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# Stress_1700 - 2021-02-25

A Phoromatic run.

## Test Systems:

### 2021-02-25

Processor: AMD EPYC 7702P 64-Core (2 Cores), Motherboard: netcup KVM Server (RS 1000 G9 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1 x 8192 MB RAM QEMU, Disk: 172GB QEMU HDD, Graphics: bochsdrmfb, Network: Red Hat Virtio device

OS: Debian 10, Kernel: 4.19.0-14-amd64 (x86_64), Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

Kernel Notes: Transparent Huge Pages: never
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw / Block Size: 4096

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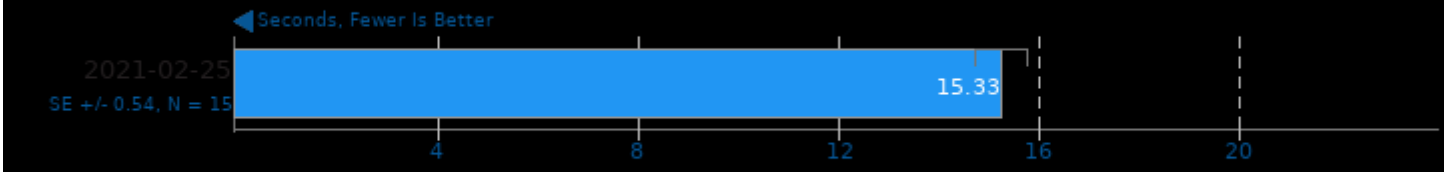
Processor Notes: CPU Microcode: 0x1000065
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

| | 2021-02-25 |
|---|---|
| **SQLite - 8 (sec)** | 15.330 |
| **Standard Deviation** | 13.5% |
| **Go Benchmarks - json (ns/op)** | 35511390 |
| **Standard Deviation** | 0.7% |
| **John The Ripper - MD5 (Real C/S)** | 156177 |
| **Standard Deviation** | 1.6% |
| **Node.js Express HTTP Load Test (Reqs/sec)** | 4994 |
| **Standard Deviation** | 1.6% |
| **Gcrypt Library (sec)** | 267.836 |
| **Standard Deviation** | 0.8% |
| **Perl Benchmarks - Interpreter (sec)** | 0.00102297 |
| **Standard Deviation** | 5.7% |
| **OpenSSL - R.4.b.P (Signs/sec)** | 397.3 |
| **Standard Deviation** | 0.7% |
| **glibc bench - ffsll (nanoseconds)** | 2.35537 |
| **Standard Deviation** | 0.2% |
| **PostgreSQL pgbench - 100 - 50 - Read Write (TPS)** | 3630 |
| **Standard Deviation** | 2.2% |
| **PostgreSQL pgbench - 100 - 50 - Read Write - Average Latency** | 13.779 |
| **Standard Deviation** | 2.2% |
| **Redis - SET (Reqs/sec)** | 1253004 |
| **Standard Deviation** | 1.7% |
| **NGINX Benchmark - S.W.P.S (Reqs/sec)** | 25962 |
| **Standard Deviation** | 0.4% |
| **Apache Benchmark - S.W.P.S (Reqs/sec)** | 14826 |
| **Standard Deviation** | 4.6% |
| **PHPBench - P.B.S (Score)** | 500154 |
| **Standard Deviation** | 0.3% |

