SPEC® CPU2017 Integer Rate Result

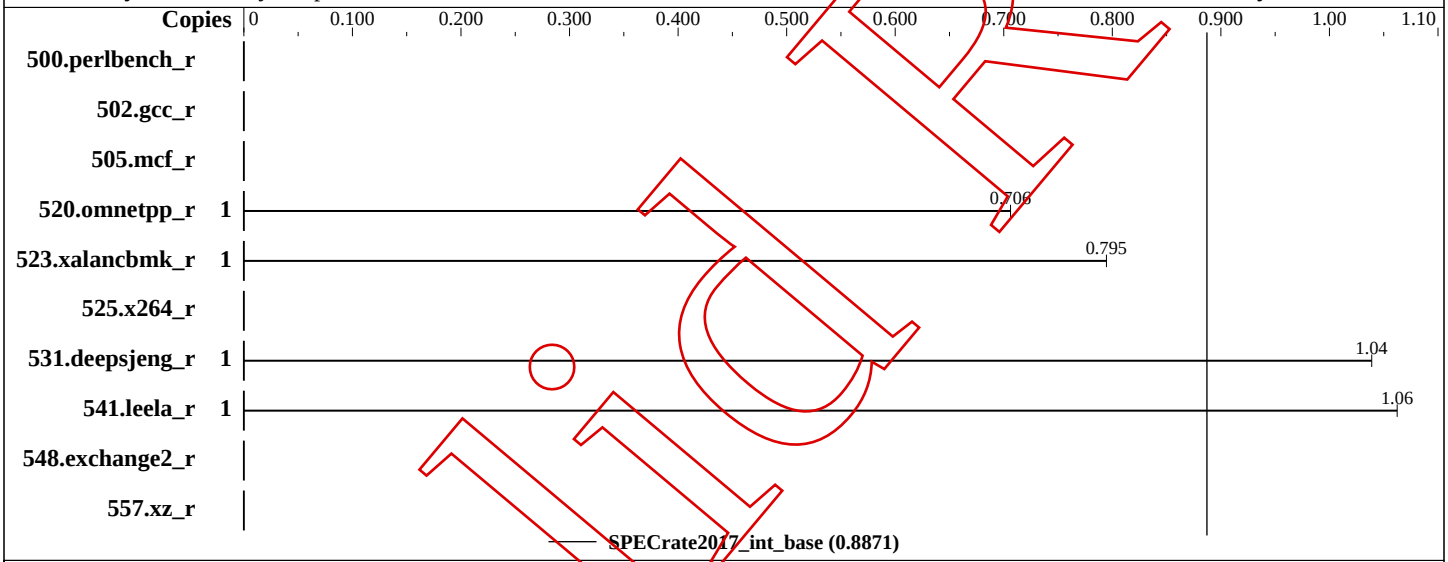
My Corporation

SPECrate2017_int_base = 0.8871

SPECrate2017_int_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)
Test Sponsor: My Corporation
Tested by: My Corporation

Test Date: Dec-2017
Hardware Availability:
Software Availability:



Hardware

CPU Name: Intel Core (Broadwell)
Max MHz.:
Nominal:
Enabled: cores, 2 chips, threads/core
Orderable:
Cache L1:
L2:
L3:
Other:
Memory: 3.368 GB fixme: If using DDR3, format is: 'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Storage: 30 GB add more disk info here
Other:

Software

OS: Scientific Linux CERN SLC release 6.9 (Carbon) 3.10.0-514.10.2.el7.x86_64
Compiler: C/C++/Fortran: Version 6.2.0 of GCC, the GNU Compiler Collection
Parallel: No
Firmware:
File System: ext4
System State: Run level N (add definition here)
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other:

Errors

'reportable' flag not set during run
541.leela_r (base) did not have enough runs!
502.gcc_r (base) did not have enough runs!
525.x264_r (base) did not have enough runs!
548.exchange2_r (base) did not have enough runs!
505.mcf_r (base) did not have enough runs!
531.deepsjeng_r (base) did not have enough runs!
557.xz_r (base) did not have enough runs!
520.omnetpp_r (base) did not have enough runs!
523.xalancbmk_r (base) did not have enough runs!
500.perlbench_r (base) did not have enough runs!

