

SPEC[®] CFP2006 Result

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aws
m1.large

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 37.1

CPU2006 license: 4093

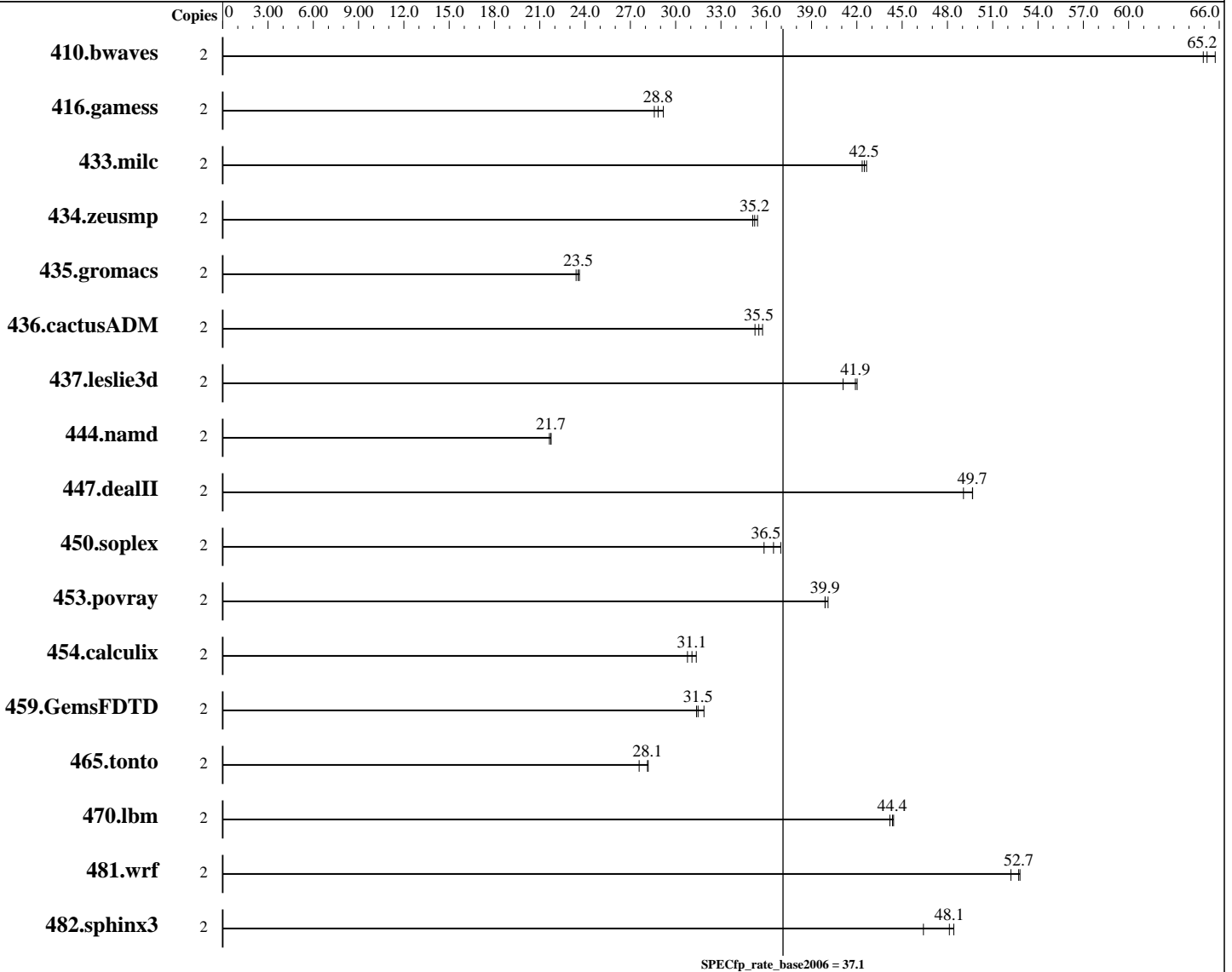
Test sponsor: aws

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



Hardware

CPU Name: Intel Xeon E5-2650 0
 CPU Characteristics: Intel Xeon E5-2650 0 2.00GHz
 CPU MHz: 1799.999
 FPU: --
 CPU(s) enabled: 2 cores, 1 chip, 1 core/chip
 CPU(s) orderable: --
 Primary Cache: --
 Secondary Cache: 20480 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	413	65.7	417	65.2	419	64.9									
416.gamess	2	1342	29.2	1370	28.6	1358	28.8									
433.milc	2	432	42.5	434	42.4	431	42.6									
434.zeusmp	2	517	35.2	518	35.1	514	35.4									
435.gromacs	2	610	23.4	604	23.6	607	23.5									
436.cactusADM	2	678	35.3	668	35.8	673	35.5									
437.leslie3d	2	458	41.1	449	41.9	447	42.0									
444.namd	2	741	21.6	738	21.7	738	21.7									
447.dealII	2	466	49.1	461	49.7	461	49.7									
450.soplex	2	465	35.9	451	37.0	457	36.5									
453.povray	2	267	39.9	265	40.1	267	39.9									
454.calculix	2	531	31.1	526	31.4	536	30.8									
459.GemsFDTD	2	674	31.5	666	31.9	676	31.4									
465.tonto	2	714	27.6	700	28.1	698	28.2									
470.lbm	2	622	44.2	619	44.4	618	44.4									
481.wrf	2	428	52.2	423	52.8	424	52.7									
482.sphinx3	2	840	46.4	805	48.4	810	48.1									

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 ip-10-159-85-99 Mon May 13 05:40:18 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 E5-2650 0 @ 2.00GHz
 1 "physical id"s (chips)
 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.)
  cpu cores : 1
  siblings  : 2
  physical 0: cores 0
cache size : 20480 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-10-159-85-99 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/xvdh       ext4     1008G  8.4G  949G   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:

```
-xSSE4.2 -ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32
-ansi-alias
```

C++ benchmarks:

```
-xSSE4.2 -ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32
```

Fortran benchmarks:

```
-xSSE4.2 -ipo -O3 -no-prec-div -static -opt-prefetch
```

Benchmarks using both Fortran and C:

```
-xSSE4.2 -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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