SPEC® CPU2017 Integer Rate Result

My Corporation

SPECrate2017_int_base = 0.00

SPECrate2017_int_peak = Not Run

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

Test Date: Apr-2019
Hardware Availability:
Software Availability:

Copies	
500.perlbench_r	
502.gcc_r	
505.mcf_r	
520.omnetpp_r	
523.xalancbmk_r	
525.x264_r	
531.deepsjeng_r	
541.leela_r	
548.exchange2_r	
557.xz_r	

Hardware

CPU Name: Intel Core i5-7500
Max MHz.:
Nominal:
Enabled: cores, 1 chip, threads/core
Orderable:
Cache L1:
L2:
L3:
Other:
Memory: 7.677 GB fixme: If using DDR4, the format is: 'N GB (N x N GB nRxn PC4-nnnnX-X)'
Storage: 135 GB add more disk info here
Other:

Software

OS: Ubuntu 18.04 LTS 4.15.0-20-generic
Compiler: C/C++/Fortran: Version 7.2.1 of GCC, the GNU Compiler Collection
Parallel: No
Firmware:
File System: ext4
System State: Run level 5 (add definition here)
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other:

Errors

There is no set of valid runs with the same number of copies for base
'reportable' flag not set during run
505.mcf_r (base) did not have enough runs!
500.perlbench_r (base) did not have enough runs!
502.gcc_r (base) did not have enough runs!
541.leela_r (base) did not have enough runs!
523.xalancbmk_r (base) did not have enough runs!
525.x264_r (base) did not have enough runs!
557.xz_r (base) did not have enough runs!
531.deepsjeng_r (base) did not have enough runs!
548.exchange2_r (base) did not have enough runs!

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Errors (Continued)

520.omnetpp_r (base) did not have enough runs!
Input set must be 'refrate' for a valid run (set to 'test' for this run)
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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
500.perlbench_r	1	35.5	0.00											
502.gcc_r	1	0.0173	0.00											
505.mcf_r	1	13.5	0.00											
520.omnetpp_r														
523.xalancbmk_r														
525.x264_r	1	46.1	0.00											
531.deepsjeng_r														
541.leela_r														
548.exchange2_r														
557.xz_r	1	8.92	0.00											

SPECrate2017_int_base = 0.00

SPECrate2017_int_peak = Not Run

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/bin/gcc"
```

Platform Notes

```
Sysinfo program /home/john/Desktop/SPEC/bin/sysinfo
Rev: r5974 of 2018-05-19 9bcde8f2999c33d61f64985e45859ea9
running on iiitd-OptiPlex-3050 Mon Apr  8 22:46:18 2019

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(R) Core(TM) i5-7500 CPU @ 3.40GHz
```

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Platform Notes (Continued)

```
      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

From lscpu:
     Architecture:        x86_64
     CPU op-mode(s):      32-bit, 64-bit
     Byte Order:          Little Endian
     CPU(s):              4
     On-line CPU(s) list: 0-3
     Thread(s) per core:  1
     Core(s) per socket:  4
     Socket(s):           1
     NUMA node(s):        1
     Vendor ID:           GenuineIntel
     CPU family:          6
     Model:               158
     Model name:          Intel(R) Core(TM) i5-7500 CPU @ 3.40GHz
     Stepping:            9
     CPU MHz:             3695.969
     CPU max MHz:         3800.0000
     CPU min MHz:         800.0000
     BogoMIPS:            6816.00
     Virtualization:      VT-x
     L1d cache:           32K
     L1i cache:           32K
     L2 cache:            256K
     L3 cache:            6144K
     NUMA node0 CPU(s):   0-3
     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 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
     pti tpr_shadow vnmi flexpriority ept vpid fsgsbase tsc_adjust bmi1 hle avx2 smep
     bmi2 erms invpcid rtm mpx rdseed adx smap clflushopt intel_pt xsaveopt xsavec
     xgetbv1 xsaves ibpb ibrs stibp dtherm ida arat pln pts hwp hwp_notify hwp_act_window
     hwp_epp

/proc/cpuinfo cache data
   cache size : 6144 KB
```

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Platform Notes (Continued)

```
From numactl --hardware  WARNING: a numactl 'node' might or might not correspond to a
physical chip.
  available: 1 nodes (0)
  node 0 cpus: 0 1 2 3
  node 0 size: 7861 MB
  node 0 free: 1397 MB
  node distances:
  node   0
    0:  10

