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ituietst326-79-20211006

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Test Systems:

ituietst326-79-20211006

Processor: 2 x Intel Xeon E5-2680 0 @ 2.70GHz (16 Cores / 32 Threads), Motherboard: Cisco UCSC-C220-M3S (C220M3.3.0.4e.0.1106191007 BIOS), Chipset: Intel Xeon E5/Core, Memory: 8 x 16384 MB DDR3-1600MT/s M393B2G70BH0-YK0, Disk: 2396GB MR9266-8i + 12 x 54GB FlashArray, Graphics: Matrox MGA G200e [Pilot], Network: Cisco VIC NIC

OS: CentOS 7.9.2009, Kernel: 3.10.0-1160.6.1.el7.x86_64 (x86_64), Display Server: X Server, Compiler: GCC 9.3.1 20200408, File-System: xfs, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-redhat-linux --disable-libmpx --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,ito --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/opt/rh/devtoolset-9/root/usr/share/man --with-arch_32=x86-64 --with-default-libstdcxx-abi=gcc4-compatible --with-gcc-major-version-only --with-linker-hash-style=gnu --with-tune=generic

Disk Notes: DEADLINE / attr2,inode64,noquota,relatime,rw / Block Size: 4096

Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x71a

Security Notes: itlb_multithit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of Load fences usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full retrpoline IBPB + srbds: Not affected + tsx_async_abort: Not affected

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| | |
|----------------------------------------------|---------|
| LevelDB - Hot Read (us/Op) | 44.397 |
| Standard Deviation | 1.5% |
| LevelDB - Fill Sync (MB/s) | 0.9 |
| Standard Deviation | 20% |
| LevelDB - Fill Sync (us/Op) | 3876 |
| Standard Deviation | 23.4% |
| LevelDB - Overwrite (MB/s) | 17.5 |
| Standard Deviation | 2.4% |
| LevelDB - Overwrite (us/Op) | 202.363 |
| Standard Deviation | 2.5% |
| LevelDB - Rand Fill (MB/s) | 17.7 |
| Standard Deviation | 0.6% |
| LevelDB - Rand Fill (us/Op) | 199.692 |
| Standard Deviation | 0.4% |
| LevelDB - Rand Read (us/Op) | 44.158 |
| Standard Deviation | 0.5% |
| LevelDB - Seek Rand (us/Op) | 68.452 |
| Standard Deviation | 2.3% |
| LevelDB - Rand Delete (us/Op) | 188.140 |
| Standard Deviation | 0.5% |
| LevelDB - Seq Fill (MB/s) | 18.0 |
| Standard Deviation | 0.3% |
| LevelDB - Seq Fill (us/Op) | 196.786 |
| Standard Deviation | 0.3% |
| PostMark - D.T.P (TPS) | 2246 |
| Standard Deviation | 1.9% |
| Tinymembench - Standard Memcpy (MB/s) | 3870 |
| Standard Deviation | 0.7% |
| Tinymembench - Standard Memset (MB/s) | 9136 |
| Standard Deviation | 0.2% |
| MBW - Memory Copy - 128 MiB (MiB/s) | 2921 |
| Standard Deviation | 0.4% |
| MBW - Memory Copy - 512 MiB (MiB/s) | 2926 |
| Standard Deviation | 3.7% |
| MBW - Memory Copy - 1024 MiB (MiB/s) | 2949 |
| Standard Deviation | 0.3% |
| MBW - Memory Copy - 4096 MiB (MiB/s) | 2989 |
| Standard Deviation | 0.1% |
| MBW - Memory Copy - 8192 MiB (MiB/s) | 2938 |
| Standard Deviation | 1.7% |
| MBW - M.C.F.B.S - 128 MiB (MiB/s) | 4996 |
| Standard Deviation | 0.9% |
| MBW - M.C.F.B.S - 512 MiB (MiB/s) | 5047 |
| Standard Deviation | 0.1% |

MBW - M.C.F.B.S - 1024 MiB (MiB/s) 5078
Standard Deviation 0.2%
MBW - M.C.F.B.S - 4096 MiB (MiB/s) 5170
Standard Deviation 0.8%
MBW - M.C.F.B.S - 8192 MiB (MiB/s) 5079
Standard Deviation 2.3%
t-test1 - 1 (sec) 35.744
Standard Deviation 0.4%
t-test1 - 2 (sec) 12.492
Standard Deviation 0.7%
pmbench - 1 - 50% (us - Page Latency) 0.1102
Standard Deviation 2.5%
pmbench - 2 - 50% (us - Page Latency) 0.1273
Standard Deviation 3.8%
pmbench - 4 - 50% (us - Page Latency) 0.1263
Standard Deviation 1.1%
pmbench - 8 - 50% (us - Page Latency) 0.1245
Standard Deviation 1.2%
pmbench - 16 - 50% (us - Page Latency) 0.1244
Standard Deviation 0.9%
pmbench - 32 - 50% (us - Page Latency) 0.1317
Standard Deviation 0.9%
pmbench - 1 - 100% Reads (us - Page Latency) 0.0481
Standard Deviation 2%
pmbench - 2 - 100% Reads (us - Page Latency) 0.0492
Standard Deviation 8.3%
pmbench - 4 - 100% Reads (us - Page Latency) 0.0476
Standard Deviation 0.9%
pmbench - 8 - 100% Reads (us - Page Latency) 0.0499
Standard Deviation 9.6%
pmbench - 1 - 100% Writes (us - Page Latency) 0.0915
Standard Deviation 0.4%
pmbench - 16 - 100% Reads (us - Page Latency) 0.0483
Standard Deviation 6.5%
pmbench - 2 - 100% Writes (us - Page Latency) 0.1088
Standard Deviation 1.3%
pmbench - 32 - 100% Reads (us - Page Latency) 0.0663
Standard Deviation 4%
pmbench - 4 - 100% Writes (us - Page Latency) 0.1071
Standard Deviation 0.5%
pmbench - 8 - 100% Writes (us - Page Latency) 0.1058
Standard Deviation 1.5%
pmbench - 16 - 100% Writes (us - Page Latency) 0.1081
Standard Deviation 1.3%
pmbench - 32 - 100% Writes (us - Page Latency) 0.1151
Standard Deviation 9.3%
pmbench - 1 - 8.R.2.W (us - Page Latency) 0.1160
Standard Deviation 0.1%
pmbench - 2 - 8.R.2.W (us - Page Latency) 0.1337
Standard Deviation 1.1%
pmbench - 4 - 8.R.2.W (us - Page Latency) 0.1320
Standard Deviation 4.8%
pmbench - 8 - 8.R.2.W (us - Page Latency) 0.1311