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Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
500.perlbench_r														
502.gcc_r														
505.mcf_r														
520.omnetpp_r	1	**1858**	**0.706**											
523.xalancbmk_r	1	**1329**	**0.795**											
525.x264_r														
531.deepsjeng_r	1	**1103**	**1.04**											
541.leela_r	1	**1559**	**1.06**											
548.exchange2_r														
557.xz_r														

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Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

```
Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH = "/usr/lib64/:/usr/lib/:/lib64"
```

Platform Notes

```
 Sysinfo program /spec2017/bin/sysinfo
 Rev: r5797 of 2017-06-14 96c45e4568ad54c135fd618bcc091c0f
 running on 4bdabd3c3191 Wed Dec 20 17:15:47 2017

 SUT (System Under Test) info as seen by some common utilities.
 For more information on this section, see
    https://www.spec.org/cpu2017/Docs/config.html#sysinfo

 From /proc/cpuinfo
    model name : Intel Core Processor (Broadwell)
       2  "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  : 1
       physical 0: cores 0
       physical 1: cores 0

 From lscpu:
      Architecture:          x86_64
```

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Platform Notes (Continued)

```
      CPU op-mode(s):          32-bit, 64-bit
      Byte Order:              Little Endian
      CPU(s):                  2
      On-line CPU(s) list:     0,1
      Thread(s) per core:      1
      Core(s) per socket:      1
      Socket(s):               2
      NUMA node(s):            1
      Vendor ID:               GenuineIntel
      CPU family:              6
      Model:                   61
      Model name:              Intel Core Processor (Broadwell)
      Stepping:                2
      CPU MHz:                 2194.916
      BogoMIPS:                4389.83
      Virtualization:          VT-x
      Hypervisor vendor:       KVM
      Virtualization type:     full
      L1d cache:               32K
      L1i cache:               32K
      L2 cache:                4096K
      NUMA node0 CPU(s):       0,1

  /proc/cpuinfo cache data
     cache size : 4096 KB

  From numactl --hardware  WARNING: a numactl 'node' might or might not correspond to a
  physical chip.

  From /proc/meminfo
     MemTotal:       3531712 kB
     HugePages_Total:       0
     Hugepagesize:       2048 kB

  /usr/bin/lsb_release -d
     Scientific Linux CERN SLC release 6.9 (Carbon)

  From /etc/*release* /etc/*version*
     redhat-release: Scientific Linux CERN SLC release 6.9 (Carbon)
     system-release: Scientific Linux CERN SLC release 6.9 (Carbon)
     system-release-cpe: cpe:/o:redhat:enterprise_linux:6.9:ga

  uname -a:
     Linux 4bdabd3c3191 3.10.0-514.10.2.el7.x86_64 #1 SMP Fri Mar 3 00:04:05 UTC 2017
     x86_64 x86_64 x86_64 GNU/Linux
```

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Platform Notes (Continued)

```
 SPEC is set to: /spec2017
    Filesystem     Type  Size  Used Avail Use% Mounted on
    /dev/vdb       ext4   30G   29G     0 100% /spec2017

 (End of data from sysinfo program)
```

Compiler Version Notes

```
==============================================================================
 CXXC 520.omnetpp_r(base) 523.xalancbmk_r(base) 531.deepsjeng_r(base)
      541.leela_r(base)
------------------------------------------------------------------------------
Using built-in specs.
Target: x86_64-redhat-linux
Configured with: ../configure --prefix=/usr --mandir=/usr/share/man
  --infodir=/usr/share/info --with-bugurl=http://bugzilla.redhat.com/bugzilla
  --enable-bootstrap --enable-shared --enable-threads=posix
  --enable-checking=release --with-system-zlib --enable-__cxa_atexit
  --disable-libunwind-exceptions --enable-gnu-unique-object
  --enable-languages=c,c++,objc,obj-c++,java,fortran,ada
  --enable-java-awt=gtk --disable-dssi
  --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre
  --enable-libgcj-multifile --enable-java-maintainer-mode
  --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --disable-libjava-multilib
  --with-ppl --with-cloog --with-tune=generic --with-arch_32=i686
  --build=x86_64-redhat-linux
Thread model: posix
gcc version 4.4.7 20120313 (Red Hat 4.4.7-18) (GCC)
------------------------------------------------------------------------------
```

Base Compiler Invocation

C++ benchmarks:
g++

Base Portability Flags

520.omnetpp_r: -DSPEC_LP64
523.xalancbmk_r: -DSPEC_LINUX -DSPEC_LP64
531.deepsjeng_r: -DSPEC_LP64
541.leela_r: -DSPEC_LP64

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Base Optimization Flags

C++ benchmarks:
`-m64 -g -O3`

For questions about this result, please contact the tester. For other inquiries, please contact info@spec.org.

Tested with SPEC CPU2017 v1.0.2 on 2017-12-20 17:15:42+0100.
Report generated on 2017-12-20 18:53:53 by CPU2017 PDF formatter v5748.