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## test-glibc-bench

VMware testing on CentOS Linux 8 via the Phoronix Test Suite.

## Test Systems:

### 4 x Intel Xeon Gold 6248

Processor: 4 x Intel Xeon Gold 6248 (7 Cores), Motherboard: Intel 440BX (6.00 BIOS), Chipset: Intel 440BX/ZX/DX, Memory: 1 x 8 GB DRAM, Disk: 215GB Virtual disk, Graphics: VMware SVGA II, Network: 2 x VMware VMXNET3

OS: CentOS Linux 8, Kernel: 4.18.0-240.el8.x86\_64 (x86\_64), Compiler: GCC 8.5.0 20210514, File-System: xfs, Screen Resolution: 1672x1254, System Layer: VMware

Kernel Notes: Transparent Huge Pages: always  
Compiler Notes: --build=x86\_64-redhat-linux --disable-libmpx --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-cet --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,ito --enable-multilib --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=x86-64 --with-gcc-major-version-only --with-isl --with-linker-hash-style-gnu --with-tune=generic --without-cuda-driver  
Processor Notes: CPU Microcode: 0x5003102

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:

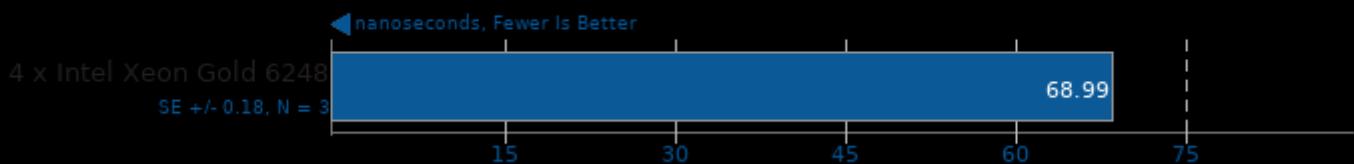
Mitigation of Full generic retpoline IBPB: conditional IBRS\_FW STIBP: disabled RSB filling + srbds: Not affected + tsx\_async\_abort: Not affected

**4 x Intel Xeon Gold 6248**

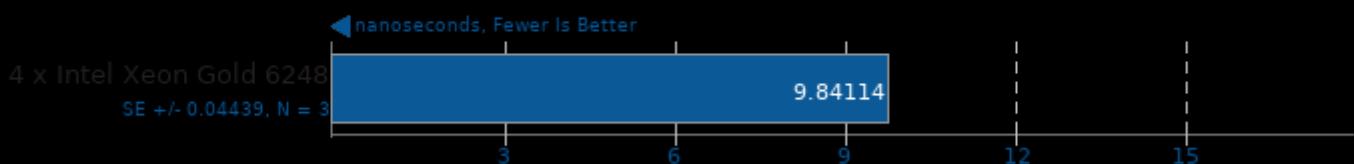
|   |         |
|---|---------|
| <b>glibc bench - cos (nanoseconds)</b>          | 68.9896 |
| Standard Deviation                              | 0.5%    |
| <b>glibc bench - exp (nanoseconds)</b>          | 9.84114 |
| Standard Deviation                              | 0.8%    |
| <b>glibc bench - ffs (nanoseconds)</b>          | 2.50994 |
| Standard Deviation                              | 0.1%    |
| <b>glibc bench - sin (nanoseconds)</b>          | 67.0699 |
| Standard Deviation                              | 0.4%    |
| <b>glibc bench - log2 (nanoseconds)</b>         | 12.0266 |
| Standard Deviation                              | 0.4%    |
| <b>glibc bench - modf (nanoseconds)</b>         | 3.16864 |
| Standard Deviation                              | 0.3%    |
| <b>glibc bench - sinh (nanoseconds)</b>         | 15.2077 |
| Standard Deviation                              | 2.9%    |
| <b>glibc bench - sqrt (nanoseconds)</b>         | 2.85582 |
| Standard Deviation                              | 0.3%    |
| <b>glibc bench - tanh (nanoseconds)</b>         | 17.3428 |
| Standard Deviation                              | 0.2%    |
| <b>glibc bench - asinh (nanoseconds)</b>        | 20.3516 |
| Standard Deviation                              | 0.6%    |
| <b>glibc bench - atanh (nanoseconds)</b>        | 16.2363 |
| Standard Deviation                              | 0.4%    |
| <b>glibc bench - ffsl (nanoseconds)</b>         | 2.50369 |
| Standard Deviation                              | 0.3%    |
| <b>glibc bench - sincos (nanoseconds)</b>       | 20.0596 |
| Standard Deviation                              | 0.2%    |
| <b>glibc bench - pthread_once (nanoseconds)</b> | 2.54987 |
| Standard Deviation                              | 0%      |