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|----------------------------------------------------------------------------|--------------------|------|
| | Standard Deviation | 2.9% |
| pmbench - 16 - 8.R.2.W (us - Page Latency) | 0.1290 | |
| | Standard Deviation | 2.1% |
| pmbench - 32 - 8.R.2.W (us - Page Latency) | 0.1396 | |
| | Standard Deviation | 2.1% |
| Ethr - TCP - Latency - 1 (us) | 59.217 | |
| | Standard Deviation | 4.8% |
| Ethr - TCP - Latency - 8 (us) | 58.676 | |
| | Standard Deviation | 3.3% |
| Ethr - TCP - Latency - 32 (us) | 57.686 | |
| | Standard Deviation | 5.7% |
| Ethr - TCP - Latency - 64 (us) | 59.303 | |
| | Standard Deviation | 3.2% |
| Ethr - TCP - Bandwidth - 1 (Gbits/sec) | 11.35 | |
| | Standard Deviation | 1.5% |
| Ethr - TCP - Bandwidth - 8 (Gbits/sec) | 73.58 | |
| | Standard Deviation | 1.1% |
| Ethr - UDP - Bandwidth - 1 (Packets/sec) | 76883 | |
| | Standard Deviation | 0.5% |
| Ethr - UDP - Bandwidth - 8 (Packets/sec) | 545855 | |
| | Standard Deviation | 0.7% |
| Ethr - TCP - Bandwidth - 32 (Gbits/sec) | 139.00 | |
| | Standard Deviation | 0.7% |
| Ethr - TCP - Bandwidth - 64 (Gbits/sec) | 150.11 | |
| | Standard Deviation | 0.2% |
| Ethr - UDP - Bandwidth - 32 (Packets/sec) | 1546133 | |
| | Standard Deviation | 1.1% |
| Ethr - UDP - Bandwidth - 64 (Packets/sec) | 1722000 | |
| Ethr - TCP - Connections/s - 1 (Connections/sec) | 9720 | |
| | Standard Deviation | 0.5% |
| Ethr - TCP - Connections/s - 8 (Connections/sec) | 17939 | |
| | Standard Deviation | 2.4% |
| Ethr - TCP - Connections/s - 32 (Connections/sec) | 17356 | |
| | Standard Deviation | 2.4% |
| Ethr - TCP - Connections/s - 64 (Connections/sec) | 16490 | |
| | Standard Deviation | 4.3% |
| iPerf - 5201 - 10 Seconds - UDP - 100Mbit Objective - 1 (Mbits/s) | 100 | |
| iPerf - 5201 - 10 Seconds - UDP - 1000Mbit Objective - 1 (Mbits/s) | 1000 | |
| iPerf - 5201 - 10 Seconds - UDP - 100Mbit Objective - 32 (Mbits/s) | 3200 | |
| iPerf - 5201 - 10 Seconds - UDP - 100Mbit Objective - 64 (Mbits/s) | 6400 | |
| iPerf - 5201 - 10 Seconds - UDP - 1000Mbit Objective - 32 (Mbits/s) | 13735 | |
| | Standard Deviation | 2.3% |
| iPerf - 5201 - 10 Seconds - UDP - 1000Mbit Objective - 64 (Mbits/s) | 13232 | |
| | Standard Deviation | 0.9% |
| iPerf - 5201 - 10 Seconds - TCP - 1 (Mbits/s) | 30658 | |
| | Standard Deviation | 2.4% |
| iPerf - 5201 - 10 Seconds - UDP - 1 (Mbits/s) | 1.05 | |
| | Standard Deviation | 0% |
| iPerf - 5201 - 10 Seconds - TCP - 32 (Mbits/s) | 29448 | |
| | Standard Deviation | 2.1% |
| iPerf - 5201 - 10 Seconds - TCP - 64 (Mbits/s) | 26424 | |
| | Standard Deviation | 4.9% |

iPerf - 5201 - 10 Seconds - UDP - 32 (Mbits/s) 33.6
Standard Deviation 0%
iPerf - 5201 - 10 Seconds - UDP - 64 (Mbits/s) 67.2
Standard Deviation 0%
perf-bench - Epoll Wait (ops/sec) 10323
Standard Deviation 0.7%
perf-bench - Futex Hash (ops/sec) 791260
Standard Deviation 1.1%
perf-bench - Memcpy 1MB (GB/sec) 2.052735
Standard Deviation 0.1%
perf-bench - Memset 1MB (GB/sec) 23.183979
Standard Deviation 0.2%
perf-bench - Sched Pipe (ops/sec) 102279
Standard Deviation 0.4%
perf-bench - Futex Lock-Pi (ops/sec) 216
Standard Deviation 2.3%
perf-bench - Syscall Basic (ops/sec) 1698696
Standard Deviation 2.3%
OSBench - Create Files (us/Event) 120.175783
Standard Deviation 2.5%
OSBench - Create Threads (us/Event) 20.987193
Standard Deviation 2.2%
OSBench - Launch Programs (us/Event) 205.519994
Standard Deviation 2%
OSBench - Create Processes (us/Event) 48.180898
Standard Deviation 3.3%
OSBench - Memory Allocations (Ns/Event) 148.737033
Standard Deviation 1.5%
IPC_benchmark - TCP Socket - 128 (Messages/sec) 535723
Standard Deviation 0.9%
IPC_benchmark - TCP Socket - 256 (Messages/sec) 509670
Standard Deviation 1.9%
IPC_benchmark - TCP Socket - 512 (Messages/sec) 497054
Standard Deviation 2.4%
IPC_benchmark - TCP Socket - 1024 (Messages/sec) 461523
Standard Deviation 1.4%
IPC_benchmark - TCP Socket - 2048 (Messages/sec) 421889
Standard Deviation 1.9%
IPC_benchmark - TCP Socket - 4096 (Messages/sec) 357110
Standard Deviation 0.3%
IPC_benchmark - Unnamed Pipe - 128 (Messages/sec) 513876
Standard Deviation 2%
IPC_benchmark - Unnamed Pipe - 256 (Messages/sec) 530695
Standard Deviation 0.7%
IPC_benchmark - Unnamed Pipe - 512 (Messages/sec) 530434
Standard Deviation 2.3%
IPC_benchmark - Unnamed Pipe - 1024 (Messages/sec) 518313
Standard Deviation 2%
IPC_benchmark - Unnamed Pipe - 2048 (Messages/sec) 482782
Standard Deviation 2.4%
IPC_benchmark - Unnamed Pipe - 4096 (Messages/sec) 436379
Standard Deviation 1%
IPC_benchmark - FIFO Named Pipe - 128 (Messages/sec) 321632

