

# SPEC® CINT2006 Result

Copyright 2006-2013 Standard Performance Evaluation Corporation

aws  
m3.xlarge

SPECint®\_rate2006 = Not Run

SPECint\_rate\_base2006 = 80.2

CPU2006 license: 4093

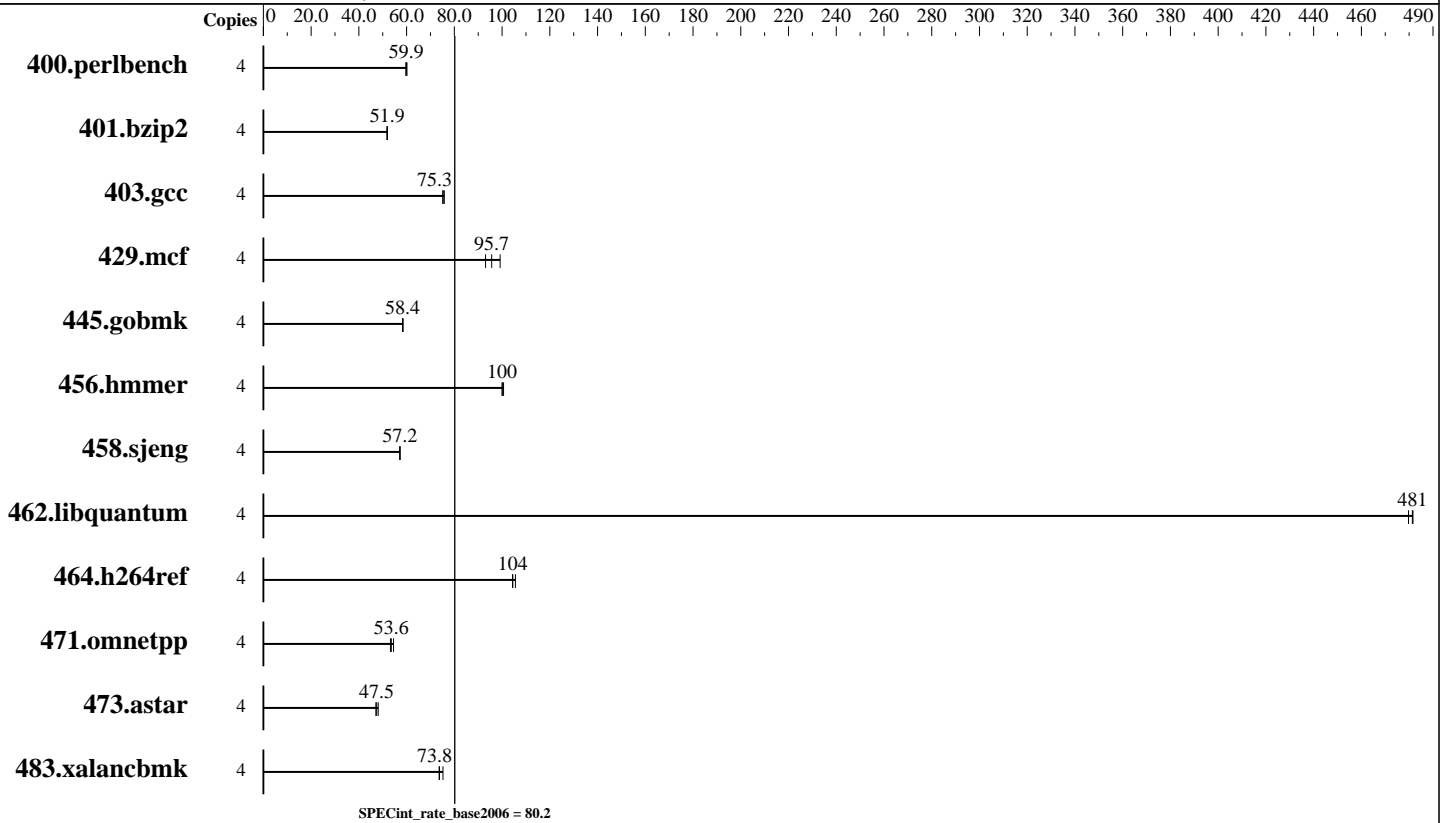
Test sponsor: aws

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



## Hardware

CPU Name: Intel Xeon E5-2670 0  
CPU Characteristics: Intel Xeon E5-2670 0 2.60GHz  
CPU MHz: 2600.223  
FPU: --  
CPU(s) enabled: 4 cores, 1 chip, 1 core/chip  
CPU(s) orderable: --  
Primary Cache: --  
Secondary Cache: 20480 KB  
L3 Cache: --  
Other Cache: --  
Memory: 13.694 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: --

## 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  
Auto Parallel: No  
File System: ext4  
System State: Run level 3 (add definition here)  
Base Pointers: --  
Peak Pointers: Not Applicable  
Other Software: --

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## Results Table

Benchmark	Base								Peak					
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	650	60.2	<b><u>652</u></b>	<b><u>59.9</u></b>	655	59.7							
401.bzip2	4	744	51.8	744	51.9	<b><u>744</u></b>	<b><u>51.9</u></b>							
403.gcc	4	425	75.8	<b><u>427</u></b>	<b><u>75.3</u></b>	429	75.1							
429.mcf	4	368	99.2	<b><u>381</u></b>	<b><u>95.7</u></b>	392	93.1							
445.gobmk	4	717	58.5	720	58.3	<b><u>719</u></b>	<b><u>58.4</u></b>							
456.hammer	4	373	100	<b><u>373</u></b>	<b><u>100</u></b>	371	101							
458.sjeng	4	846	57.2	<b><u>846</u></b>	<b><u>57.2</u></b>	846	57.2							
462.libquantum	4	172	482	173	480	<b><u>172</u></b>	<b><u>481</u></b>							
464.h264ref	4	838	106	848	104	<b><u>847</u></b>	<b><u>104</u></b>							
471.omnetpp	4	458	54.5	470	53.2	<b><u>466</u></b>	<b><u>53.6</u></b>							
473.astar	4	584	48.1	<b><u>592</u></b>	<b><u>47.5</u></b>	596	47.1							
483.xalancbmk	4	367	75.2	375	73.6	<b><u>374</u></b>	<b><u>73.8</u></b>							

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-10-142-131-89 Mon May 13 05:41:45 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 : Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz
1 "physical id"s (chips)
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.)
cpu cores : 4
siblings : 4
physical 0: cores 0 1 2 3
cache size : 20480 KB
```

```
From /proc/meminfo
MemTotal: 14359396 kB
HugePages_Total: 0
```

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## Platform Notes (Continued)

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-10-142-131-89 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     11G  947G   2% /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

## Base Portability Flags

400.perlbench: -DSPEC\_CPU\_LINUX\_IA32  
462.libquantum: -DSPEC\_CPU\_LINUX  
483.xalancbmk: -DSPEC\_CPU\_LINUX

## Base Optimization Flags

C benchmarks:  
-xSSE4.2 -ipo -O3 -no-prec-div -opt-prefetch

C++ benchmarks:  
-xSSE4.2 -ipo -O3 -no-prec-div -opt-prefetch

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## Base Other Flags

C benchmarks:

403.gcc: -Dalloca=\_alloca

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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.  
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