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Stress_0600 - 2021-03-24

A Phoromatic run.

Test Systems:

2021-03-24

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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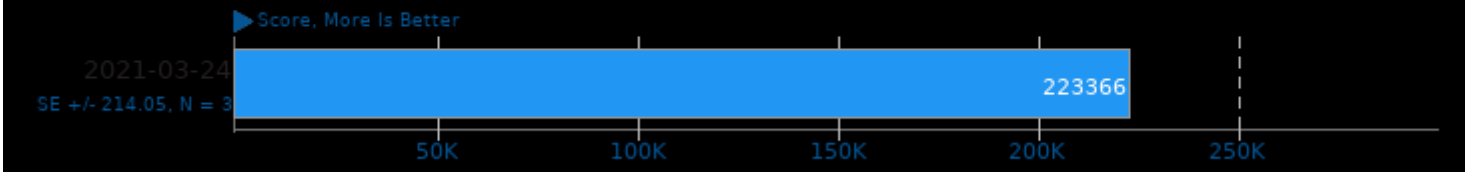
Processor Notes: CPU Microcode: 0x1
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Mitigation of Clear buffers; SMT Host state unknown + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation 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

	2021-03-24
PHPBench - P.B.S (Score)	223366
Standard Deviation	0.2%
Apache Benchmark - S.W.P.S (Reqs/sec)	2694
Standard Deviation	1%
NGINX Benchmark - S.W.P.S (Reqs/sec)	4956
Standard Deviation	0.2%
Redis - SET (Reqs/sec)	300664
Standard Deviation	0.9%
glibc bench - ffsll (nanoseconds)	4.16857
Standard Deviation	1.2%
OpenSSL - R.4.b.P (Signs/sec)	65.6
Standard Deviation	0.9%
Perl Benchmarks - Interpreter (sec)	0.00233252
Standard Deviation	1.5%
Gcrypt Library (sec)	493.222
Standard Deviation	0.6%
Node.js Express HTTP Load Test (Reqs/sec)	1013
Standard Deviation	1.3%
John The Ripper - MD5 (Real C/S)	25738
Standard Deviation	0.3%
Go Benchmarks - json (ns/op)	113132693
Standard Deviation	1.5%
SQLite - 8 (sec)	400.819
Standard Deviation	3.1%
PostgreSQL pgbench - 100 - 50 - Read Write - Average Latency	58.528
Standard Deviation	6.8%
PostgreSQL pgbench - 100 - 50 - Read Write (TPS)	858
Standard Deviation	6.6%

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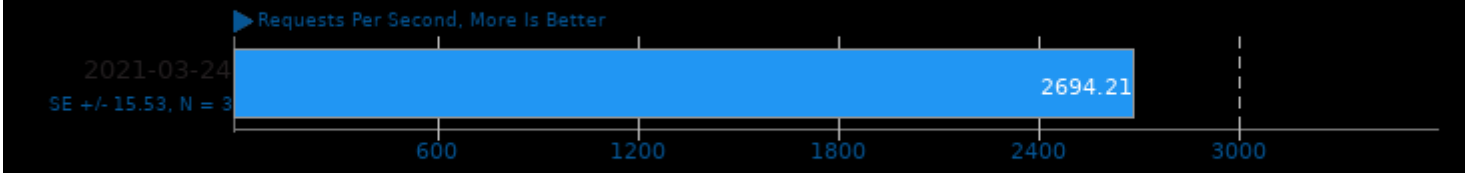
PHPBench 0.8.1