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## SQLite 3.30.1

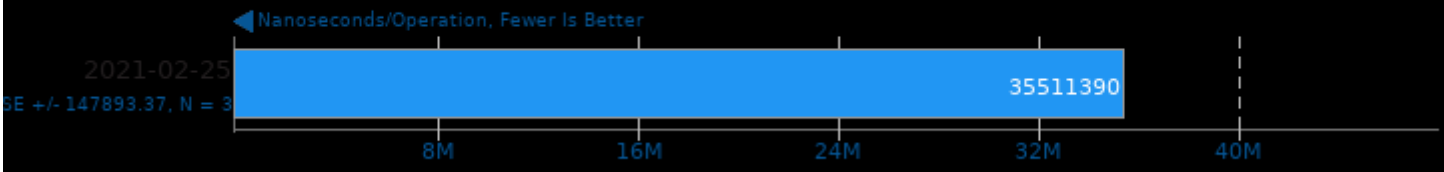
Threads / Copies: 8




1. (CC) gcc options: -O2 -lz -lm -ldl -lpthread

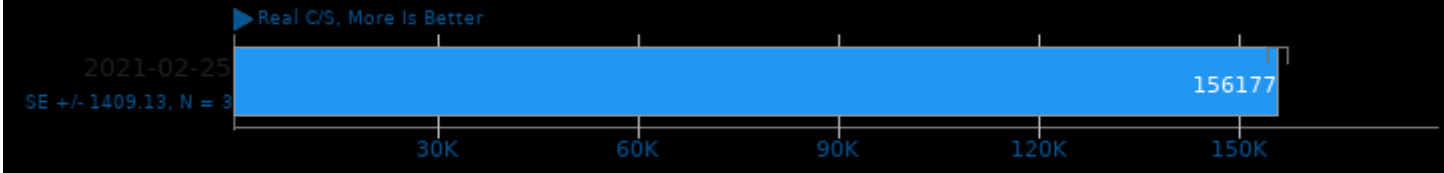
## Go Benchmarks

Test: json



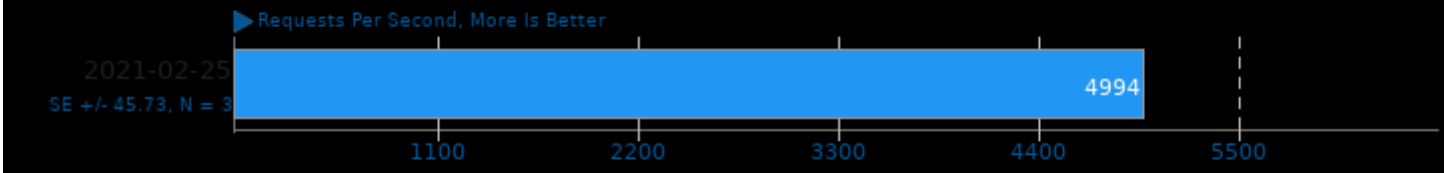

## John The Ripper 1.9.0-jumbo-1

Test: MD5



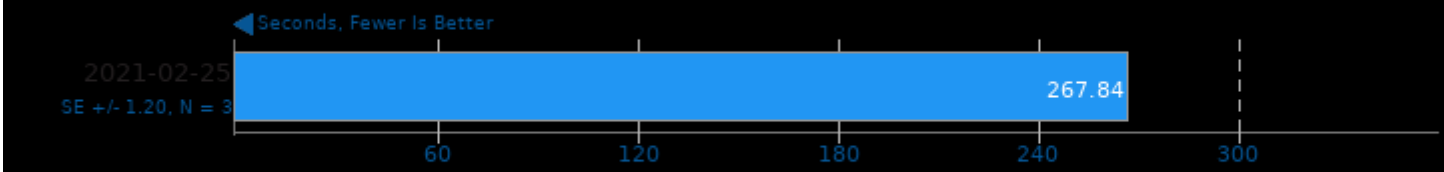

1. (CC) gcc options: -m64 -fopenmp

## Node.js Express HTTP Load Test




1. Nodejs v10.23.1

## Gcrypt Library 1.9

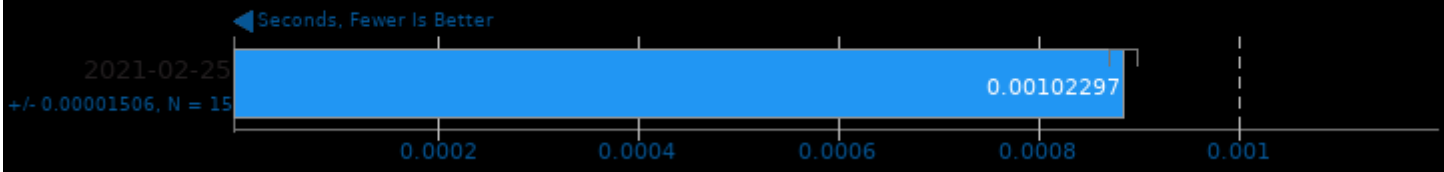



