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Stress_1400 - 2021-03-25

A Phoromatic run.

Test Systems:

2021-03-25

Processor: Intel Xeon E3-12xx v2 (1 Core), Motherboard: RDO OpenStack Compute (1.11.0-2.el7 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1 x 2048 MB RAM, Disk: 54GB QEMU HDD, Graphics: Cirrus Logic GD 5446, Network: Red Hat Virtio device

OS: Ubuntu 20.04, Kernel: 5.4.0-66-generic (x86_64), Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 800x600, System Layer: KVM

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / relatime,rw / Block Size: 4096

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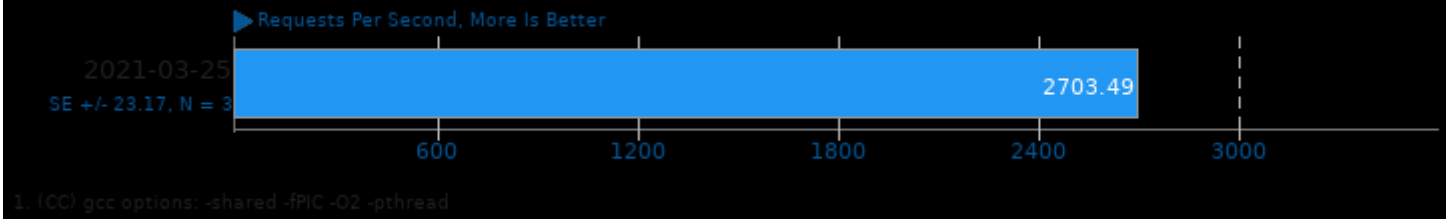
Processor Notes: CPU Microcode: 0x1
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Mitigation of Clear buffers; SMT Host state unknown + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Unknown: Dependent on hypervisor status + tsx_async_abort: Not affected

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Apache Benchmark - S.W.P.S (Reqs/sec)	2703
Standard Deviation	1.5%
Gcrypt Library (sec)	495.433
Standard Deviation	0.9%
glibc bench - ffsll (nanoseconds)	4.17006
Standard Deviation	0.2%
Go Benchmarks - json (ns/op)	114001626
Standard Deviation	1.4%
John The Ripper - MD5 (Real C/S)	25502
Standard Deviation	0.5%
NGINX Benchmark - S.W.P.S (Reqs/sec)	4893
Standard Deviation	0.8%
Node.js Express HTTP Load Test (Reqs/sec)	1028
Standard Deviation	0.9%
OpenSSL - R.4.b.P (Signs/sec)	65.7
Standard Deviation	0.3%
Perl Benchmarks - Interpreter (sec)	0.00233335
Standard Deviation	0.7%
PHPBench - P.B.S (Score)	223460
Standard Deviation	0.4%
PostgreSQL pgbench - 100 - 50 - Read Write (TPS)	916
Standard Deviation	1.1%
PostgreSQL pgbench - 100 - 50 - Read Write - Average Latency	54.610
Standard Deviation	1.1%
Redis - SET (Reqs/sec)	305948
Standard Deviation	1.2%
SQLite - 8 (sec)	340.883
Standard Deviation	0.8%

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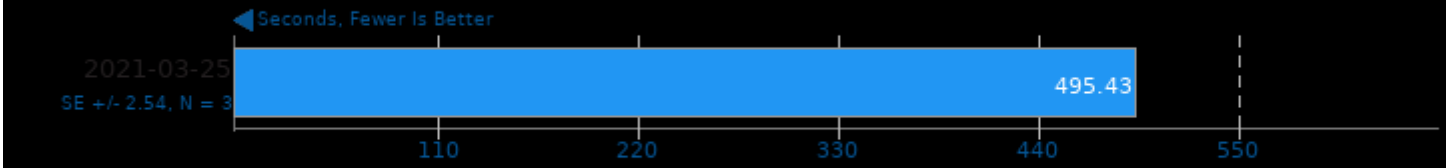
Apache Benchmark 2.4.29