PHP Benchmark Suite



Apache Benchmark 2.4.29

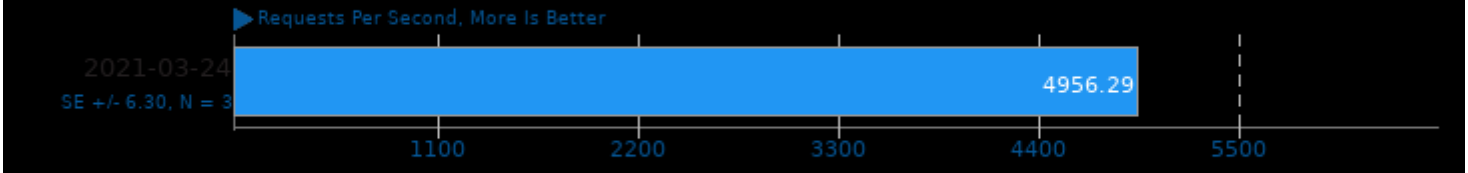
Static Web Page Serving



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

NGINX Benchmark 1.9.9

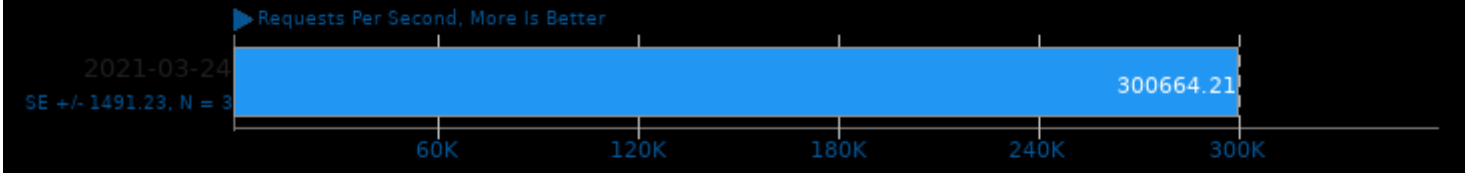
Static Web Page Serving



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

Redis 6.0.9

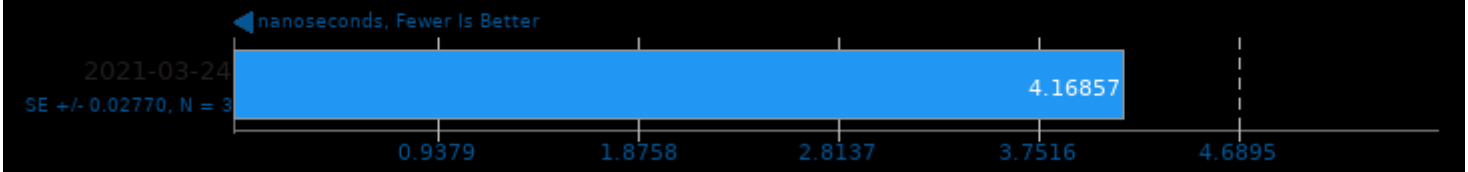
Test: SET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

