



[www.phoronix-test-suite.com](http://www.phoronix-test-suite.com)

## Stress\_2000 - 2021-02-27

A Phromatic run.

### Test Systems:

#### 2021-02-27

Processor: AMD EPYC 7282 16-Core (6 Cores), Motherboard: QEMU Standard PC (i440FX + PIIX 1996) (rel-1.13.0-48-gd9c812dda519-prebuilt.qemu.org BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1 x 16384 MB RAM QEMU, Disk: 429GB QEMU HDD, Graphics: VMware SVGA II, Network: Red Hat Virtio device

OS: Ubuntu 20.04, Kernel: 5.4.0-65-generic (x86\_64), Compiler: GCC 9.3.0, File-System: ext4, System Layer: KVM VMware

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 / errors=remount-ro,relatime,rw / Block Size: 4096

Processor Notes: CPU Microcode: 0x1000065

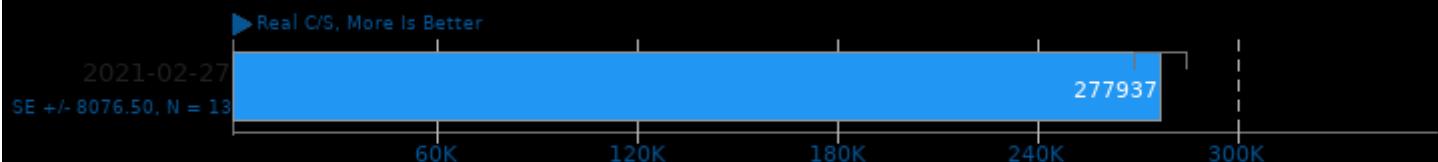
Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre\_v1: Mitigation of usercopy/swapgs barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full AMD retrpoline IBPB: conditional STIBP: disabled RSB filling + srbds: Not affected + tsx\_async\_abort: Not affected

2021-02-27

<b>John The Ripper - MD5 (Real C/S)</b>	277937
Standard Deviation	10.5%
<b>Node.js Express HTTP Load Test (Req/s/sec)</b>	3624
Standard Deviation	6.3%
<b>Redis - SET (Req/s/sec)</b>	903034
Standard Deviation	4.1%
<b>NGINX Benchmark - S.W.P.S (Req/s/sec)</b>	20103
Standard Deviation	2.2%
<b>Apache Benchmark - S.W.P.S (Req/s/sec)</b>	16153
Standard Deviation	4.6%
<b>PHPBench - P.B.S (Score)</b>	382323
Standard Deviation	0.8%
<b>OpenSSL - R.4.b.P (Signs/sec)</b>	966.7
Standard Deviation	5.6%
<b>PostgreSQL pgbench - 100 - 50 - Read Write (TPS)</b>	1225
Standard Deviation	9.5%
<b>PostgreSQL pgbench - 100 - 50 - Read Write - Average Latency</b>	41.237
Standard Deviation	11.4%
<b>glibc bench - ffsll (nanoseconds)</b>	2.78820
Standard Deviation	0.8%
<b>Go Benchmarks - json (ns/op)</b>	14799775
Standard Deviation	2.3%
<b>SQLite - 8 (sec)</b>	310.603
Standard Deviation	1.1%
<b>Gcrypt Library (sec)</b>	314.687
Standard Deviation	0.2%
<b>Perl Benchmarks - Interpreter (sec)</b>	0.00195696
Standard Deviation	10.9%

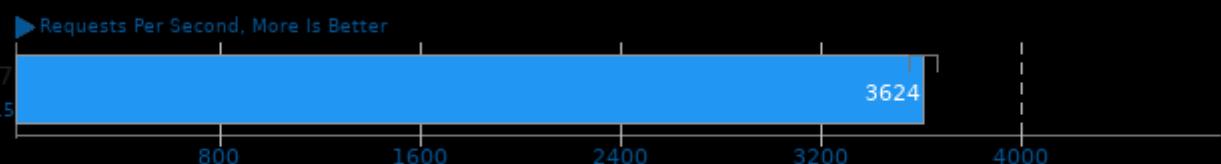
## John The Ripper 1.9.0-jumbo-1

Test: MD5



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -pthread -lm -lz -ldl -lcrypt