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| | Standard Deviation | 1.4% |
| IPC_benchmark - FIFO Named Pipe - 256 (Messages/sec) | 321045 | |
| | Standard Deviation | 0.8% |
| IPC_benchmark - FIFO Named Pipe - 512 (Messages/sec) | 323740 | |
| | Standard Deviation | 0.7% |
| IPC_benchmark - FIFO Named Pipe - 1024 (Messages/sec) | 311231 | |
| | Standard Deviation | 2.1% |
| IPC_benchmark - FIFO Named Pipe - 2048 (Messages/sec) | 306429 | |
| | Standard Deviation | 0.7% |
| IPC_benchmark - FIFO Named Pipe - 4096 (Messages/sec) | 299242 | |
| | Standard Deviation | 1.5% |
| IPC_benchmark - U.U.D.S - 128 (Messages/sec) | 450285 | |
| | Standard Deviation | 0.9% |
| IPC_benchmark - U.U.D.S - 256 (Messages/sec) | 447972 | |
| | Standard Deviation | 0.6% |
| IPC_benchmark - U.U.D.S - 512 (Messages/sec) | 450607 | |
| | Standard Deviation | 1.5% |
| IPC_benchmark - U.U.D.S - 1024 (Messages/sec) | 433034 | |
| | Standard Deviation | 1.6% |
| IPC_benchmark - U.U.D.S - 2048 (Messages/sec) | 430426 | |
| | Standard Deviation | 2.4% |
| IPC_benchmark - U.U.D.S - 4096 (Messages/sec) | 368765 | |
| | Standard Deviation | 2.4% |
| Hackbench - 1 - Thread (sec) | 7.380 | |
| | Standard Deviation | 1.1% |
| Hackbench - 2 - Thread (sec) | 11.697 | |
| | Standard Deviation | 0.4% |
| Hackbench - 4 - Thread (sec) | 22.781 | |
| | Standard Deviation | 0.5% |
| Hackbench - 8 - Thread (sec) | 47.291 | |
| | Standard Deviation | 2.4% |
| Hackbench - 1 - Process (sec) | 6.838 | |
| | Standard Deviation | 2.1% |
| Hackbench - 16 - Thread (sec) | 76.882 | |
| | Standard Deviation | 1.6% |
| Hackbench - 2 - Process (sec) | 11.296 | |
| | Standard Deviation | 0.3% |
| Hackbench - 32 - Thread (sec) | 153.880 | |
| | Standard Deviation | 1.1% |
| Hackbench - 4 - Process (sec) | 22.328 | |
| | Standard Deviation | 0.6% |
| Hackbench - 8 - Process (sec) | 46.415 | |
| | Standard Deviation | 2% |
| Hackbench - 16 - Process (sec) | 79.461 | |
| | Standard Deviation | 2.4% |
| Hackbench - 32 - Process (sec) | 156.586 | |
| | Standard Deviation | 2.7% |
| OpenSSL - SHA256 (byte/s) | 2683528017 | |
| | Standard Deviation | 0.3% |
| OpenSSL - RSA4096 (sign/s) | 1624 | |
| | Standard Deviation | 0.1% |
| OpenSSL - RSA4096 (verify/s) | 106065 | |
| | Standard Deviation | 0.1% |

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| PostgreSQL - 1 - 1 - Read Only (TPS) | 22182 |
| Standard Deviation | 0.5% |
| PostgreSQL - 1 - 1 - Read Only - Average Latency (ms) | 0.045 |
| Standard Deviation | 0% |
| PostgreSQL - 1 - 1 - Read Write (TPS) | 2538 |
| Standard Deviation | 1.7% |
| PostgreSQL - 1 - 1 - Read Write - Average Latency (ms) | 0.394 |
| Standard Deviation | 1.7% |
| PostgreSQL - 1 - 50 - Read Only (TPS) | 380272 |
| Standard Deviation | 0.3% |
| PostgreSQL - 1 - 50 - Read Only - Average Latency (ms) | 0.131 |
| Standard Deviation | 0.4% |
| PostgreSQL - 1 - 100 - Read Only (TPS) | 384009 |
| Standard Deviation | 0.5% |
| PostgreSQL - 1 - 100 - Read Only - Average Latency (ms) | 0.260 |
| Standard Deviation | 0.6% |
| PostgreSQL - 1 - 250 - Read Only (TPS) | 388243 |
| Standard Deviation | 0.2% |
| PostgreSQL - 1 - 250 - Read Only - Average Latency (ms) | 0.644 |
| Standard Deviation | 0.2% |
| PostgreSQL - 1 - 50 - Read Write (TPS) | 3768 |
| Standard Deviation | 0.5% |
| PostgreSQL - 1 - 50 - Read Write - Average Latency (ms) | 13.269 |
| Standard Deviation | 0.5% |
| PostgreSQL - 1 - 500 - Read Only (TPS) | 384901 |
| Standard Deviation | 0.1% |
| PostgreSQL - 1 - 500 - Read Only - Average Latency (ms) | 1.299 |
| Standard Deviation | 0.1% |
| PostgreSQL - 1 - 800 - Read Only (TPS) | 384134 |
| Standard Deviation | 0.1% |
| PostgreSQL - 1 - 800 - Read Only - Average Latency (ms) | 2.082 |
| Standard Deviation | 0.1% |
| PostgreSQL - 100 - 1 - Read Only (TPS) | 20443 |
| Standard Deviation | 0.7% |
| PostgreSQL - 100 - 1 - Read Only - Average Latency (ms) | 0.049 |
| Standard Deviation | 0% |
| PostgreSQL - 1 - 100 - Read Write (TPS) | 2700 |
| Standard Deviation | 0.2% |
| PostgreSQL - 1 - 100 - Read Write - Average Latency (ms) | 37.031 |
| Standard Deviation | 0.2% |
| PostgreSQL - 1 - 1000 - Read Only (TPS) | 384131 |
| Standard Deviation | 0.7% |
| PostgreSQL - 1 - 1000 - Read Only - Average Latency (ms) | 2.603 |
| Standard Deviation | 0.7% |
| PostgreSQL - 1 - 250 - Read Write (TPS) | 1250 |
| Standard Deviation | 1.1% |
| PostgreSQL - 1 - 250 - Read Write - Average Latency (ms) | 199.939 |
| Standard Deviation | 1.1% |
| PostgreSQL - 1 - 500 - Read Write (TPS) | 448 |
| Standard Deviation | 18.4% |
| PostgreSQL - 1 - 500 - Read Write - Average Latency (ms) | 1160 |
| Standard Deviation | 23% |
| PostgreSQL - 1 - 5000 - Read Only (TPS) | 283287 |