glibc bench 1.0

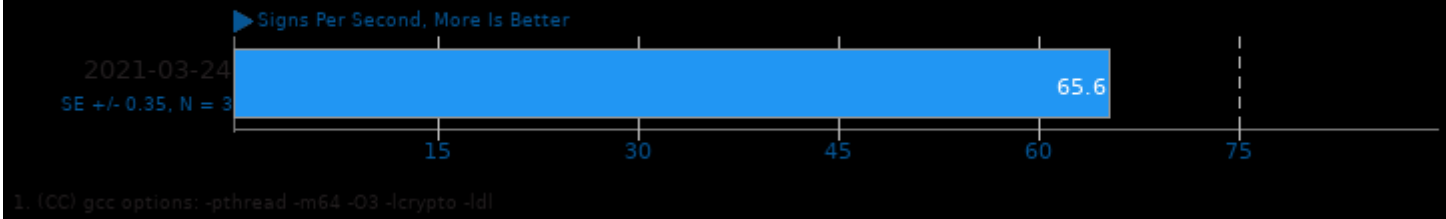
Benchmark: ffsll



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OpenSSL 1.1.1

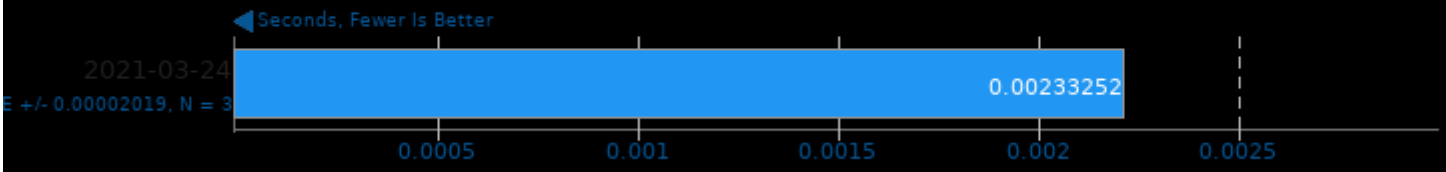
RSA 4096-bit Performance



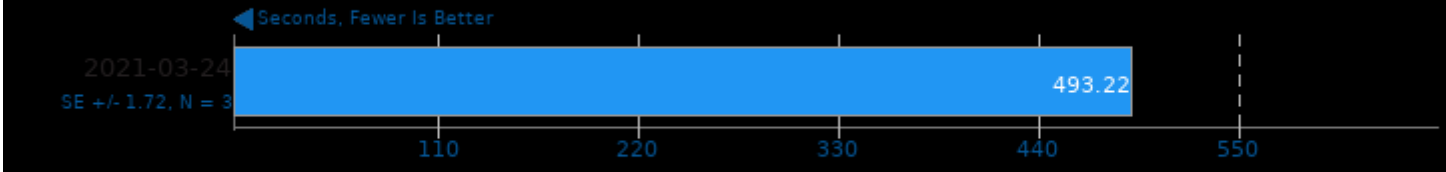
1. (CC) gcc options: -pthread -m64 -O3 -lcrypto -ldl