1. (CC) gcc options: -O2 -fvisibility=hidden

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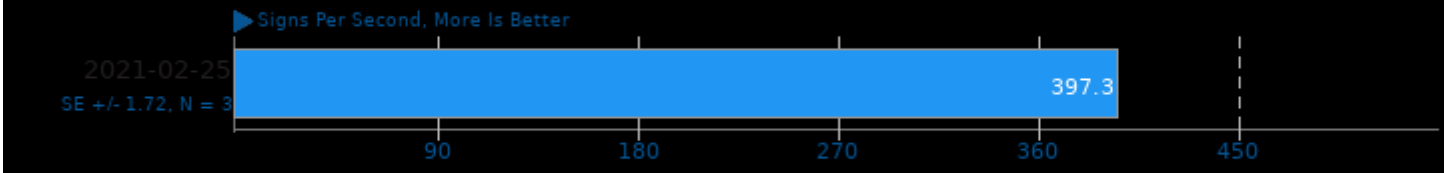
## Perl Benchmarks

Test: Interpreter




## OpenSSL 1.1.1

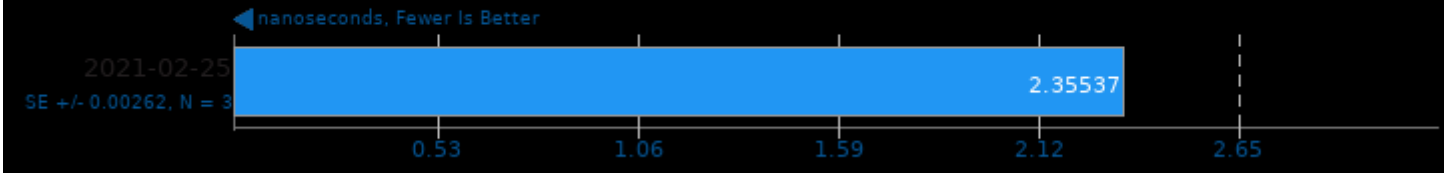
RSA 4096-bit Performance




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

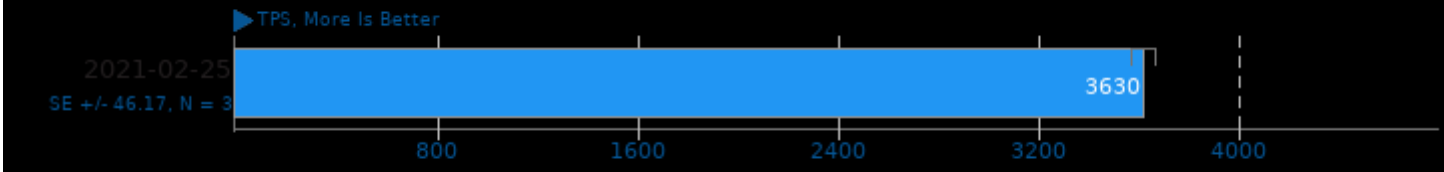
## glibc bench 1.0

Benchmark: ffsll




## PostgreSQL pgbench 13.0

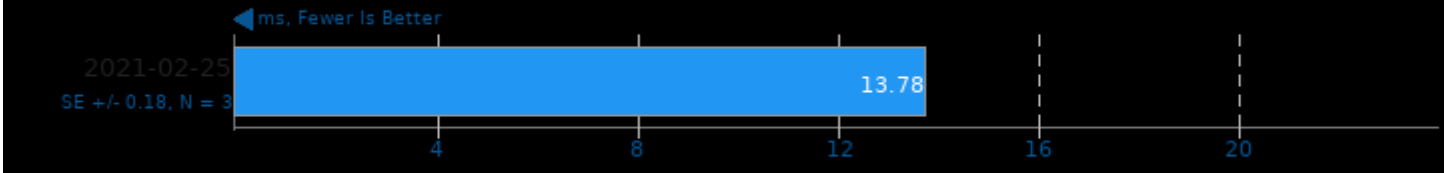
Scaling Factor: 100 - Clients: 50 - Mode: Read Write




