

Errors

'reportable' flag not set during run 657.xz_s (base) did not have enough runs! 602.gcc_s (base) did not have enough runs! 631.deepsjeng_s (base) did not have enough runs! 620.omnetpp_s (base) did not have enough runs! 648.exchange2_s (base) did not have enough runs! 600.perlbench_s (base) did not have enough runs! 641.leela_s (base) did not have enough runs! 625.x264_s (base) did not have enough runs! 605.mcf_s (base) did not have enough runs!

Unknown flags were used! See

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SPECspeed®2017_int_base =

SPECspeed®2017 int peak 7 Not Run

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Test Date: Oct-2021

.03

Hardware Availability: Software Availability:

Errors (Continued)

https://www.spec.org/cpu2017/Docs/runcpu.html#flagsurl for information about how to get rid of this error.

Results Table

	Base							_ /	Peak						
Benchmark	Threads	Seconds	Ratio	Seconds	Ratio	Sec	onds	Ratio	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
600.perlbench_s									\						
602.gcc_s				\bigcirc		\	, \) N						
605.mcf_s															
620.omnetpp_s															
623.xalancbmk_s	32	<u>698</u>	2.03	688	2.06			^							
625.x264_s								/							
631.deepsjeng_s)/								
641.leela_s				/			? <u> </u>								
648.exchange2_s															
657.xz_s					5										

SPECspeed*2017_int_base = 2.03 SPECspeed*2017_int_peak = Not Run

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.

Environment Variables Notes

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

"/u/home/hetzwer/toolchains/rv64g/lib64/:/u/home/hettwer/toolchains/rv64g/lib/:/hib64"

Platform Notes

Sysinfo program /u/home/hettwer/cpu2017/bin/sysinfo Rev: r6365 of 2019-08-21 295195f888a3d7edb1e6e46a485a0011 running on time-x Thu Oct 14 18:05:10 2021

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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SPECspeed®2017_int_peak 7 Not Run

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Software Availability:

Platform Notes (Continued)

```
From /proc/cpuinfo
   model name: AMD Ryzen Threadripper PRO 3955WX 16-Cores
        "physical id"s (chips)
      32 "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 : 16
      siblings : 32
      physical 0: cores 0 1 2 (3
                                            9 10 11
                                                     2 13 14 15
From lscpu:
                                       x86_64
     Architecture:
                                        32-bit, 64-bit
     CPU op-mode(s):
                                       Little Endian
     Byte Order:
                                       43 bits physical, 48 bits virtual
     Address sizes:
     CPU(s):
                                       32
     On-line CPU(s) list
                                       0 = 31
     Thread(s) per core
                                       16
     Core(s) per socket
                                       1
     Socket(s):
     NUMA node(s):
                                       1
     Vendor ID:
                                       AuthenticAMD
     CPU family;
                                       23
     Model:
                                       AMD Ryzen Threadripper PRO 3955WX 16-Cores
     Model name:
     Stepping:
     Frequency boost:
                                       enabled
     CPU MHz:
                                       1931.970
     CPU max MHz
                                       4402.7339
     PD min MHx:
                                       2200.0000
     BogoMIPS:
                                       7785.19
     Virtualization:
                                       AMD-V
     Lld cache:
                                       512 KiB
     Mli cache
                                       512 KiB
                                       8 MiB
     L2 cache
     N3 cache:
                                       64 MiB
     NUMA hode0 CPU(s):
                                       0 - 31
     Vulnerability Itlb multihit:
                                       Not affected
     Vulnerability L1tf:
                                       Not affected
     Vulnerability Mds:
                                       Not affected
     Vulnerability Meltdown:
                                       Not affected
     Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via
     prctl and seccomp
     Vulnerability Spectre v1:
                                       Mitigation; usercopy/swapgs barriers and __user
     pointer sanitization
     Vulnerability Spectre v2:
                                       Mitigation; Full AMD retpoline, IBPB conditional,
```

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SPECspeed®2017_int_base

SPECspeed®2017_int Mot Run

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Hardware Availability: Software Availability:

Platform Notes (Continued)

STIBP conditional, RSB filling

Vulnerability Srbds: Not affected Vulnerability Tsx async abort: Not affected

Flags:

Tested by:

fpu vme de pse tsc mar pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mm fxsk sse sse2 ht systall nx mmxext fxsr_opt pdpelgb rdtscp lm constant_tsc rep_good hopl nonstop_tsc cpuid extd_apicid aperfmperf pni pclmulqdq monitor ssse3 fma cx16 sse4_1 sse4_2 movbe popcnt aes xsave avx f16c rdrand lahf_lm cmp_legacy sym extapic cr8_legacy abm sse4a misalignsse 3dnowprefetch osvw ibs skinit wdt tee topoext perfctr_core perfctr_nb bpext perfctr_llc mwaitx cpb cat_l3 cdp_l3 hw_pstate ssbd mba sev ibpb stibp vmmcall sev_es fsgsbase bmil avx2 smep bmi2 com rdt_a paseed adx smap clflushopt clwb sha_ni

xsaveopt xsavec xgetbyl xsaves cqm_11c cqm_occup_11c cqm_mbm_total cqm_mbm_local clzero irperf xsaveer tr rdpry who invd arat npt lbrv svm_lock nrip_save tsc_scale vmcb_clean flushbyasid decodeassists pausefilter pfthreshold avic v_vmsave_vmload vgif umip rdpid overflow recov succor smca