## Node.js Express HTTP Load Test

1. Nodejs  
v10.19.0

## Redis 6.0.9

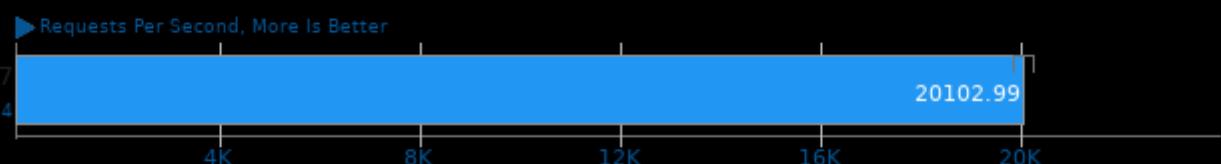
Test: SET



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

## NGINX Benchmark 1.9.9

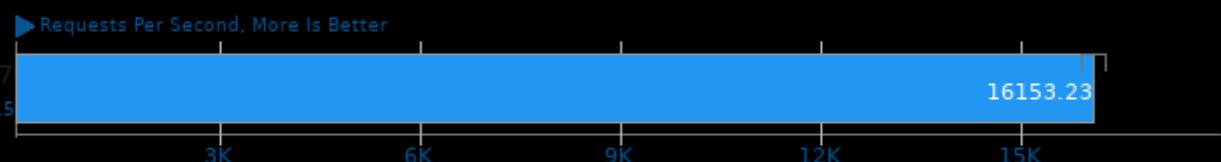
Static Web Page Serving



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

## Apache Benchmark 2.4.29

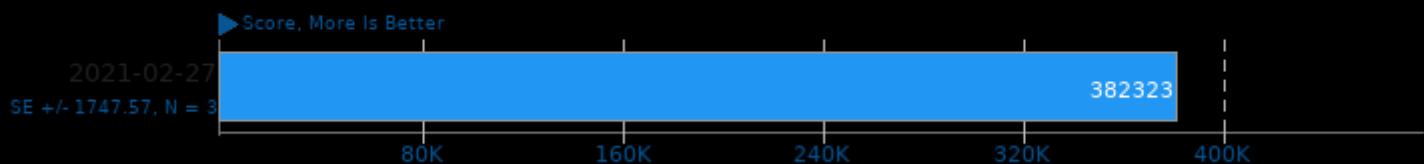
Static Web Page Serving



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

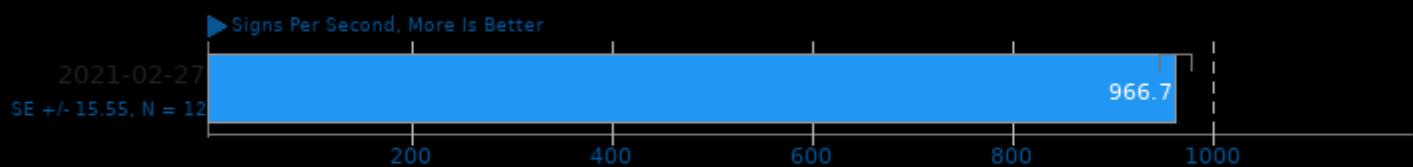
## PHPBench 0.8.1

PHP Benchmark Suite



## OpenSSL 1.1.1

RSA 4096-bit Performance



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

## PostgreSQL pgbench 13.0

Scaling Factor: 100 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -lpthread -lrt -ldl -lm

## PostgreSQL pgbench 13.0

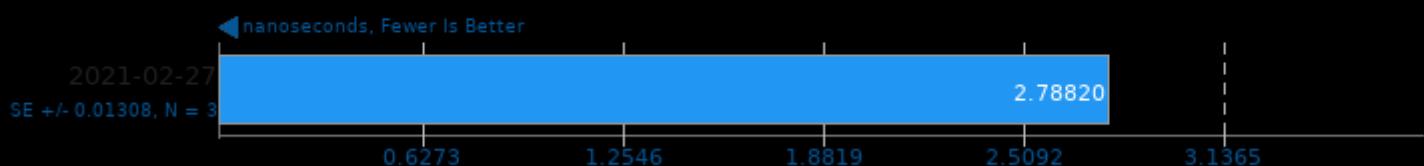
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -lpthread -lrt -ldl -lm

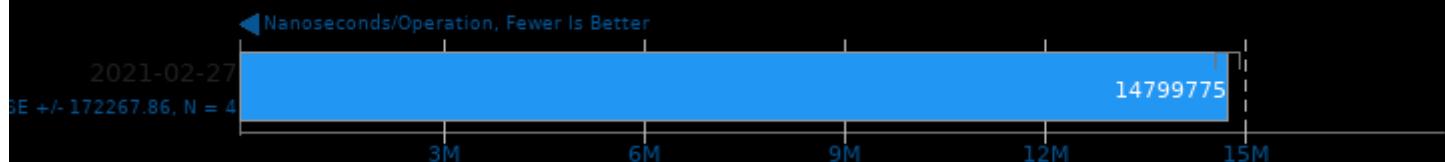
## glibc bench 1.0

Benchmark: ffsll



## Go Benchmarks

Test: json



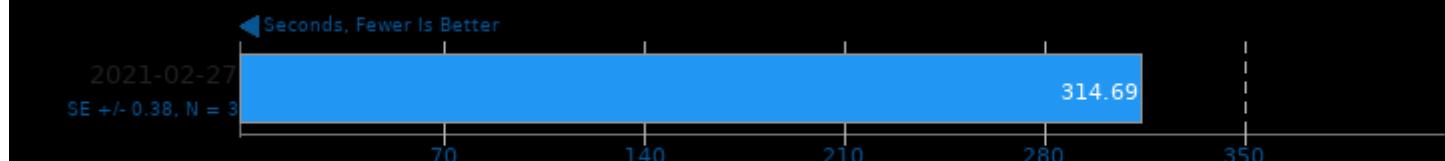
## SQLite 3.30.1

Threads / Copies: 8



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

## Gcrypt Library 1.9



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

## Perl Benchmarks

Test: Interpreter



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 13:25.