SPEC® CPU2017 Integer Speed Result

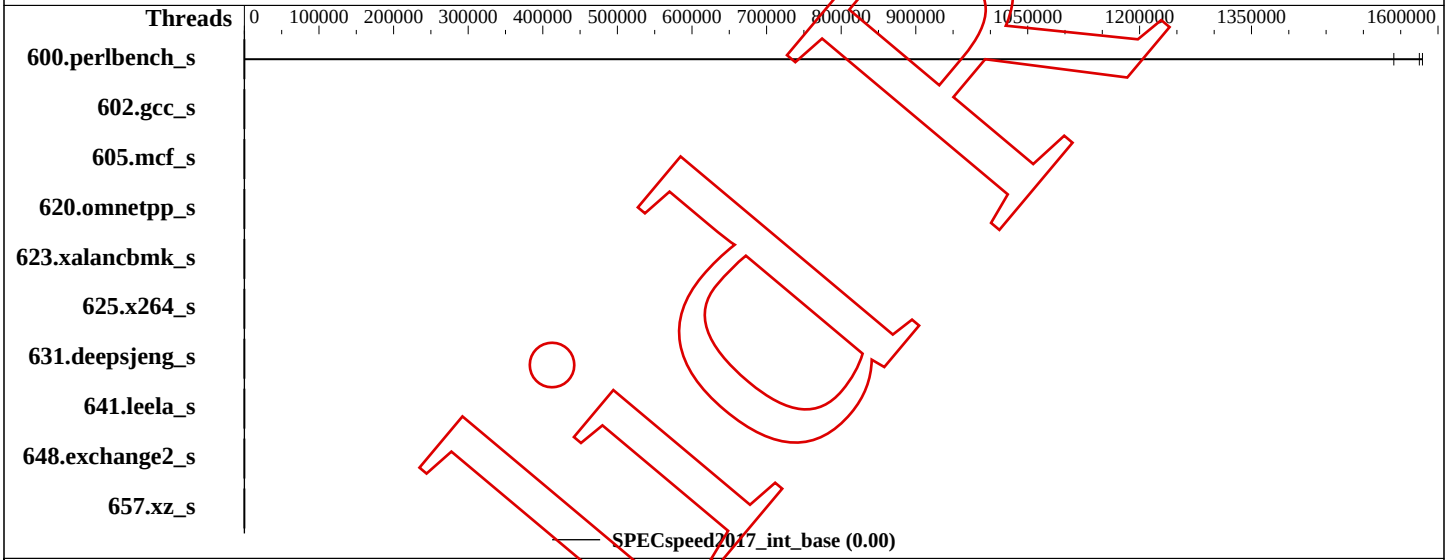
My Corporation

SPECspeed2017_int_base = 0.00

SPECspeed2017_int_peak = Not Run

CPU2017 License: 13
Test Sponsor: My Corporation
Tested by: My Corporation

Test Date: Apr-2020
Hardware Availability:
Software Availability:



Hardware

CPU Name: Genuine Intel 0000
Max MHz.:
Nominal:
Enabled: cores, 1 chip, threads/core
Orderable:
Cache L1:
L2:
L3:
Other:
Memory: 15.431 GB fixme: If using DDR3, format is: 'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Storage: 391 GB add more disk info here
Other:

Software

OS: Fedora release 31 (Thirty One)
5.5.0-cet+
Compiler: C/C++: Version 17.0.1.132 of Intel C/C++ Compiler for Linux;
Fortran: Version 17.0.1.132 of Intel Fortran Compiler for Linux
Parallel: Yes
Firmware: --
File System: ext4
System State: Run level 3 (add definition here)
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other: --

Errors

'reportable' flag not set during run
625.x264_s (base) did not have enough runs!
620.omnetpp_s (base) did not have enough runs!
602.gcc_s (base) did not have enough runs!
623.xalancbmk_s (base) did not have enough runs!
631.deepsjeng_s (base) did not have enough runs!
605.mcf_s (base) did not have enough runs!
641.leela_s (base) did not have enough runs!
657.xz_s (base) did not have enough runs!
648.exchange2_s (base) did not have enough runs!
600.perlbench_s (base) had invalid runs!

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Errors (Continued)

Run of 600.perlbench_s (base) was not valid; status is RE
Unknown flags were used! See
https://www.spec.org/cpu2017/Docs/runcpu.html#flagsurl
for information about how to get rid of this error.

Results Table

Benchmark	Base							Peak						
	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
600.perlbench_s	4	0.00115	0.00	0.00113	0.00	0.00112	0.00							
602.gcc_s														
605.mcf_s														
620.omnetpp_s														
623.xalancbmk_s														
625.x264_s														
631.deepsjeng_s														
641.leela_s														
648.exchange2_s														
657.xz_s														

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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 = "/opt/intel/compilers_and_libraries_2017/linux/lib/intel64"
OMP_STACKSIZE = "192M"
```

Platform Notes

```
Sysinfo program /home/rlsahita/spec2017/bin/sysinfo
Rev: r5797 of 2017-06-14 96c45e4568ad54c135fd618bcc091c0f
running on tigerlake1-ravi Thu Apr 16 20:02:42 2020

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 : Genuine Intel(R) CPU 0000 @ 2.30GHz
      1  "physical id"s (chips)
```

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Platform Notes (Continued)

```
      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 : 4
      siblings  : 8
      physical 0: cores 0 1 2 3