**glibc bench 1.0**

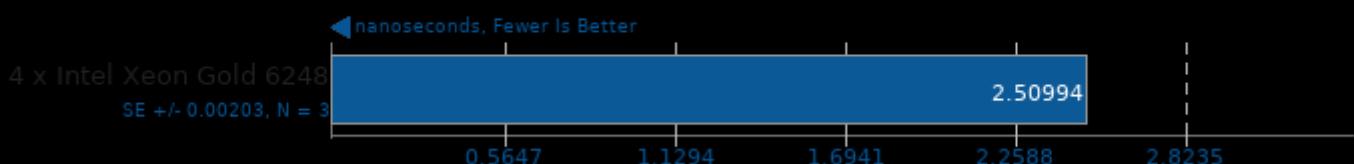
Benchmark: cos

**glibc bench 1.0**

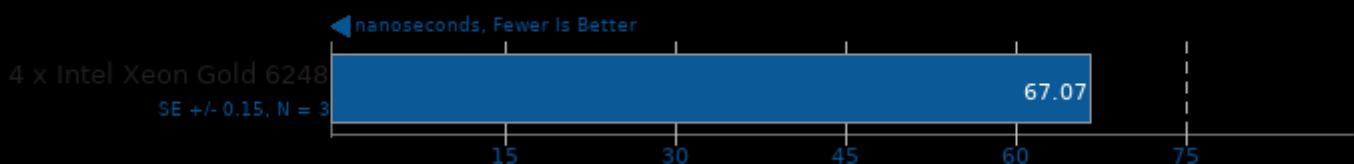
Benchmark: exp

**glibc bench 1.0**

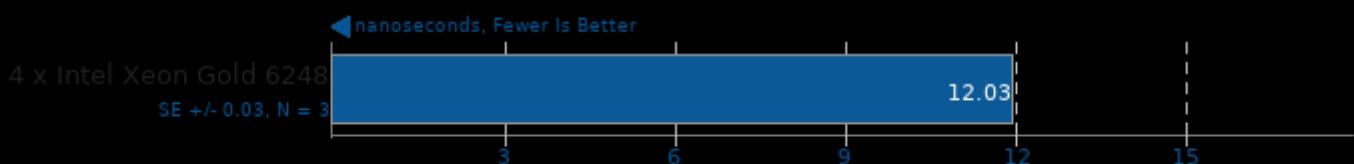
Benchmark: ffs

**glibc bench 1.0**

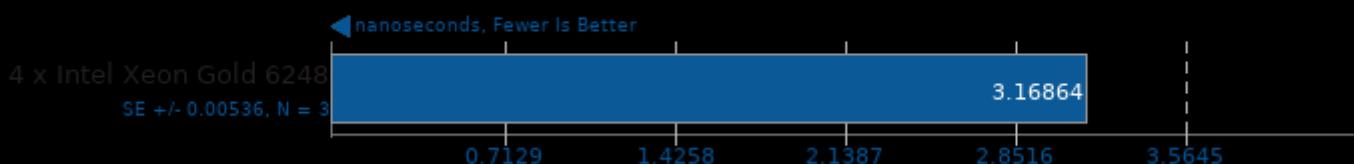
Benchmark: sin

**glibc bench 1.0**

Benchmark: log2

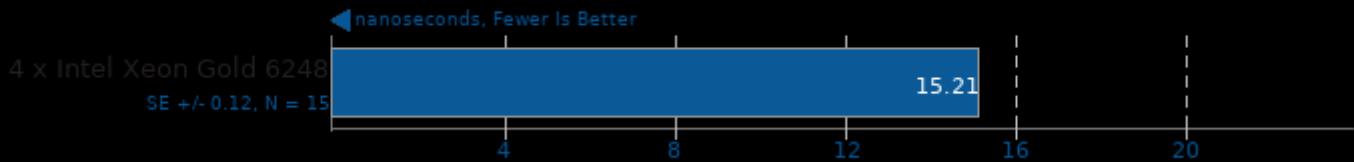
**glibc bench 1.0**

Benchmark: modf

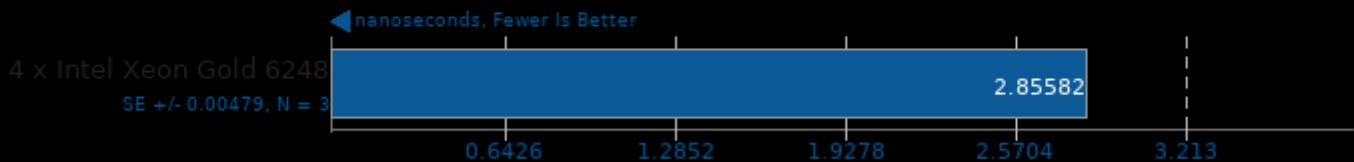


**glibc bench 1.0**

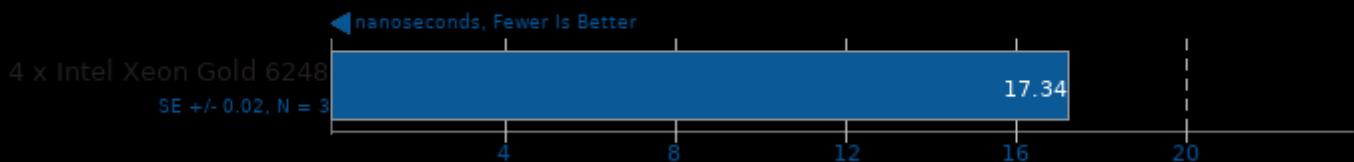
Benchmark: sinh