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| PostgreSQL - 1 - 5000 - Read Only - Average Latency (ms) | 17.671 | Standard Deviation 3.6% |
| PostgreSQL - 1 - 800 - Read Write (TPS) | 308 | Standard Deviation 3.6% |
| PostgreSQL - 1 - 800 - Read Write - Average Latency (ms) | 2640 | Standard Deviation 12.5% |
| PostgreSQL - 100 - 1 - Read Write (TPS) | 2258 | Standard Deviation 13.9% |
| PostgreSQL - 100 - 1 - Read Write - Average Latency (ms) | 0.444 | Standard Deviation 3.5% |
| PostgreSQL - 100 - 50 - Read Only (TPS) | 357288 | Standard Deviation 3.6% |
| PostgreSQL - 100 - 50 - Read Only - Average Latency (ms) | 0.14 | Standard Deviation 0.1% |
| PostgreSQL - 1000 - 1 - Read Only (TPS) | 16387 | Standard Deviation 0% |
| PostgreSQL - 1000 - 1 - Read Only - Average Latency (ms) | 0.061 | Standard Deviation 1% |
| PostgreSQL - 1 - 1000 - Read Write (TPS) | 266 | Standard Deviation 0.9% |
| PostgreSQL - 1 - 1000 - Read Write - Average Latency (ms) | 3837 | Standard Deviation 15.8% |
| PostgreSQL - 1 - 5000 - Read Write (TPS) | 122 | Standard Deviation 14.9% |
| PostgreSQL - 1 - 5000 - Read Write - Average Latency (ms) | 40935 | Standard Deviation 1.9% |
| PostgreSQL - 100 - 100 - Read Only (TPS) | 349373 | Standard Deviation 1.8% |
| PostgreSQL - 100 - 100 - Read Only - Average Latency (ms) | 0.286 | Standard Deviation 0.2% |
| PostgreSQL - 100 - 250 - Read Only (TPS) | 355355 | Standard Deviation 0.2% |
| PostgreSQL - 100 - 250 - Read Only - Average Latency (ms) | 0.704 | Standard Deviation 0.1% |
| PostgreSQL - 100 - 50 - Read Write (TPS) | 7933 | Standard Deviation 0.1% |
| PostgreSQL - 100 - 50 - Read Write - Average Latency (ms) | 6.367 | Standard Deviation 10.3% |
| PostgreSQL - 100 - 500 - Read Only (TPS) | 349866 | Standard Deviation 11% |
| PostgreSQL - 100 - 500 - Read Only - Average Latency (ms) | 1.429 | Standard Deviation 0.8% |
| PostgreSQL - 100 - 800 - Read Only (TPS) | 345228 | Standard Deviation 0.8% |
| PostgreSQL - 100 - 800 - Read Only - Average Latency (ms) | 2.318 | Standard Deviation 0.9% |
| PostgreSQL - 1000 - 1 - Read Write (TPS) | 1668 | Standard Deviation 0.9% |
| PostgreSQL - 1000 - 1 - Read Write - Average Latency (ms) | 0.608 | Standard Deviation 12.2% |
| PostgreSQL - 1000 - 50 - Read Only (TPS) | 299457 | Standard Deviation 13.2% |
| | | Standard Deviation 0.5% |

