level 3 May 13 05:39

SPEC is set to: /opt/cpu2006
Filesystem      Type      Size  Used Avail Use% Mounted on
/dev/xvdd       ext4     1008G  9.6G  948G   1% /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

Fortran benchmarks:
ifort -m32

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Base Compiler Invocation (Continued)

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:
-xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32
-ansi-alias

C++ benchmarks:
-xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32

Fortran benchmarks:
-xSSE4.1 -ipo -O3 -no-prec-div -static -opt-prefetch

Benchmarks using both Fortran and C:
-xSSE4.1 -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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