From lscpu:
     Architecture:                    x86_64
     CPU op-mode(s):                  32-bit, 64-bit
     Byte Order:                      Little Endian
     Address sizes:                   39 bits physical, 48 bits virtual
     CPU(s):                          8
     On-line CPU(s) list:             0-7
     Thread(s) per core:              2
     Core(s) per socket:              4
     Socket(s):                       1
     NUMA node(s):                    1
     Vendor ID:                       GenuineIntel
     CPU family:                      6
     Model:                           140
     Model name:                      Genuine Intel(R) CPU 0000 @ 2.30GHz
     Stepping:                        0
     CPU MHz:                         2173.378
     CPU max MHz:                     4200.0000
     CPU min MHz:                     400.0000
     BogoMIPS:                        4608.00
     Virtualization:                  VT-x
     L1d cache:                       192 KiB
     L1i cache:                       128 KiB
     L2 cache:                        5 MiB
     L3 cache:                        12 MiB
     NUMA node0 CPU(s):               0-7
     Vulnerability Itlb multihit:     KVM: Mitigation: Split huge pages
     Vulnerability L1tf:              Not affected
     Vulnerability Mds:               Vulnerable: Clear CPU buffers attempted, no
     microcode; SMT vulnerable
     Vulnerability Meltdown:          Not affected
     Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via
     prctl and seccomp
     Vulnerability Spectre v1:        Mitigation; usercopy/swapgs barriers and __user
     pointer sanitization
     Vulnerability Spectre v2:        Mitigation; Enhanced IBRS, IBPB conditional, RSB
     filling
     Vulnerability Tsx async abort:   Not affected
     Flags:                           fpu vme de pse tsc msr pae mce cx8 apic sep mtrr
     pge mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx
```

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Platform Notes (Continued)

```
      pdpe1gb rdtscp lm constant_tsc art arch_perfmon pebs bts rep_good nopl xtopology
      nonstop_tsc cpuid aperfmperf tsc_known_freq pni pclmulqdq dtes64 monitor ds_cpl vmx
      smx est tm2 ssse3 sdbg fma cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt
      tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault
      epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority
      ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid avx512f
      avx512dq rdseed adx smap avx512ifma clflushopt clwb intel_pt avx512cd sha_ni
      avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves dtherm ida arat pln pts hwp
      hwp_notify hwp_act_window hwp_epp hwp_pkg_req avx512vbmi umip pku ospke avx512_vbmi2
      shstk gfni vaes vpclmulqdq avx512_vnni avx512_bitalg tme avx512_vpopcntdq rdpid
      movdiri movdir64b avx512_vp2intersect ibt flush_l1d arch_capabilities

/proc/cpuinfo cache data
   cache size : 12288 KB

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

From /proc/meminfo
   MemTotal:       16180852 kB
   HugePages_Total:       0
   Hugepagesize:       2048 kB

From /etc/*release* /etc/*version*
   fedora-release: Fedora release 31 (Thirty One)
   os-release:
      NAME=Fedora
      VERSION="31 (Workstation Edition)"
      ID=fedora
      VERSION_ID=31
      VERSION_CODENAME=""
      PLATFORM_ID="platform:f31"
      PRETTY_NAME="Fedora 31 (Workstation Edition)"
      ANSI_COLOR="0;34"
   redhat-release: Fedora release 31 (Thirty One)
   system-release: Fedora release 31 (Thirty One)
   system-release-cpe: cpe:/o:fedoraproject:fedora:31

uname -a:
   Linux tigerlake1-ravi 5.5.0-cet+ #2 SMP Tue Feb 4 10:34:12 PST 2020 x86_64 x86_64
   x86_64 GNU/Linux

run-level 3 Mar 10 17:08

SPEC is set to: /home/rlsahita/spec2017
   Filesystem                              Type  Size  Used Avail Use% Mounted on
   /dev/mapper/fedora_localhost--live-home ext4  391G   59G  313G  16% /home
```

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Platform Notes (Continued)

```
 Additional information from dmidecode follows.  WARNING: Use caution when you interpret
 this section. The 'dmidecode' program reads system data which is "intended to allow
 hardware to be accurately determined", but the intent may not be met, as there are
 frequent changes to hardware, firmware, and the "DMTF SMBIOS" standard.

 (End of data from sysinfo program)
```

Compiler Version Notes

```
==============================================================================
 CC  600.perlbench_s(base)
------------------------------------------------------------------------------
icc (ICC) 19.1.1.219 20200306
Copyright (C) 1985-2020 Intel Corporation.  All rights reserved.
------------------------------------------------------------------------------
```

Base Unknown Flags

600.perlbench_s: "-fcf-protection=fullARRAY(0x88abe18)
"-fcf-protection=fullARRAY(0x88ce418)

Base Runtime Environment

C benchmarks:

600.perlbench_s: No flags used

Base Compiler Invocation

C benchmarks:

600.perlbench_s: icc -m64 -std=c11

Base Portability Flags

600.perlbench_s: -DSPEC_LP64 -DSPEC_LINUX_X64

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Base Optimization Flags

C benchmarks:

600.perlbench_s: `-xHOST -ipo -O3 -no-prec-div -auto-p32 -qopt-prefetch -qopenmp -DSPEC_OPENMP`

Base Other Flags

C benchmarks:

600.perlbench_s: `No flags used`

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 2020-04-16 20:02:42-0700.
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