PostgreSQL - 1000 - 50 - Read Only - Average Latency (ms) 0.167
Standard Deviation 0.6%
PostgreSQL - 10000 - 1 - Read Only (TPS) 431
Standard Deviation 1.3%
PostgreSQL - 10000 - 1 - Read Only - Average Latency (ms) 2.323
Standard Deviation 1.2%
PostgreSQL - 25000 - 1 - Read Only (TPS) 141
Standard Deviation 6.1%
PostgreSQL - 25000 - 1 - Read Only - Average Latency (ms) 7.102
Standard Deviation 5.9%
PostgreSQL - 100 - 100 - Read Write (TPS) 8115
Standard Deviation 8%
PostgreSQL - 100 - 100 - Read Write - Average Latency (ms) 12.392
Standard Deviation 7.7%
PostgreSQL - 100 - 1000 - Read Only (TPS) 341234
Standard Deviation 2.2%
PostgreSQL - 100 - 1000 - Read Only - Average Latency (ms) 2.931
Standard Deviation 2.2%
PostgreSQL - 100 - 250 - Read Write (TPS) 7157
Standard Deviation 8.9%
PostgreSQL - 100 - 250 - Read Write - Average Latency (ms) 35.202
Standard Deviation 9.5%
PostgreSQL - 100 - 500 - Read Write (TPS) 6314
Standard Deviation 10.9%
PostgreSQL - 100 - 500 - Read Write - Average Latency (ms) 80.067
Standard Deviation 11.4%
PostgreSQL - 100 - 5000 - Read Only (TPS) 257577
Standard Deviation 4.7%
PostgreSQL - 100 - 5000 - Read Only - Average Latency (ms) 19.451
Standard Deviation 4.7%
PostgreSQL - 100 - 800 - Read Write (TPS) 5452
Standard Deviation 1.1%
PostgreSQL - 100 - 800 - Read Write - Average Latency (ms) 146.746
Standard Deviation 1.1%
PostgreSQL - 1000 - 100 - Read Only (TPS) 279055
Standard Deviation 0.1%
PostgreSQL - 1000 - 100 - Read Only - Average Latency (ms) 0.359
Standard Deviation 0.2%
PostgreSQL - 1000 - 250 - Read Only (TPS) 272062
Standard Deviation 0.2%
PostgreSQL - 1000 - 250 - Read Only - Average Latency (ms) 0.919
Standard Deviation 0.2%
PostgreSQL - 1000 - 50 - Read Write (TPS) 1351
Standard Deviation 1.3%
PostgreSQL - 1000 - 50 - Read Write - Average Latency (ms) 37.013
Standard Deviation 1.3%
PostgreSQL - 1000 - 500 - Read Only (TPS) 259954
Standard Deviation 0.3%
PostgreSQL - 1000 - 500 - Read Only - Average Latency (ms) 1.923
Standard Deviation 0.3%
PostgreSQL - 1000 - 800 - Read Only (TPS) 242435
Standard Deviation 0.2%
PostgreSQL - 1000 - 800 - Read Only - Average Latency (ms) 3.300

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|--------------------------------------------------------------------|--------------------|-------|
| | Standard Deviation | 0.2% |
| PostgreSQL - 10000 - 1 - Read Write (TPS) | 302 | |
| | Standard Deviation | 2% |
| PostgreSQL - 10000 - 1 - Read Write - Average Latency (ms) | 3.312 | |
| | Standard Deviation | 2% |
| PostgreSQL - 10000 - 50 - Read Only (TPS) | 6230 | |
| | Standard Deviation | 0% |
| PostgreSQL - 10000 - 50 - Read Only - Average Latency (ms) | 8.025 | |
| | Standard Deviation | 0% |
| PostgreSQL - 25000 - 1 - Read Write (TPS) | 128 | |
| | Standard Deviation | 10.1% |
| PostgreSQL - 25000 - 1 - Read Write - Average Latency (ms) | 7.857 | |
| | Standard Deviation | 9.8% |
| PostgreSQL - 25000 - 50 - Read Only (TPS) | 2114 | |
| | Standard Deviation | 2% |
| PostgreSQL - 25000 - 50 - Read Only - Average Latency (ms) | 23.655 | |
| | Standard Deviation | 2% |
| PostgreSQL - 100 - 1000 - Read Write (TPS) | 7325 | |
| | Standard Deviation | 11.7% |
| PostgreSQL - 100 - 1000 - Read Write - Average Latency (ms) | 138.427 | |
| | Standard Deviation | 13.2% |
| PostgreSQL - 100 - 5000 - Read Write (TPS) | 2036 | |
| | Standard Deviation | 7.2% |
| PostgreSQL - 100 - 5000 - Read Write - Average Latency (ms) | 2467 | |
| | Standard Deviation | 7.1% |
| PostgreSQL - 1000 - 100 - Read Write (TPS) | 1567 | |
| | Standard Deviation | 5.8% |
| PostgreSQL - 1000 - 100 - Read Write - Average Latency (ms) | 64.004 | |
| | Standard Deviation | 5.4% |
| PostgreSQL - 1000 - 1000 - Read Only (TPS) | 233513 | |
| | Standard Deviation | 1.6% |
| PostgreSQL - 1000 - 1000 - Read Only - Average Latency (ms) | 4.283 | |
| | Standard Deviation | 1.6% |
| PostgreSQL - 1000 - 250 - Read Write (TPS) | 2084 | |
| | Standard Deviation | 2.9% |
| PostgreSQL - 1000 - 250 - Read Write - Average Latency (ms) | 120.067 | |
| | Standard Deviation | 3% |
| PostgreSQL - 1000 - 500 - Read Write (TPS) | 2848 | |
| | Standard Deviation | 2.1% |
| PostgreSQL - 1000 - 500 - Read Write - Average Latency (ms) | 175.583 | |
| | Standard Deviation | 2% |
| PostgreSQL - 1000 - 5000 - Read Only (TPS) | 171768 | |
| | Standard Deviation | 1% |
| PostgreSQL - 1000 - 5000 - Read Only - Average Latency (ms) | 29.111 | |
| | Standard Deviation | 1% |
| PostgreSQL - 1000 - 800 - Read Write (TPS) | 3748 | |
| | Standard Deviation | 4.4% |
| PostgreSQL - 1000 - 800 - Read Write - Average Latency (ms) | 213.798 | |
| | Standard Deviation | 4.4% |
| PostgreSQL - 10000 - 100 - Read Only (TPS) | 7739 | |
| | Standard Deviation | 2.1% |
| PostgreSQL - 10000 - 100 - Read Only - Average Latency (ms) | 12.926 | |
| | Standard Deviation | 2.2% |