**glibc bench 1.0**

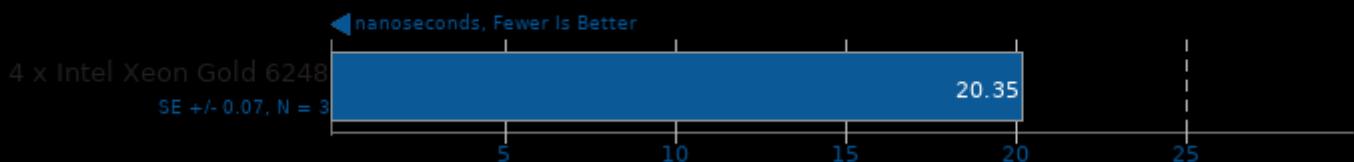
Benchmark: sqrt

**glibc bench 1.0**

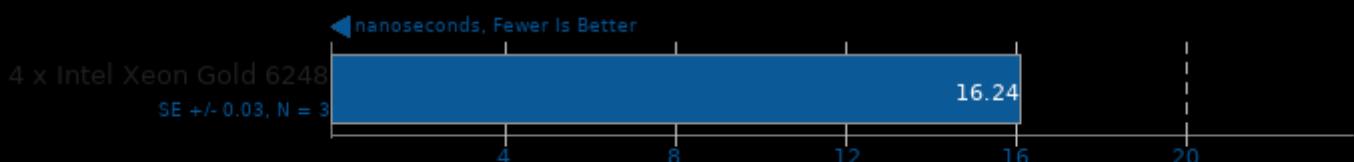
Benchmark: tanh

**glibc bench 1.0**

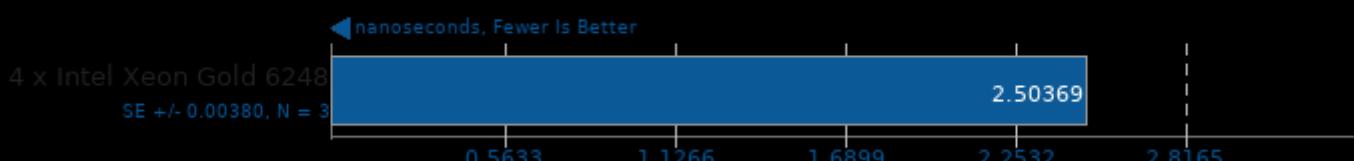
Benchmark: asinh

**glibc bench 1.0**

Benchmark: atanh

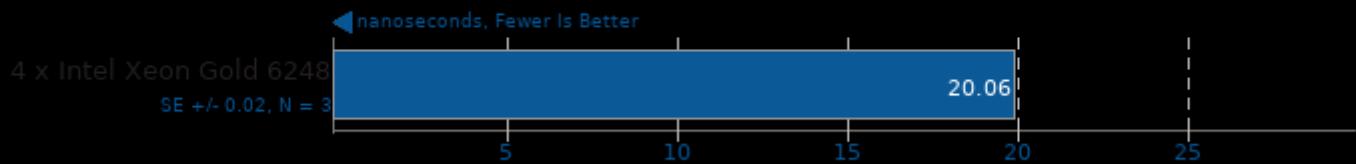
**glibc bench 1.0**

Benchmark: ffsll

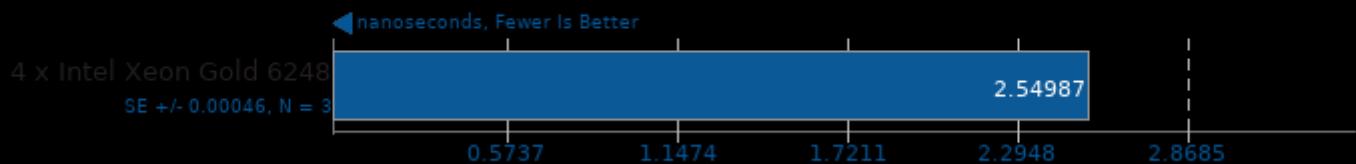


**glibc bench 1.0**

Benchmark: sincos

**glibc bench 1.0**

Benchmark: pthread\_once



*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:59.*