Static Web Page Serving



1. (CC) gcc options: -shared -fPIC -O2 -pthread

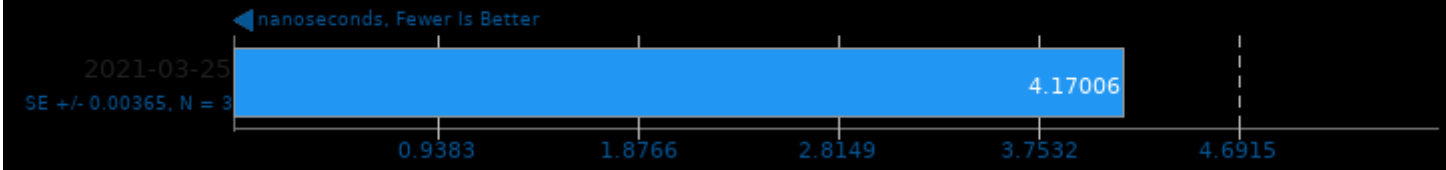
Gcrypt Library 1.9



1. (CC) gcc options: -O2 -fvisibility=hidden

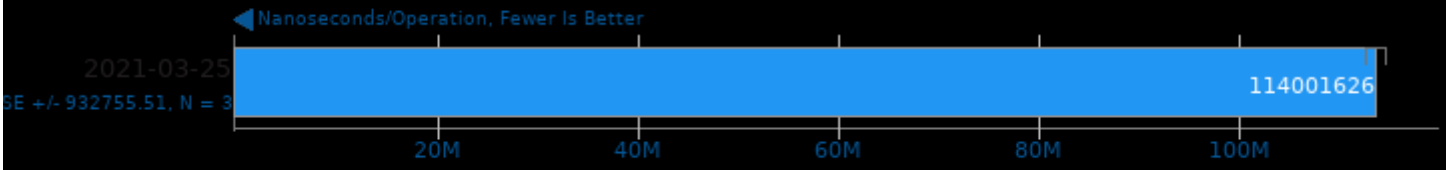
glibc bench 1.0

Benchmark: ffsll



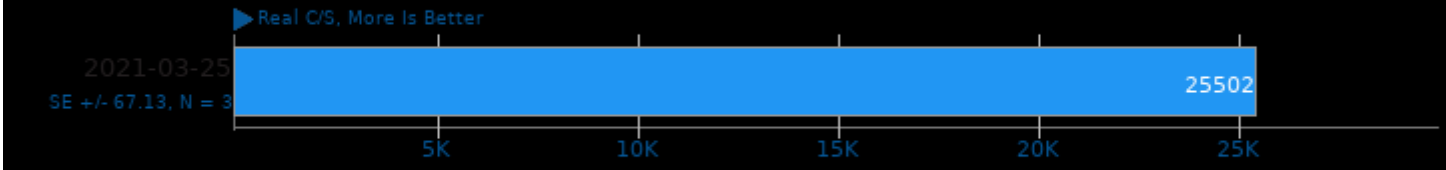
Go Benchmarks

Test: json



John The Ripper 1.9.0-jumbo-1

Test: MD5

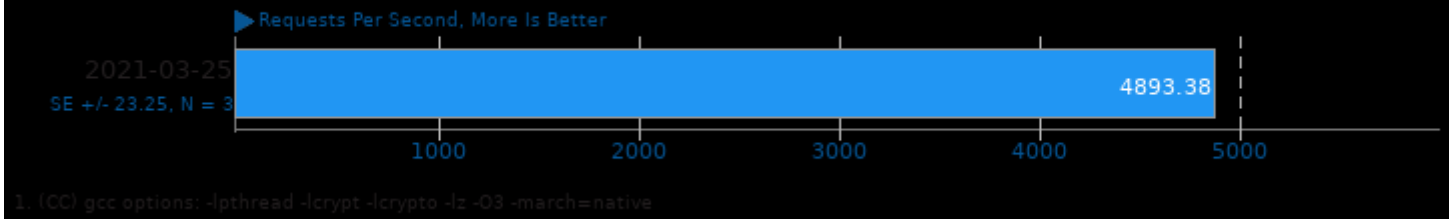


1. (CC) gcc options: -O3 --param -std=gnu89

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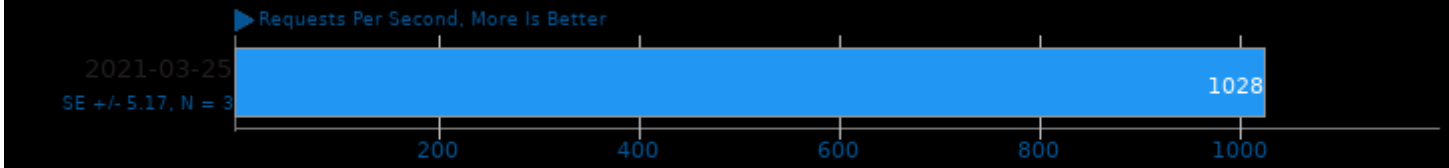
NGINX Benchmark 1.9.9

