SPEC® CINT2006 Result

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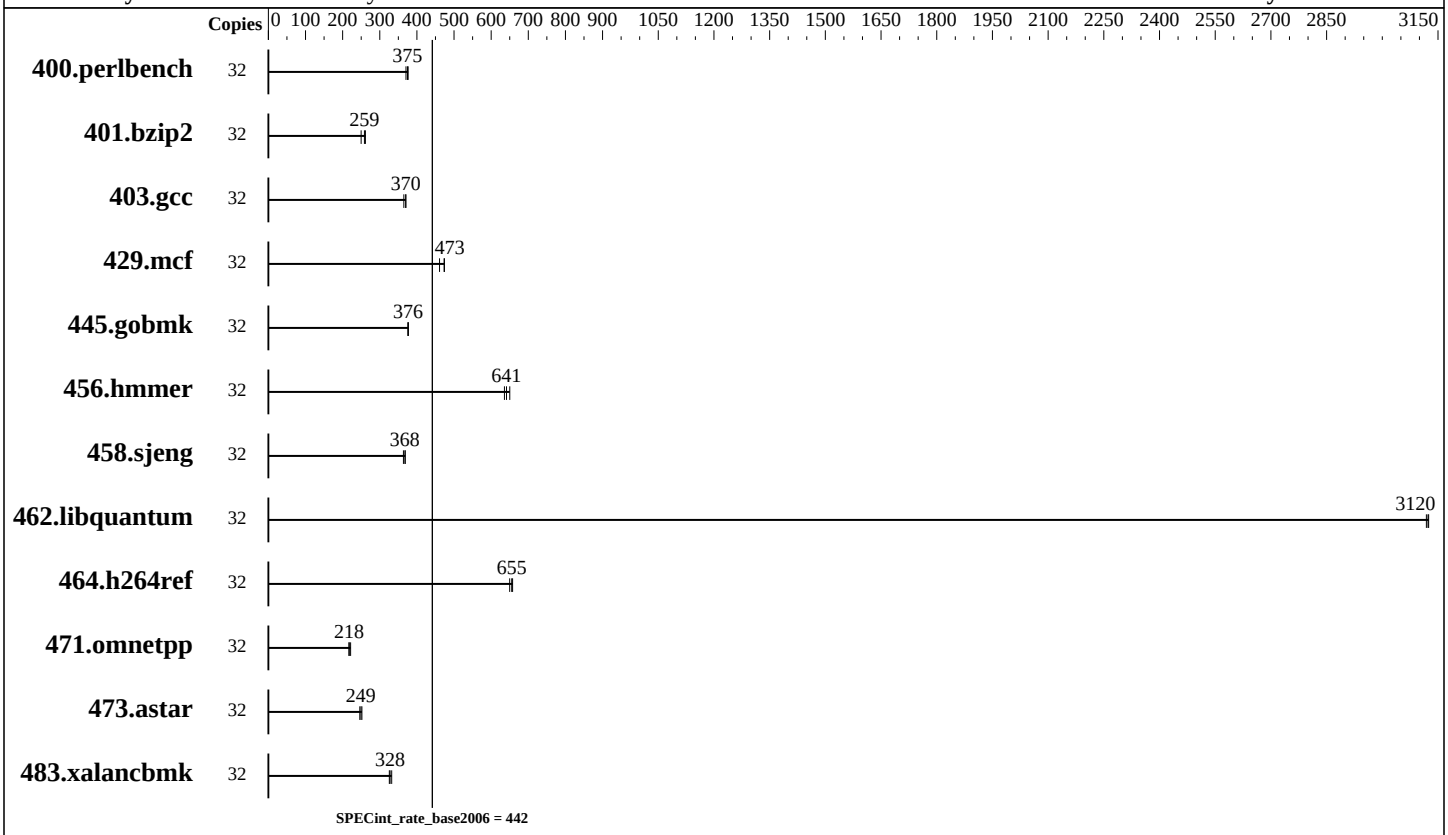
aws
cc2.8xlarge

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 442

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:	2593.489
FPU:	--
CPU(s) enabled:	32 cores, 2 chips, 1 core/chip
CPU(s) orderable:	--
Primary Cache:	--
Secondary Cache:	20480 KB
L3 Cache:	--
Other Cache:	--
Memory:	58.525 GB fixme: If using DDR3, format is: 'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem:	3.3 TB 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	32	831	376	**834**	**375**	844	371							
401.bzip2	32	1182	261	1236	250	**1194**	**259**							
403.gcc	32	696	370	706	365	**697**	**370**							
429.mcf	32	633	461	615	474	**617**	**473**							
445.gobmk	32	892	376	**892**	**376**	891	377							
456.hmmer	32	459	650	**466**	**641**	470	636							
458.sjeng	32	1065	364	1050	369	**1053**	**368**							
462.libquantum	32	**212**	**3120**	213	3120	212	3120							
464.h264ref	32	1077	658	1090	650	**1081**	**655**							
471.omnetpp	32	903	221	**918**	**218**	922	217							
473.astar	32	892	252	912	246	**901**	**249**							
483.xalancbmk	32	665	332	678	326	**674**	**328**							

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-10-155-196-58 Mon May 13 05:43:48 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
      2 "physical id"s (chips)
      32 "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  : 16
      physical 0: cores 0 1 2 3 4 5 6 7
      physical 1: cores 0 1 2 3 4 5 6 7
   cache size : 20480 KB

From /proc/meminfo
   MemTotal:       61367984 kB
```

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Platform Notes (Continued)

```
   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-10-155-196-58 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 05:42

SPEC is set to: /opt/cpu2006
   Filesystem    Type    Size  Used Avail Use% Mounted on
   /dev/md127    ext4    3.3T   37G  3.1T   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`

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CPU2006 license:	4093	**Test date:**	May-2013
Test sponsor:	aws	**Hardware Availability:**	--
Tested by:	CloudHarmony Inc	**Software Availability:**	--

Base Optimization Flags (Continued)

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

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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