SPEC® CPU2017 Integer Rate Result

My Corporation

SPECrate2017_int_base =   0.00

SPECrate2017_int_peak =   0.00

CPU2017 License: nnn (Your SPEC license number)	**Test Date:**	Apr-2019
Test Sponsor: My Corporation	**Hardware Availability:**	
Tested by: My Corporation	**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: 341 GB add more disk info here
Other:

Software

OS: Ubuntu 18.04.1 LTS
               4.15.0-46-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: 64-bit
Other:

Errors

Complete set of valid runs for peak rate unavailable (548.exchange2_r missing)
Complete set of valid runs for peak rate unavailable (500.perlbench_r missing)
Complete set of valid runs for peak rate unavailable (505.mcf_r missing)

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Errors (Continued)

Complete set of valid runs for peak rate unavailable (531.deepsjeng_r missing)
Complete set of valid runs for peak rate unavailable (541.leela_r missing)
Complete set of valid runs for peak rate unavailable (502.gcc_r missing)
Complete set of valid runs for peak rate unavailable (525.x264_r missing)
Complete set of valid runs for peak rate unavailable (557.xz_r missing)
Complete set of valid runs for peak rate unavailable (520.omnetpp_r missing)
Complete set of valid runs for peak rate unavailable (523.xalancbmk_r missing)
There is no set of valid runs with the same number of copies for base
'reportable' flag not set during run
548.exchange2_r (base) did not have enough runs!
500.perlbench_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!
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!
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!
557.xz_r (base) had invalid runs!
548.exchange2_r (peak) did not have enough runs!
500.perlbench_r (peak) did not have enough runs!
505.mcf_r (peak) did not have enough runs!
531.deepsjeng_r (peak) did not have enough runs!
541.leela_r (peak) did not have enough runs!
502.gcc_r (peak) did not have enough runs!
525.x264_r (peak) did not have enough runs!
557.xz_r (peak) did not have enough runs!
520.omnetpp_r (peak) did not have enough runs!
523.xalancbmk_r (peak) did not have enough runs!
557.xz_r (peak) had invalid runs!
Input set must be 'refrate' for a valid run (set to 'test' for this run)
Run of 557.xz_r (base) was not valid; status is RE
Run of 557.xz_r (peak) was not valid; status is RE

Results Table

Benchmark	Base						Peak					
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
500.perlbench_r												
Table continues on next page. Results appear in the order in which they were run. Bold underlined text indicates a median measurement.												

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SPECrate2017_int_base =   0.00

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CPU2017 License: nnn (Your SPEC license number)	**Test Date:** Apr-2019
Test Sponsor: My Corporation	**Hardware Availability:**
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Results Table (Continued)

Benchmark	Base						Peak					
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
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	1	0.000733	0.00					1	0.000576	0.00		
SPECrate2017_int_base =		**0.00**										
SPECrate2017_int_peak =		**0.00**										

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/iiitd/Desktop/hw11/bin:/home/iiitd/.local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/usr/lib/jvm/java-8-oracle/bin:/usr/lib/jvm/java-8-oracle/db/bin:/usr/lib/jvm/java-8-oracle/jre/bin:/home/iiitd/Downloads/pintos/src/utils"

Platform Notes

```
 Sysinfo program /home/iiitd/Desktop/hw11/bin/sysinfo
 Rev: r5974 of 2018-05-19 9bcde8f2999c33d61f64985e45859ea9
 running on iiit-d Sat Apr  6 05:20:35 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
```

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Platform Notes (Continued)

```
     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:               3602.207
     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 ssbd ibrs ibpb stibp 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 dtherm ida arat pln pts hwp hwp_notify hwp_act_window
     hwp_epp flush_l1d

 /proc/cpuinfo cache data
    cache size : 6144 KB

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

 From /proc/meminfo
    MemTotal:        8049856 kB
    HugePages_Total:     128
```

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Platform Notes (Continued)

```
    Hugepagesize:          2048 kB

 /usr/bin/lsb_release -d
    Ubuntu 18.04.1 LTS

 From /etc/*release* /etc/*version*
    debian_version: buster/sid
    os-release:
        NAME="Ubuntu"
        VERSION="18.04.1 LTS (Bionic Beaver)"
        ID=ubuntu
        ID_LIKE=debian
        PRETTY_NAME="Ubuntu 18.04.1 LTS"
        VERSION_ID="18.04"
        HOME_URL="https://www.ubuntu.com/"
        SUPPORT_URL="https://help.ubuntu.com/"

 uname -a:
    Linux iiit-d 4.15.0-46-generic #49-Ubuntu SMP Wed Feb 6 09:33:07 UTC 2019 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 2019-04-05 19:29

 SPEC is set to: /home/iiitd/Desktop/hw11
    Filesystem      Type  Size  Used Avail Use% Mounted on
    /dev/sda4       ext4  341G  141G  183G  44% /

 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  557.xz_r(base, peak)
------------------------------------------------------------------------------
clang version 6.0.0-1ubuntu2 (tags/RELEASE_600/final)
```

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Compiler Version Notes (Continued)

```
Target: x86_64-pc-linux-gnu
Thread model: posix
InstalledDir: /usr/lib/llvm-6.0/bin
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
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/8.0.1
Selected GCC installation: /usr/lib/gcc/x86_64-linux-gnu/7.3.0
Candidate multilib: .;@m64
Selected multilib: .;@m64
----------------------------------------------------------------------
```

Runtime Environment

C benchmarks:

 557.xz_r: No flags used

Compiler Invocation

C benchmarks:

 557.xz_r: clang

Portability Flags

 557.xz_r: -DSPEC_LP64

Base Optimization Flags

C benchmarks:

 557.xz_r: -m64 -z muldefs -O3 -mavx

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Runtime Environment

C benchmarks:

557.xz_r: No flags used

Peak Optimization Flags

C benchmarks:

557.xz_r: -m64 -z muldefs -Ofast -mavx

Other Flags

C benchmarks:

557.xz_r: No flags used

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

Tested with SPEC CPU2017 v1.0.5 on 2019-04-06 05:20:34+0530.
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