| | | | |
|---------------------------------------------------------------------|---------|--------------------|------|
| PostgreSQL - 10000 - 250 - Read Only (TPS) | 8101 | Standard Deviation | 1.2% |
| PostgreSQL - 10000 - 250 - Read Only - Average Latency (ms) | 30.863 | Standard Deviation | 1.2% |
| PostgreSQL - 10000 - 50 - Read Write (TPS) | 1219 | Standard Deviation | 0.8% |
| PostgreSQL - 10000 - 50 - Read Write - Average Latency (ms) | 41.015 | Standard Deviation | 0.8% |
| PostgreSQL - 10000 - 500 - Read Only (TPS) | 8389 | Standard Deviation | 2.5% |
| PostgreSQL - 10000 - 500 - Read Only - Average Latency (ms) | 59.631 | Standard Deviation | 2.4% |
| PostgreSQL - 10000 - 800 - Read Only (TPS) | 8505 | Standard Deviation | 2.2% |
| PostgreSQL - 10000 - 800 - Read Only - Average Latency (ms) | 94.101 | Standard Deviation | 2.2% |
| PostgreSQL - 25000 - 100 - Read Only (TPS) | 2380 | Standard Deviation | 9.6% |
| PostgreSQL - 25000 - 100 - Read Only - Average Latency (ms) | 42.257 | Standard Deviation | 9.1% |
| PostgreSQL - 25000 - 250 - Read Only (TPS) | 2434 | Standard Deviation | 1.6% |
| PostgreSQL - 25000 - 250 - Read Only - Average Latency (ms) | 102.747 | Standard Deviation | 1.6% |
| PostgreSQL - 25000 - 50 - Read Write (TPS) | 833 | Standard Deviation | 1.8% |
| PostgreSQL - 25000 - 50 - Read Write - Average Latency (ms) | 60.039 | Standard Deviation | 1.8% |
| PostgreSQL - 25000 - 500 - Read Only (TPS) | 2430 | Standard Deviation | 0.3% |
| PostgreSQL - 25000 - 500 - Read Only - Average Latency (ms) | 205.795 | Standard Deviation | 0.3% |
| PostgreSQL - 25000 - 800 - Read Only (TPS) | 2738 | Standard Deviation | 4% |
| PostgreSQL - 25000 - 800 - Read Only - Average Latency (ms) | 292.530 | Standard Deviation | 4% |
| PostgreSQL - 1000 - 1000 - Read Write (TPS) | 4260 | Standard Deviation | 6.1% |
| PostgreSQL - 1000 - 1000 - Read Write - Average Latency (ms) | 235.521 | Standard Deviation | 6.4% |
| PostgreSQL - 1000 - 5000 - Read Write (TPS) | 4946 | Standard Deviation | 3% |
| PostgreSQL - 1000 - 5000 - Read Write - Average Latency (ms) | 1012 | Standard Deviation | 2.9% |
| PostgreSQL - 10000 - 100 - Read Write (TPS) | 2016 | Standard Deviation | 8.3% |
| PostgreSQL - 10000 - 100 - Read Write - Average Latency (ms) | 49.909 | Standard Deviation | 8.7% |
| PostgreSQL - 10000 - 1000 - Read Only (TPS) | 8391 | Standard Deviation | 2.4% |
| PostgreSQL - 10000 - 1000 - Read Only - Average Latency (ms) | 119.217 | Standard Deviation | 2.5% |
| PostgreSQL - 10000 - 250 - Read Write (TPS) | 4062 | | |

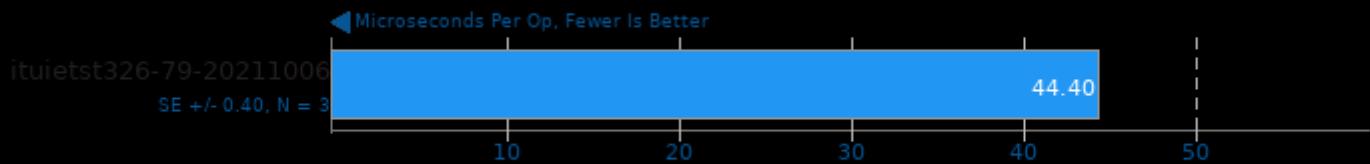
| | | |
|----------------------------------------------------------------------|--------------------|-------|
| | Standard Deviation | 10.9% |
| PostgreSQL - 10000 - 250 - Read Write - Average Latency (ms) | 62.207 | |
| | Standard Deviation | 11.7% |
| PostgreSQL - 10000 - 500 - Read Write (TPS) | 4172 | |
| | Standard Deviation | 9.9% |
| PostgreSQL - 10000 - 500 - Read Write - Average Latency (ms) | 120.874 | |
| | Standard Deviation | 10.2% |
| PostgreSQL - 10000 - 5000 - Read Only (TPS) | 8102 | |
| | Standard Deviation | 0.2% |
| PostgreSQL - 10000 - 5000 - Read Only - Average Latency (ms) | 617.169 | |
| | Standard Deviation | 0.2% |
| PostgreSQL - 10000 - 800 - Read Write (TPS) | 4421 | |
| | Standard Deviation | 5.1% |
| PostgreSQL - 10000 - 800 - Read Write - Average Latency (ms) | 181.367 | |
| | Standard Deviation | 5.2% |
| PostgreSQL - 25000 - 100 - Read Write (TPS) | 927 | |
| | Standard Deviation | 3.2% |
| PostgreSQL - 25000 - 100 - Read Write - Average Latency (ms) | 107.912 | |
| | Standard Deviation | 3.2% |
| PostgreSQL - 25000 - 1000 - Read Only (TPS) | 2684 | |
| | Standard Deviation | 5.7% |
| PostgreSQL - 25000 - 1000 - Read Only - Average Latency (ms) | 373.414 | |
| | Standard Deviation | 5.9% |
| PostgreSQL - 25000 - 250 - Read Write (TPS) | 1710 | |
| | Standard Deviation | 5.1% |
| PostgreSQL - 25000 - 250 - Read Write - Average Latency (ms) | 146.488 | |
| | Standard Deviation | 5% |
| PostgreSQL - 25000 - 500 - Read Write (TPS) | 1973 | |
| | Standard Deviation | 5.2% |
| PostgreSQL - 25000 - 500 - Read Write - Average Latency (ms) | 253.930 | |
| | Standard Deviation | 5.4% |
| PostgreSQL - 25000 - 5000 - Read Only (TPS) | 2503 | |
| | Standard Deviation | 6.3% |
| PostgreSQL - 25000 - 5000 - Read Only - Average Latency (ms) | 2003 | |
| | Standard Deviation | 6.4% |
| PostgreSQL - 25000 - 800 - Read Write (TPS) | 2045 | |
| | Standard Deviation | 2.2% |
| PostgreSQL - 25000 - 800 - Read Write - Average Latency (ms) | 391.421 | |
| | Standard Deviation | 2.3% |
| PostgreSQL - 10000 - 1000 - Read Write (TPS) | 4504 | |
| | Standard Deviation | 3.5% |
| PostgreSQL - 10000 - 1000 - Read Write - Average Latency (ms) | 222.277 | |
| | Standard Deviation | 3.5% |
| PostgreSQL - 10000 - 5000 - Read Write (TPS) | 4147 | |
| | Standard Deviation | 10.4% |
| PostgreSQL - 10000 - 5000 - Read Write - Average Latency (ms) | 1218 | |
| | Standard Deviation | 10.8% |
| PostgreSQL - 25000 - 1000 - Read Write (TPS) | 2070 | |
| | Standard Deviation | 1.4% |
| PostgreSQL - 25000 - 1000 - Read Write - Average Latency (ms) | 483.245 | |
| | Standard Deviation | 1.4% |
| PostgreSQL - 25000 - 5000 - Read Write (TPS) | 1948 | |
| | Standard Deviation | 8.5% |