From /proc/meminfo
   MemTotal:        8049868 kB
   HugePages_Total:       0
   Hugepagesize:       2048 kB

/usr/bin/lsb_release -d
   Ubuntu 18.04 LTS

From /etc/*release* /etc/*version*
   debian_version: buster/sid
   os-release:
      NAME="Ubuntu"
      VERSION="18.04 LTS (Bionic Beaver)"
      ID=ubuntu
      ID_LIKE=debian
      PRETTY_NAME="Ubuntu 18.04 LTS"
      VERSION_ID="18.04"
      HOME_URL="https://www.ubuntu.com/"
      SUPPORT_URL="https://help.ubuntu.com/"

uname -a:
   Linux iiitd-OptiPlex-3050 4.15.0-20-generic #21-Ubuntu SMP Tue Apr 24 06:16:15 UTC
   2018 x86_64 x86_64 x86_64 GNU/Linux

Kernel self-reported vulnerability status:

CVE-2017-5754 (Meltdown):          Mitigation: PTI
CVE-2017-5753 (Spectre variant 1): Mitigation: __user pointer sanitization
CVE-2017-5715 (Spectre variant 2): Mitigation: Full generic retpoline, IBPB, IBRS_FW

run-level 5 Apr 8 21:26

SPEC is set to: /home/john/Desktop/SPEC
   Filesystem     Type  Size  Used Avail Use% Mounted on
   /dev/sda6      ext4  135G   19G  110G  15% /

Additional information from dmidecode follows.  WARNING: Use caution when you interpret
```

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Platform Notes (Continued)

```
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  500.perlbench_r(base) 502.gcc_r(base) 505.mcf_r(base) 525.x264_r(base)
     557.xz_r(base)
------------------------------------------------------------------------------
Using built-in specs.
COLLECT_GCC=/usr/bin/gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-linux-gnu/7/lto-wrapper
OFFLOAD_TARGET_NAMES=nvptx-none
OFFLOAD_TARGET_DEFAULT=1
Target: x86_64-linux-gnu
Configured with: ../src/configure -v --with-pkgversion='Ubuntu
  7.3.0-27ubuntu1~18.04'
  --with-bugurl=file:///usr/share/doc/gcc-7/README.Bugs
  --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --prefix=/usr
  --with-gcc-major-version-only --program-suffix=-7
  --program-prefix=x86_64-linux-gnu- --enable-shared --enable-linker-build-id
  --libexecdir=/usr/lib --without-included-gettext --enable-threads=posix
  --libdir=/usr/lib --enable-nls --with-sysroot=/ --enable-clocale=gnu
  --enable-libstdcxx-debug --enable-libstdcxx-time=yes
  --with-default-libstdcxx-abi=new --enable-gnu-unique-object
  --disable-vtable-verify --enable-libmpx --enable-plugin
  --enable-default-pie --with-system-zlib --with-target-system-zlib
  --enable-objc-gc=auto --enable-multiarch --disable-werror
  --with-arch-32=i686 --with-abi=m64 --with-multilib-list=m32,m64,mx32
  --enable-multilib --with-tune=generic --enable-offload-targets=nvptx-none
  --without-cuda-driver --enable-checking=release --build=x86_64-linux-gnu
  --host=x86_64-linux-gnu --target=x86_64-linux-gnu
Thread model: posix
gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
------------------------------------------------------------------------------
```

Base Unknown Flags

500.perlbench_r: "-pg -no-pieARRAY(0x9581c48)

502.gcc_r: "-pg -no-pieARRAY(0x95744f0)

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Base Unknown Flags (Continued)

505.mcf_r: "-pg -no-pieARRAY(0x959cc20)

525.x264_r: "-pg -no-pieARRAY(0x95744a8)

557.xz_r: "-pg -no-pieARRAY(0x9575688)

Base Compiler Invocation

C benchmarks:
gcc

Base Portability Flags

500.perlbench_r: -DSPEC_LINUX_X64 -DSPEC_LP64
502.gcc_r: -DSPEC_LP64
505.mcf_r: -DSPEC_LP64
525.x264_r: -DSPEC_LP64
557.xz_r: -DSPEC_LP64

Base Optimization Flags

C benchmarks:
-m64 -std=c99 -g -O3 -march=native -fno-unsafe-math-optimizations
-fno-tree-loop-vectorize -fno-strict-aliasing -fgnu89-inline

Base Other Flags

C benchmarks:
-Wall

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

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