

SPEC® CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

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++: Version 3.9.0 of Clang, the

LLVM Compiler Infrastructure

Fortran: Version 4.8.2 of GCC, the

GNU Compiler Collection

DragonEgg: Version 3.5.2, the

LLVM Compiler Infrastructure

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

520.omnetpp_r (base) did not have enough runs!

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!

500.perlbench_r (base) did not have enough runs!

557.xz_r (base) did not have enough runs!

548.exchange2_r (base) did not have enough runs!

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Errors (Continued)

523.xalancbmk_r (base) did not have enough runs!

531.deepsjeng_r (base) did not have enough runs!

505.mcf_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	35.1	0.00											
502.gcc_r	1	0.0167	0.00											
505.mcf_r	1	14.5	0.00											
520.omnetpp_r														
523.xalancbmk_r														
525.x264_r	1	33.8	0.00											
531.deepsjeng_r														
541.leela_r														
548.exchange2_r														
557.xz_r	1	8.94	0.00											

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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.

General Notes

Environment variables set by runcpu before the start of the run:

LD_LIBRARY_PATH = "/usr/lib/llvm-6.0/lib"

LIBRARY_PATH = "/usr/lib/llvm-6.0/lib"

PATH = "/usr/lib/llvm-6.0/bin:/home/john/Desktop/SPEC/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin"

Platform Notes

Sysinfo program /home/john/Desktop/SPEC/bin/sysinfo

Rev: r5974 of 2018-05-19 9bcde8f2999c33d61f64985e45859ea9

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Platform Notes (Continued)

running on iiitd-OptiPlex-3050 Mon Apr 8 22:41:48 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

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: 3749.186

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

aperfperf 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

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Platform Notes (Continued)

pti tpr_shadow vnmi flexpriority ept vpid fsgsbase tsc_adjust bml 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

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: 1438 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 iitd-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

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Platform Notes (Continued)

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 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)

clang version 6.0.0-ubuntu2 (tags/RELEASE_600/final)
Target: x86_64-pc-linux-gnu
Thread model: posix
InstalledDir: /usr/bin
Found candidate GCC installation: /usr/bin/../lib/gcc/x86_64-linux-gnu/7
Found candidate GCC installation: /usr/bin/../lib/gcc/x86_64-linux-gnu/7.3.0
Found candidate GCC installation: /usr/bin/../lib/gcc/x86_64-linux-gnu/8
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/7
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/7.3.0
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/8
(Selected GCC installation: /usr/bin/../lib/gcc/x86_64-linux-gnu/7.3.0
Candidate multilib: .;@m64
Selected multilib: .;@m64

Base Unknown Flags

500.perlbench_r: "-pgARRAY(0x82da9b8)"

502.gcc_r: "-pgARRAY(0x82ec598)"

505.mcf_r: "-pgARRAY(0x8304798)"

525.x264_r: "-pgARRAY(0x82e9098)"

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Base Unknown Flags (Continued)

557.xz_r: "-pgARRAY(0x830b890)"

Base Compiler Invocation

C benchmarks:
clang

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 -z muldefs -O3 -mavx

Base Other Flags

C benchmarks:
-Wall

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

Tested with SPEC CPU2017 v1.0.5 on 2019-04-08 22:41:48+0530.

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