| | |
|----------------------------------------------------------------------|---------|
| PostgreSQL - 25000 - 5000 - Read Write - Average Latency (ms) | 2578 |
| Standard Deviation | 8.1% |
| SQLite Speedtest - Timed Time - Size 1,000 (sec) | 182.822 |
| Standard Deviation | 0.7% |
| BenchmarkMutex - S.M.L.S (ns) | 61.2 |
| Standard Deviation | 0.2% |
| BenchmarkMutex - M.L.U.s (ns) | 74.4 |
| Standard Deviation | 0.1% |
| BenchmarkMutex - M.L.U.s.m (ns) | 54.4 |
| Standard Deviation | 2.7% |
| BenchmarkMutex - M.L.U.s.m (ns) | 35.7 |
| Standard Deviation | 4.6% |
| BenchmarkMutex - S.R.A.A (ns) | 29.0 |
| Standard Deviation | 0.7% |
| BenchmarkMutex - M.L.U.s (ns) | 80.6 |
| Standard Deviation | 0.1% |
| BenchmarkMutex - M.L.U.p (ns) | 30.0 |
| Standard Deviation | 2.2% |
| BenchmarkMutex - M.L.U.t (ns) | 51.2 |
| Standard Deviation | 2.1% |
| Stress-NG - MMAP (Bogo Ops/s) | 422.74 |
| Standard Deviation | 0.8% |
| Stress-NG - NUMA (Bogo Ops/s) | 14.91 |
| Standard Deviation | 6% |
| Stress-NG - Futex (Bogo Ops/s) | 13105 |
| Standard Deviation | 1.1% |
| Stress-NG - Mutex (Bogo Ops/s) | 991606 |
| Standard Deviation | 2.2% |
| Stress-NG - Atomic (Bogo Ops/s) | 120896 |
| Standard Deviation | 1.8% |
| Stress-NG - Crypto (Bogo Ops/s) | 7754 |
| Standard Deviation | 0.4% |
| Stress-NG - Malloc (Bogo Ops/s) | 8107744 |
| Standard Deviation | 1.4% |
| Stress-NG - Forking (Bogo Ops/s) | 11165 |
| Standard Deviation | 0.2% |
| Stress-NG - SENDFILE (Bogo Ops/s) | 171981 |
| Standard Deviation | 0.5% |
| Stress-NG - CPU Cache (Bogo Ops/s) | 48.60 |
| Standard Deviation | 6.6% |
| Stress-NG - CPU Stress (Bogo Ops/s) | 18607 |
| Standard Deviation | 1.3% |
| Stress-NG - Semaphores (Bogo Ops/s) | 2905413 |
| Standard Deviation | 0.1% |
| Stress-NG - Matrix Math (Bogo Ops/s) | 43293 |
| Standard Deviation | 0.5% |
| Stress-NG - Vector Math (Bogo Ops/s) | 36728 |
| Standard Deviation | 0% |
| Stress-NG - Memory Copying (Bogo Ops/s) | 2458 |
| Standard Deviation | 0.5% |
| Stress-NG - Socket Activity (Bogo Ops/s) | 8326 |
| Standard Deviation | 0.9% |
| Stress-NG - Context Switching (Bogo Ops/s) | 2982898 |

Standard Deviation 6.2%
Stress-NG - G.C.S.F (Bogo Ops/s) 797994
Standard Deviation 0.8%
Stress-NG - G.Q.D.S (Bogo Ops/s) 137.71
Standard Deviation 0.2%
Stress-NG - S.V.M.P (Bogo Ops/s) 3348531
Standard Deviation 0.3%
ctx_clock - C.S.T (Clocks) 1537
Standard Deviation 2.1%
Schbench - 8 - 4 (usec, 50.0th Latency Percentile) 28
Schbench - 8 - 4 (usec, 75.0th Latency Percentile) 42
Standard Deviation 2.4%
Schbench - 8 - 4 (usec, 90.0th Latency Percentile) 115
Standard Deviation 64%
Schbench - 8 - 4 (usec, 99.9th Latency Percentile) 15429
Standard Deviation 14.3%

