

SPEC® CINT2006 Result

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aws
m3.xlarge

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 80.2

CPU2006 license: 4093

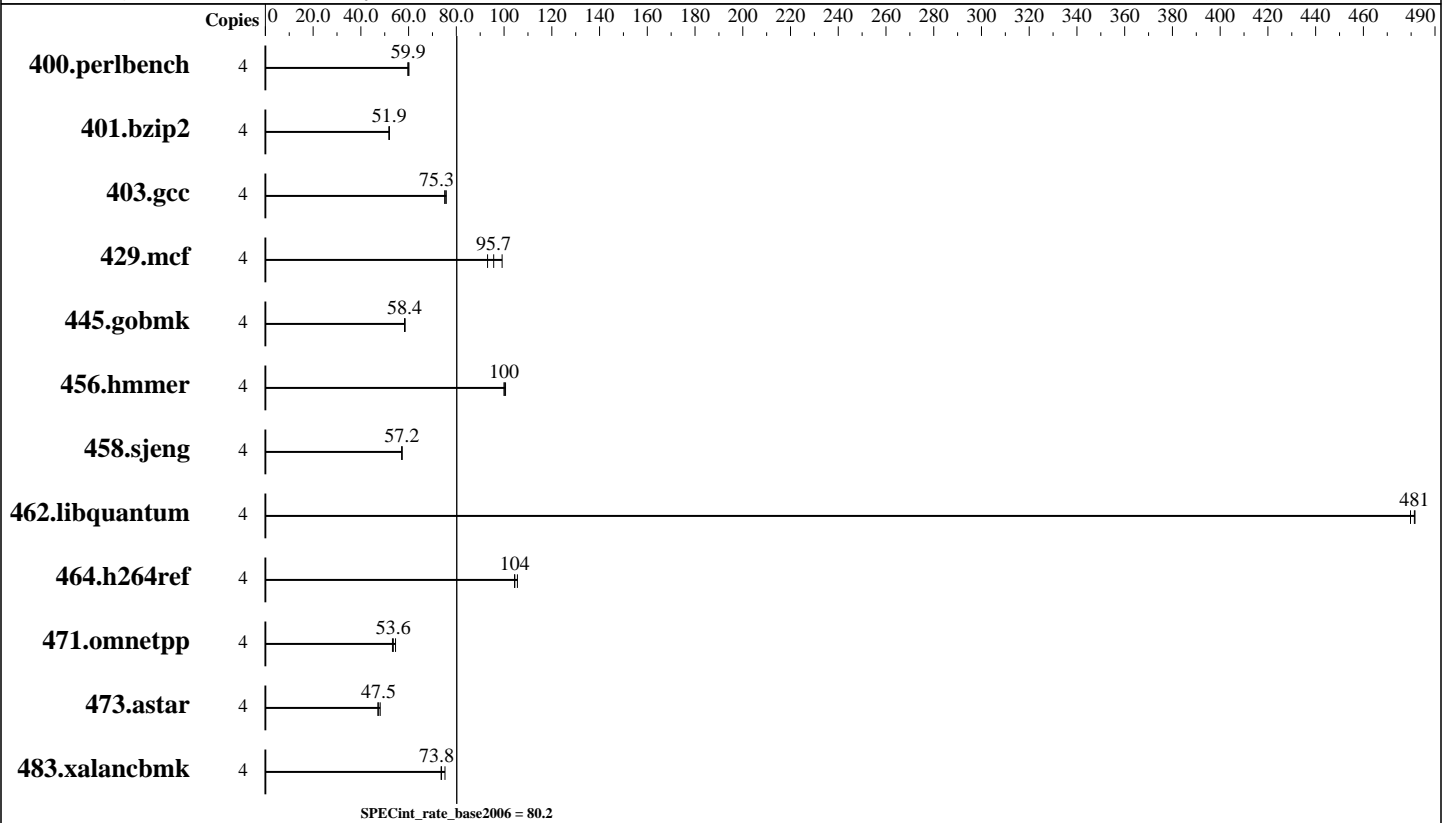
Test sponsor: aws

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

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.

Tested with SPEC CPU2006 v1.2.
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