

SPEC[®] CINT2006 Result

Copyright 2006-2013 Standard Performance Evaluation Corporation

aws
m3.2xlarge

SPECint[®]_rate2006 = Not Run

SPECint_rate_base2006 = 150

CPU2006 license: 4093

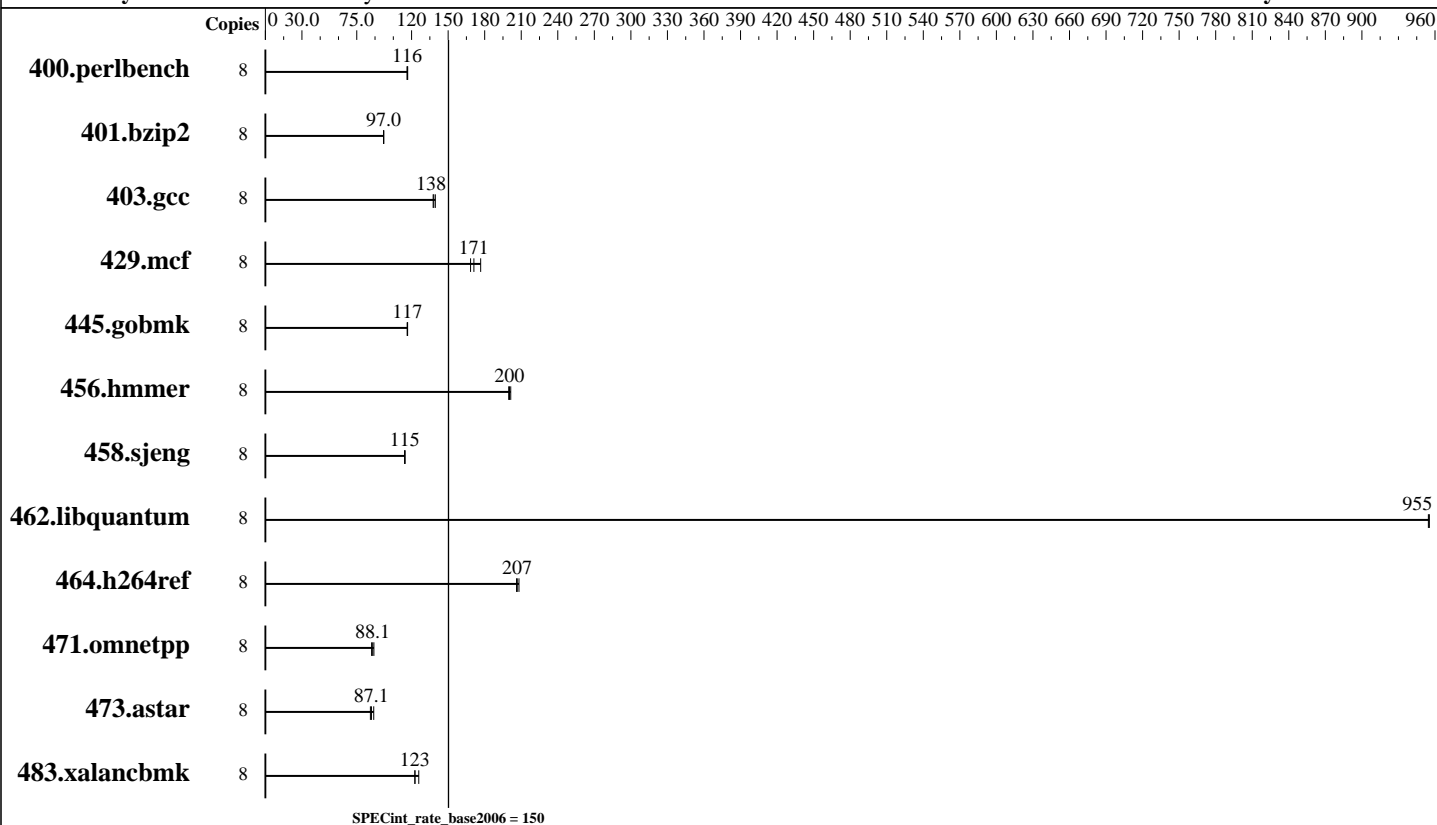
Test sponsor: aws

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: 2599.858
FPU: --
CPU(s) enabled: 8 cores, 1 chip, 1 core/chip
CPU(s) orderable: --
Primary Cache: --
Secondary Cache: 20480 KB
L3 Cache: --
Other Cache: --
Memory: 28.459 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	8	669	117	<u>671</u>	<u>116</u>	672	116							
401.bzip2	8	794	97.3	796	97.0	<u>796</u>	<u>97.0</u>							
403.gcc	8	462	139	468	138	<u>466</u>	<u>138</u>							
429.mcf	8	413	177	<u>426</u>	<u>171</u>	433	168							
445.gobmk	8	<u>720</u>	<u>117</u>	721	116	719	117							
456.hammer	8	371	201	374	200	<u>373</u>	<u>200</u>							
458.sjeng	8	845	115	847	114	<u>845</u>	<u>115</u>							
462.libquantum	8	174	955	<u>174</u>	<u>955</u>	174	955							
464.h264ref	8	<u>856</u>	<u>207</u>	851	208	859	206							
471.omnetpp	8	561	89.1	<u>568</u>	<u>88.1</u>	574	87.2							
473.astar	8	631	88.9	652	86.2	<u>645</u>	<u>87.1</u>							
483.xalancbmk	8	438	126	450	123	<u>450</u>	<u>123</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-10-159-31-207 Mon May 13 05:41:46 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)
8 "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 : 8
siblings : 8
physical 0: cores 0 1 2 3 4 5 6 7
cache size : 20480 KB
```

```
From /proc/meminfo
MemTotal: 29841780 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-10-159-31-207 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 05:40

SPEC is set to: /opt/cpu2006

Filesystem	Type	Size	Used	Avail	Use%	Mounted on
/dev/xvddh	ext4	1008G	15G	943G	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.

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