Perl Benchmarks

Test: Interpreter

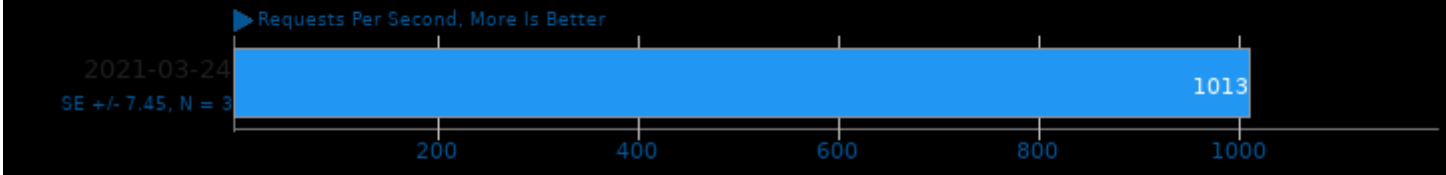


Gcrypt Library 1.9



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

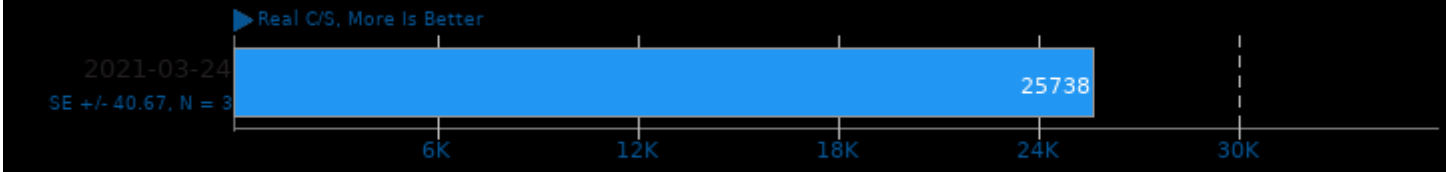
Node.js Express HTTP Load Test



1. Nodejs v10.19.0

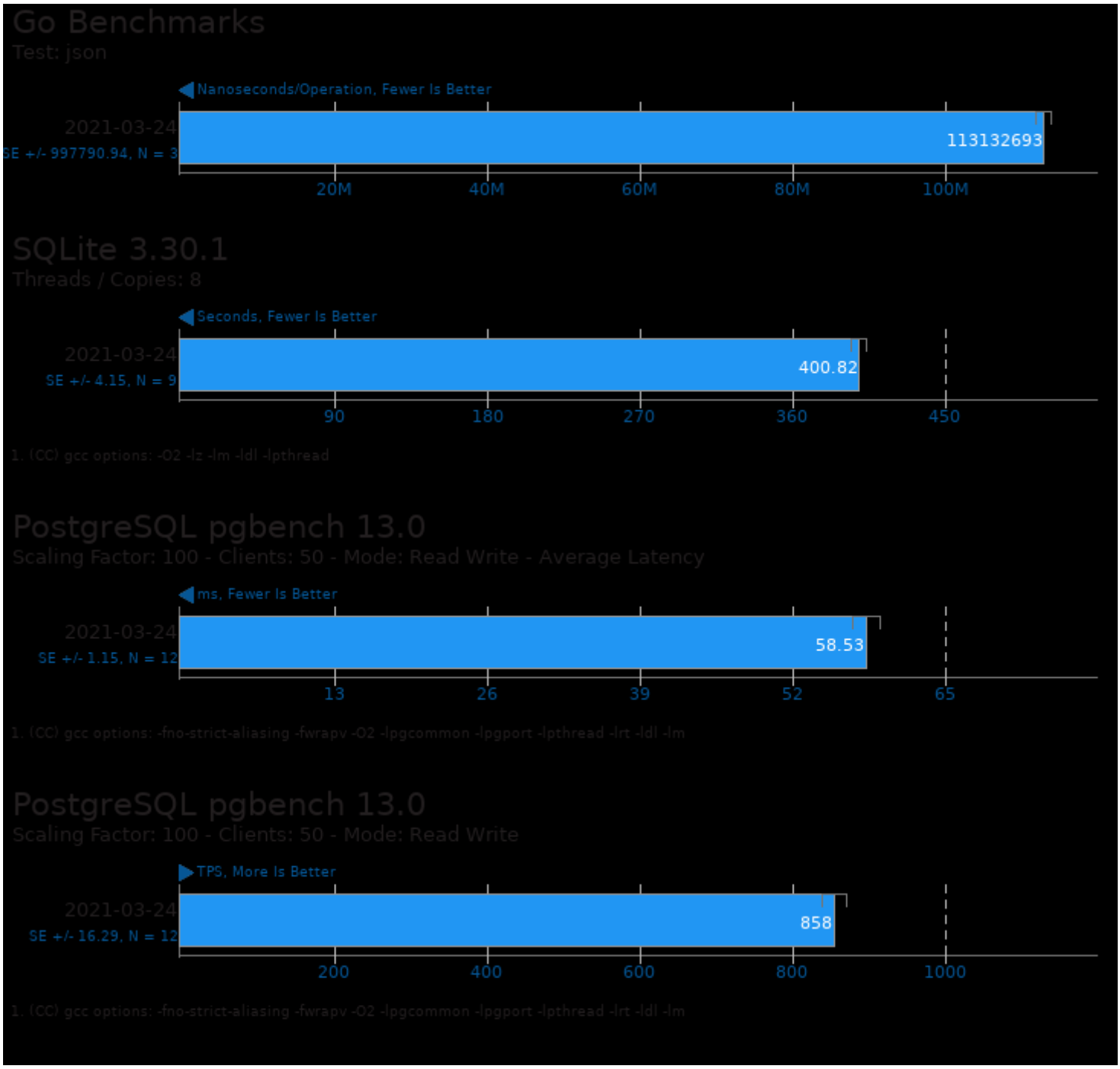
John The Ripper 1.9.0-jumbo-1

Test: MD5



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

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