# 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 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++/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
531.deepsjeng_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!
520.omnetpp_r (base) did not have enough runs!
505.mcf_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!
523.xalancbmk_r (base) did not have enough runs!

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## Errors (Continued)

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

Input set must be 'refrate' for a valid run (set to 'test' for this run)

## Results Table

| Benchmark | Base | | | | | | | Peak | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 500.perlbench_r | 1 | 26.3 | 0.00 | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | |

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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/bin/gcc"
```

## Platform Notes

```
Sysinfo program /home/iiitd/Desktop/hw11/bin/sysinfo
Rev: r5974 of 2018-05-19 9bcde8f2999c33d61f64985e45859ea9
running on iiit-d Sat Apr  6 04:42:22 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.)
```

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## Platform Notes (Continued)

```
       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:               3648.192
       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
```

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## Platform Notes (Continued)

```
    MemTotal:        8049856 kB
    HugePages_Total:     128
    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  139G  185G  43% /


 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)
```

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## Compiler Version Notes (Continued)

```
------------------------------------------------------------------
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 Runtime Environment

C benchmarks:

500.perlbench_r: No flags used

## Base Compiler Invocation

C benchmarks:

500.perlbench_r: gcc

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## Base Portability Flags

500.perlbench_r: -DSPEC_LINUX_X64 -DSPEC_LP64

## Base Optimization Flags

C benchmarks:

```
500.perlbench_r: -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:

500.perlbench_r: No flags used

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

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