

SPEC® CPU2017 Integer Rate Result

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My Corporation

SPECrate2017_int_base = 3.38

SPECrate2017_int_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

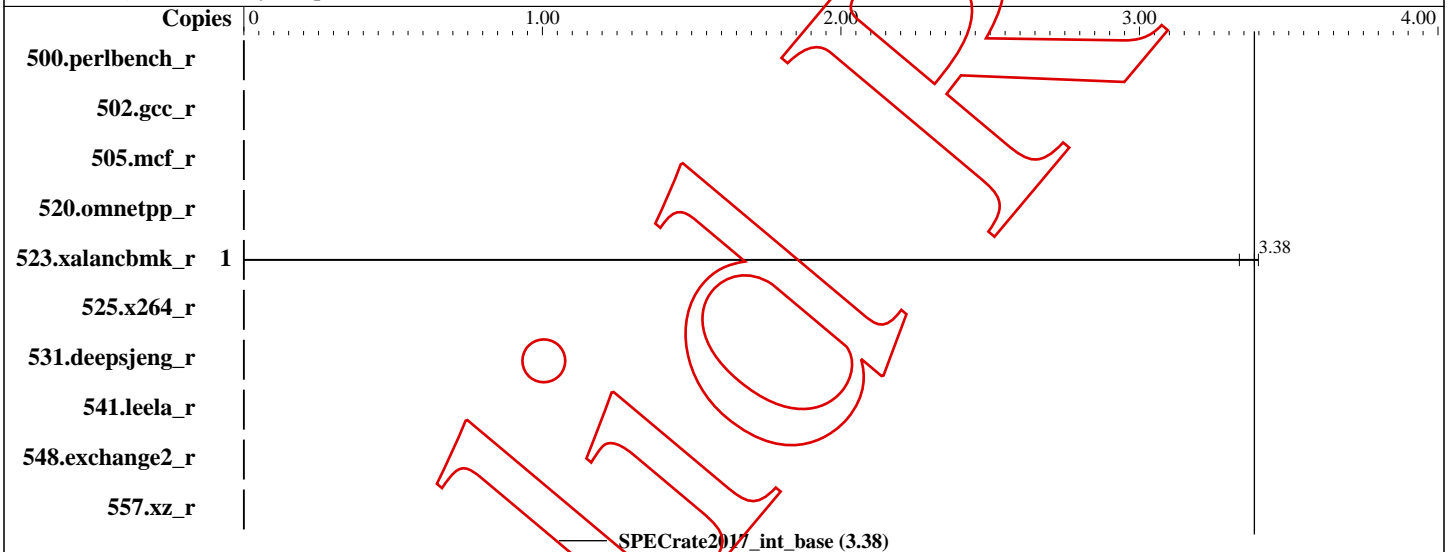
Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Nov-2017

Hardware Availability:

Software Availability:



Hardware

CPU Name: Intel Core i5-6600
Max MHz.:
Nominal:
Enabled: cores, 1 chip, threads/core
Orderable:
Cache L1:
L2:
L3:
Other:
Memory: 7.676 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Storage: 2.7 TB add more disk info here
Other:

Software

OS: Ubuntu 16.04.1 LTS
4.4.0-31-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

'reportable' flag not set during run
531.deepsjeng_r (base) did not have enough runs!
520.omnetpp_r (base) did not have enough runs!
557.xz_r (base) did not have enough runs!
541.leela_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!
505.mcf_r (base) did not have enough runs!
548.exchange2_r (base) did not have enough runs!

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502.gcc_r (base) did not have enough runs!

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
500.perlbench_r														
502.gcc_r														
505.mcf_r														
520.omnetpp_r														
523.xalancbmk_r	1	317	3.33	<u>312</u>	<u>3.38</u>	311	3.40							
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.

The config file option 'submit' was used.

```
Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH = "/mnt/freezedisk/llvm-intptr-br2-correct2-release/lib"
LIBRARY_PATH = "/mnt/freezedisk/llvm-intptr-br2-correct2-release/lib"
```

```
Sysinfo program /mnt/freezedisk/speccpu2017-intptr/bin/sysinfo
Rev: r5797 of 2017-06-14 96c45e4568ad54c135fd618bcc091c0f
running on ubuntu-freeze2 Fri Nov 3 16:28:23 2017
```

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>

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Platform Notes (Continued)

From /proc/cpuinfo

model name : Intel(R) Core(TM) i5-6600 CPU @ 3.30GHz

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: 94

Model name: Intel(R) Core(TM) i5-6600 CPU @ 3.30GHz

Stepping: 3

CPU MHz: 3300.000

CPU max MHz: 3900.0000

CPU min MHz: 800.0000

BogoMIPS: 6623.96

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

aperfperf eagerfpu 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 intel_pt tpr_shadow vnmi

flexpriority ept vpid fsgsbase tsc_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm

mpx rdseed adx smap clflushopt xsaveopt xsavec xgetbv1 dtherm 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: 7860 MB
node 0 free: 7463 MB
node distances:
node 0
0: 10
```

From /proc/meminfo

```
MemTotal:      8048764 kB
HugePages_Total: 0
Hugepagesize:   2048 kB
```

/usr/bin/lsb_release -d

```
Ubuntu 16.04.1 LTS
```

From /etc/*release* /etc/*version*

```
debian_version: stretch/sid
os-release:
NAME="Ubuntu"
VERSION="16.04.1 LTS (Xenial Xerus)"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 16.04.1 LTS"
VERSION_ID="16.04"
HOME_URL="http://www.ubuntu.com/"
SUPPORT_URL="http://help.ubuntu.com/"
```

uname -a:

```
Linux ubuntu-freeze2 4.4.0-31-generic #50-Ubuntu SMP Wed Jul 13 00:07:12 UTC 2016
x86_64 x86_64 x86_64 GNU/Linux
```

run-level 5 Oct 30 07:30

SPEC is set to: /mnt/freezedisk/speccpu2017-intptr

```
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/sdb1        ext4  2.7T  1.7T  907G  66% /mnt/freezedisk
```

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)

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Compiler Version Notes

=====

CXXC 523.xalancbmk_r(base)

clang version 6.0.0 (<https://github.com/aqjune/clang-intptr.git>
b099f9b86954800bcbdee427fc703eb8a30389da)
(<https://github.com/aqjune/llvm-intptr.git>
072bcfdd83ea02b321f72fca30d5a8384325de92)
Target: x86_64-unknown-linux-gnu
Thread model: posix
InstalledDir: /mnt/freezedisk/llvm-intptr-br2-correct2-release/bin
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/5
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/5.4.0
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/6
Found candidate GCC installation: /usr/lib/gcc/x86_64-linux-gnu/6.0.0
Selected GCC installation: /usr/lib/gcc/x86_64-linux-gnu/5.4.0
Candidate multilib: .;@m64
Selected multilib: .;@m64

Base Runtime Environment

C++ benchmarks:

523.xalancbmk_r: No flags used

Base Compiler Invocation

C++ benchmarks:

523.xalancbmk_r: clang++

Base Portability Flags

523.xalancbmk_r: -DSPEC_LINUX -DSPEC_LP64

Base Optimization Flags

C++ benchmarks:

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Hardware Availability:

Software Availability:

Base Optimization Flags (Continued)

523.xalancbmk_r: -m64 -O3 -mavx -z muldefs

Base Other Flags

C++ benchmarks:

523.xalancbmk_r: No flags used

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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 v1.0.2 on 2017-11-03 16:28:22+0900.

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