Static Web Page Serving



1. (CC) gcc options: -lpthread -lcrypt -lcrypto -lz -O3 -march=native

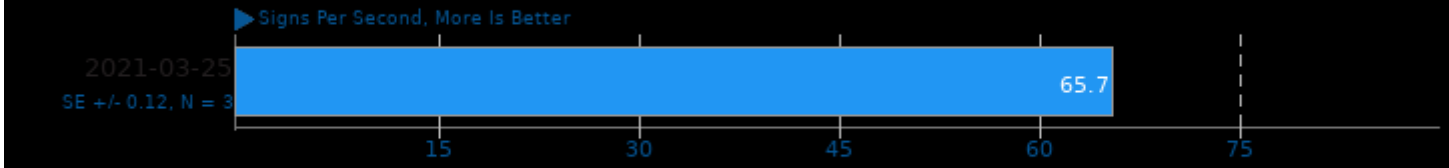
Node.js Express HTTP Load Test



1. Nodejs v10.19.0

OpenSSL 1.1.1

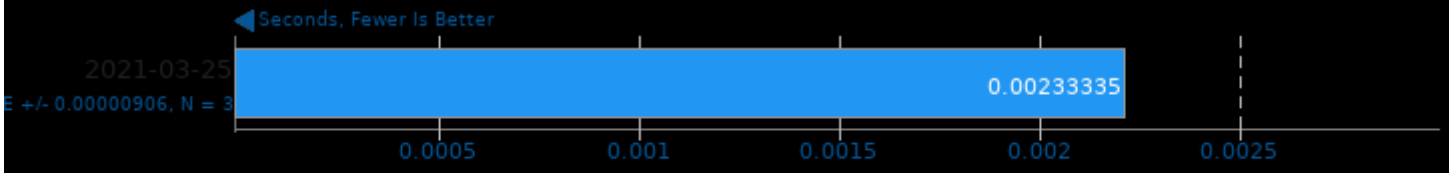
RSA 4096-bit Performance



1. (CC) gcc options: -pthread -m64 -O3 -lcrypto -ldl

Perl Benchmarks

Test: Interpreter

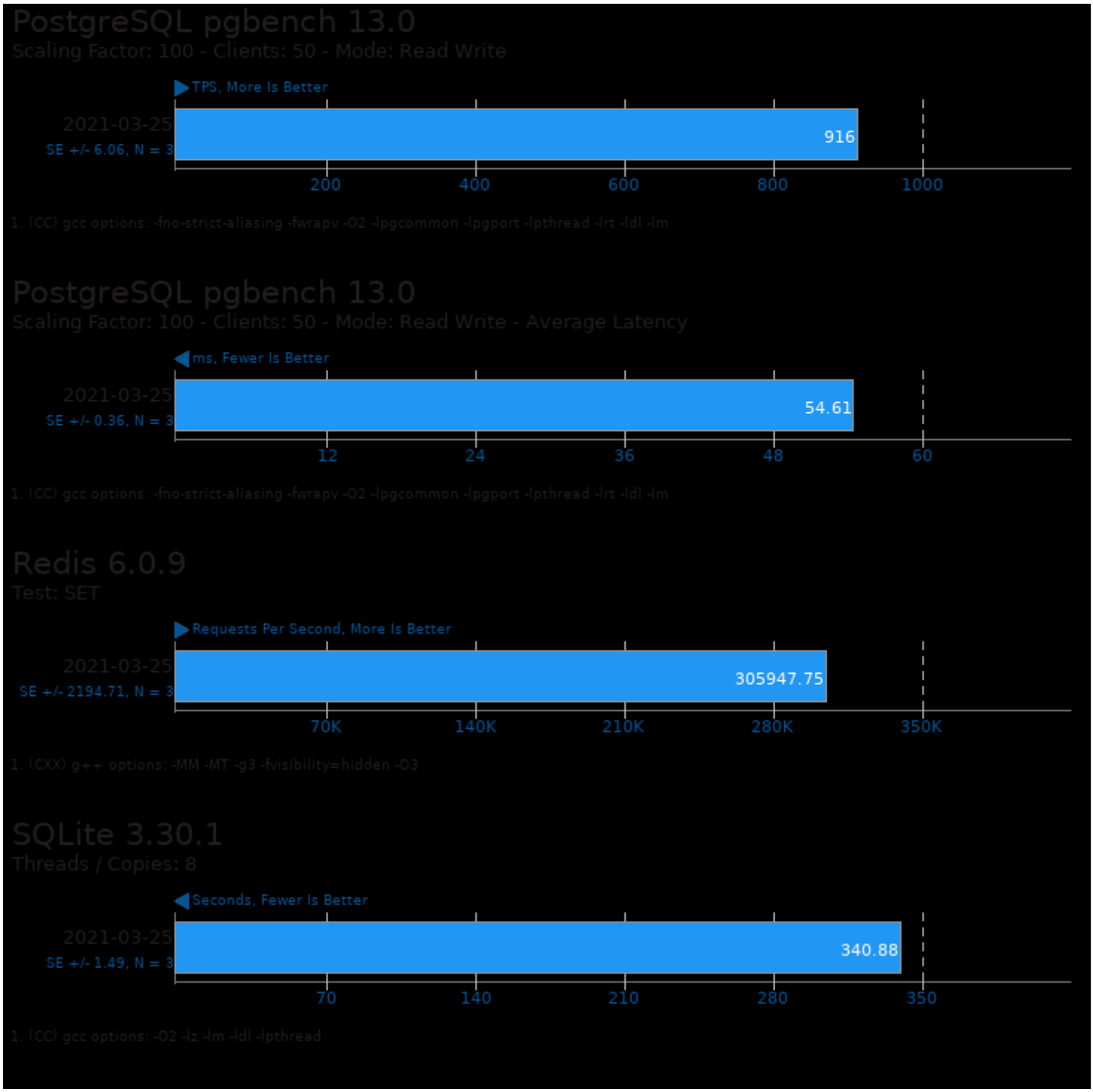


PHPBench 0.8.1

PHP Benchmark Suite



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