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

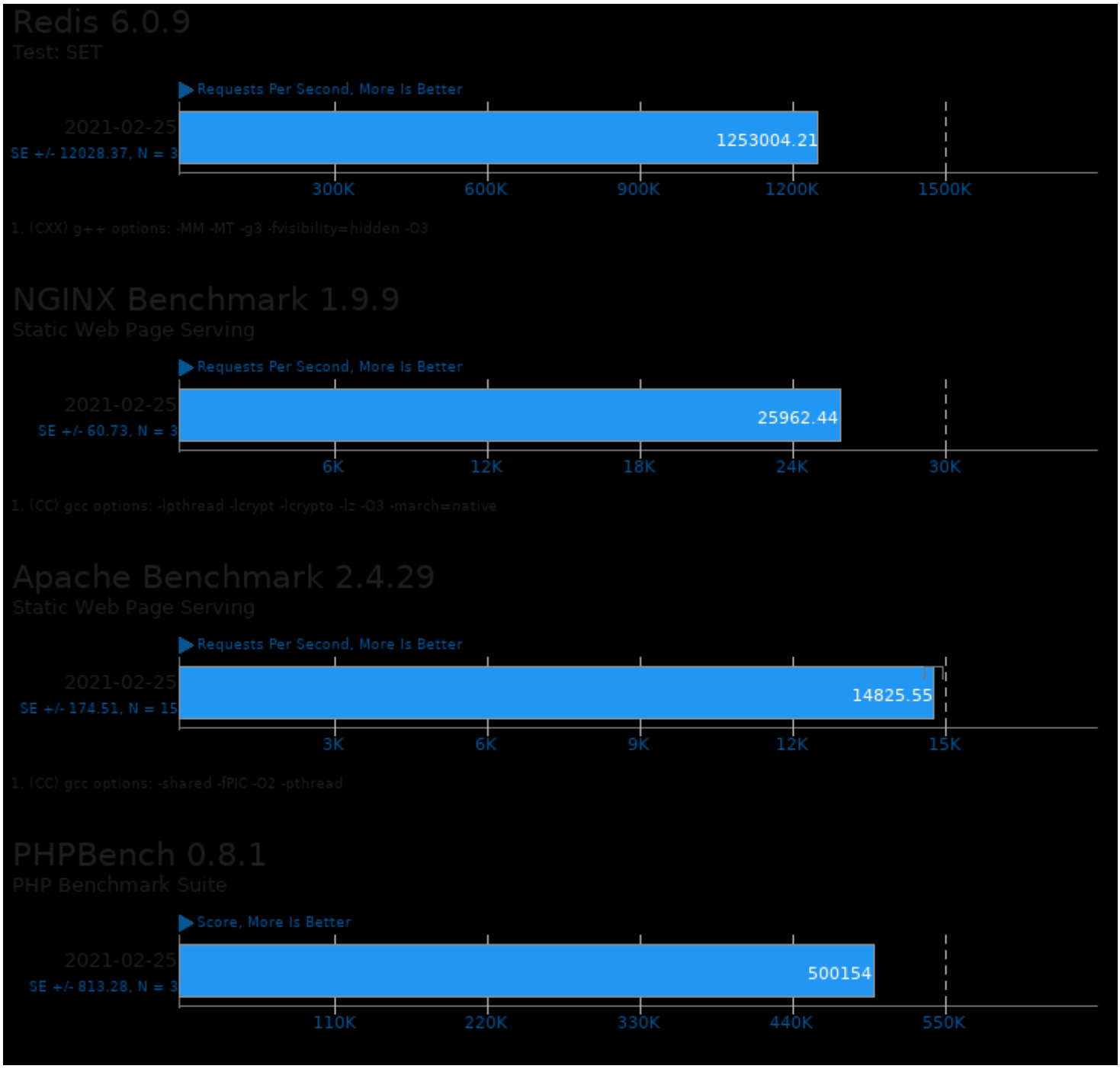
## PostgreSQL pgbench 13.0

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




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

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