/proc/cpuinfo cache data cache size : 512 KB

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

From /proc/meminfo

MemTotal: 32703484 KB HugePages_Total: Hugepagesize: 048 kB

/usr/bin/lsb_release Ubunta 20.04.2 LTS

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

debian_version bullseye/sid

os-release:

NAME="Ubuncu"

VERSION=/20.04.2 LTS (Focal Fossa)"

ID=uburtu

ID_LIKE=debian

PRETTY_NAME="Ubuntu 20.04.2 LTS"

VERSION_ID="20.04"

HOME_URL="https://www.ubuntu.com/"

SUPPORT_URL="https://help.ubuntu.com/"

uname -a:

Linux time-x 5.10.0-1044-oem #46-Ubuntu SMP Wed Aug 11 09:50:57 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux

Kernel self-reported vulnerability status:

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Platform Notes (Continued)

```
itlb_multihit:
                                           Not affected
CVE-2018-3620 (L1 Terminal Fault):
                                           Not affected
Microarchitectural Data Sampling:
                                           Not affected
CVE-2017-5754 (Meltdown):
                                           Not affected
CVE-2018-3639 (Speculative Store Bypass): Mitigation: Speculative Store Bypass disabled
                                           Tia protl and seccomp
CVE-2017-5753 (Spectre variant 1):
                                          tigation usercopy/swapgs barriers and __user
                                          pointer sanitization
                                          Mitigation: Full AMD retpoline, IBPB:
CVE-2017-5715 (Spectre variant (2):
                                          conditional, STIBP: conditional, RSB filling
                                          Not affected
srbds:
                                          Not affected
tsx_async_abort:
run-level 5 Aug 26 10:31
SPEC is set to: /u/home/hettwer/cpu2017
   Filesystem
                                                    Type Size Used Avail Use% Mounted
   nasil10.informatik.tu muenchen.den/erv/il10/home nfs
                                                          6.9T 5.4T 1.3T 82% /u/home
From /sys/devices/virtual/dmi/id
             LENOVO $07KT1FA 05/19/2021
    BTOS:
    Vendor: LENOVO
    Product Family: ThinkStation P620
Cannot run dmidecode: consider saying (as root)
   chmod +s /usr/sbin/dmidecode
       data from sysinfo program)
(End of
```

Compiler Version Notes

```
623.xalamcbmk_s(base)
Using built in specs.
COLLECT_GCC=/u/home/hettwer/toolchains/rv64g/bin/riscv64-unknown-linux-gnu-g++
COLLECT_LTV_WRAPPER=/u/home/hettwer/toolchains/rv64g/libexec/gcc/riscv64-unknown-linux-gnu/11.1.0/lto-wrapper
Target: riscv64-unknown-linux-qnu
Configured with:
  /u/home/hettwer/build-rv64g/../riscv-gnu-toolchain/riscv-gcc/configure
  --target=riscv64-unknown-linux-gnu
  --prefix=/u/home/hettwer/toolchains/rv64g
  --with-sysroot=/u/home/hettwer/toolchains/rv64g/sysroot --with-system-zlib
  --enable-shared --enable-tls --enable-languages=c,c++,fortran
```

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Compiler Version Notes (Continued)

- --disable-libmudflap --disable-libssp --disable-libquadmath
- --disable-libsanitizer --disable-nls --disable-bootstap
- --src=../../riscv-gnu-toolchain/riscv-gcc --disable-multilib
- --with-abi=lp64d --with-arch=rv64imafdc --with-tune=rocked
- 'CFLAGS_FOR_TARGET=-O2 -mcmodel=medlow' CXXFLAGS_FOR_TARGET=-O2
- -mcmodel=medlow'

Thread model: posix

Supported LTO compression algorithms: zli

gcc version 11.1.0 (GCC)

Base Unknown Flags

623.xalancbmk_s: "/u/home/hettwer/toolchains/rv64g/bjn/riscv64-unknown-linux-gnu-" (in CXX)

- "/u/home/hettwer/toolchains/rv64g/bin/riscv64-unknown-linux-gnu-" (in LD)
- "-fcommon -static" (in OPTIMIZE)
- "-fno-openmp" (in EXTRA_OPTIMIZE)

Base Runtime Environment

C++ benchmarks:

623.xalancbmk_s: No flags used

Base Compiler Invocation

C++ benchmarks:

623.xalancbmk_s: g++

Base Portability Flags

623.xalancbmk_s: -DSPEC_LINUX -DSPEC_LP64

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Base Optimization Flags

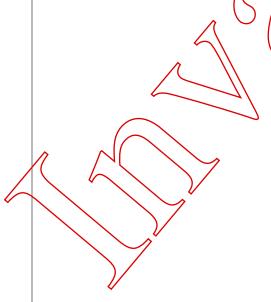
C++ benchmarks:

623.xalancbmk_s: -std=c++03 -03 -fno-unsafe-math-optimizations -DSPEC_SUPPRESS_OPENMP

Base Other Flags

C++ benchmarks:

623.xalancbmk_s: No flags used



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