LevelDB 1.22

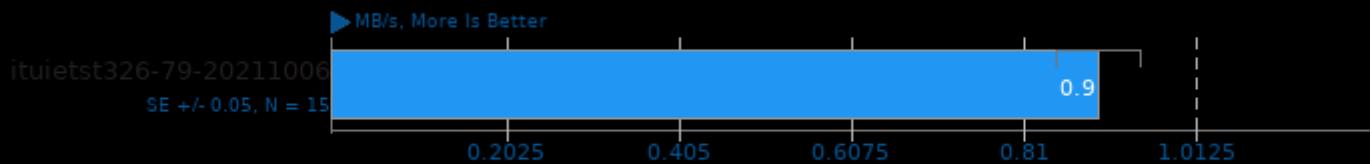
Benchmark: Hot Read



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

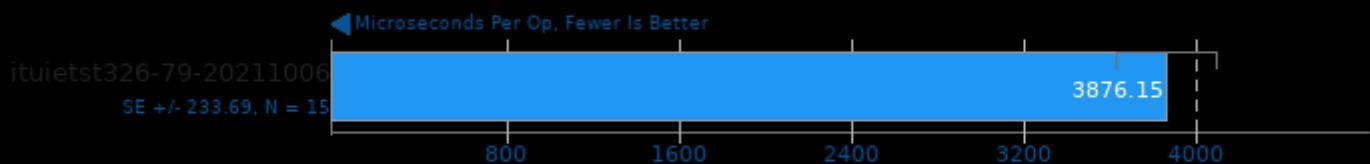
Benchmark: Fill Sync



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

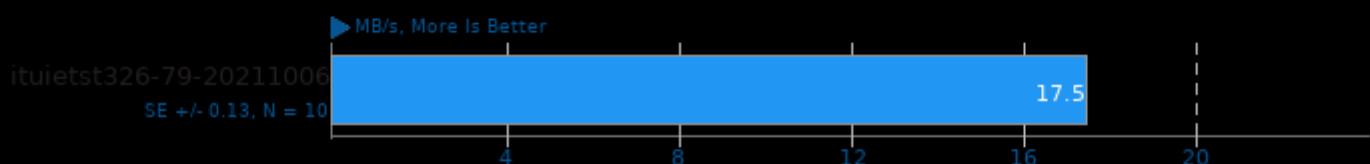
Benchmark: Fill Sync



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

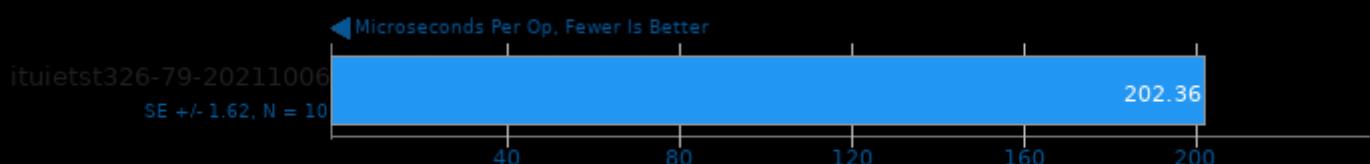
Benchmark: Overwrite



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

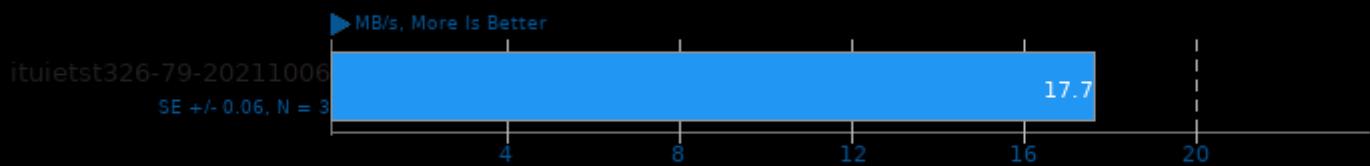
Benchmark: Overwrite



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

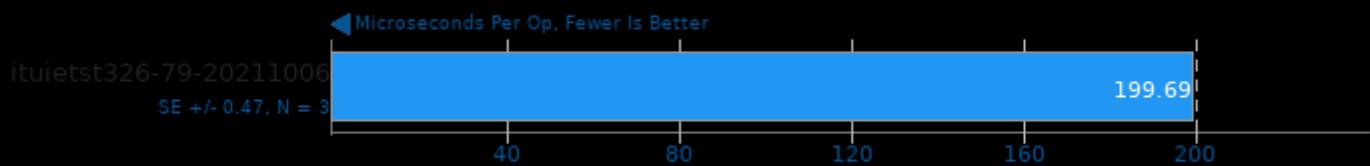
Benchmark: Random Fill



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

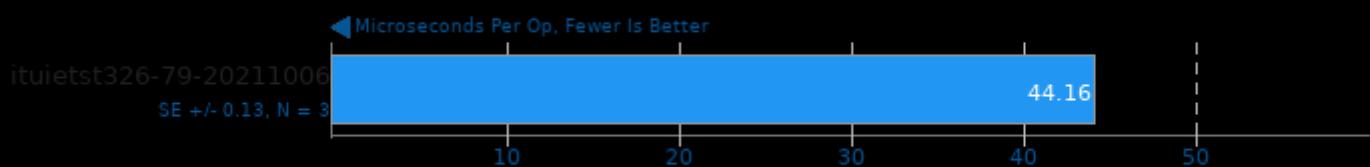
Benchmark: Random Fill



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

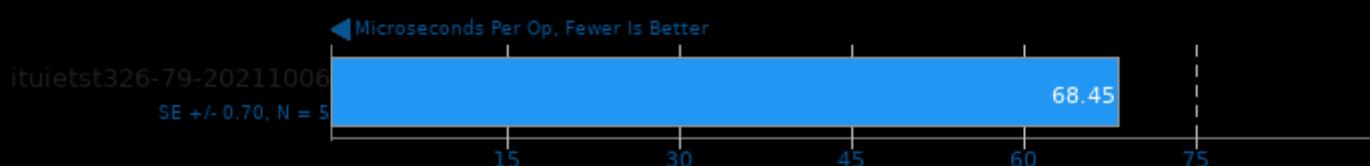
Benchmark: Random Read



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

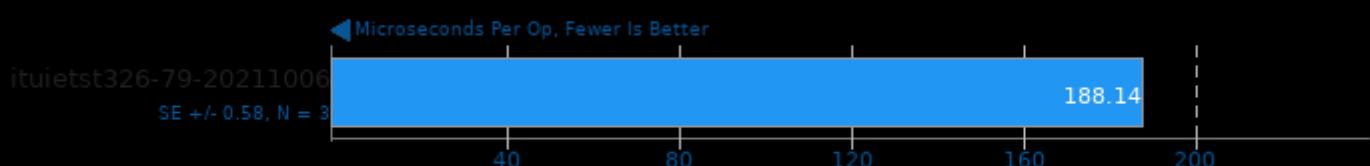
Benchmark: Seek Random



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

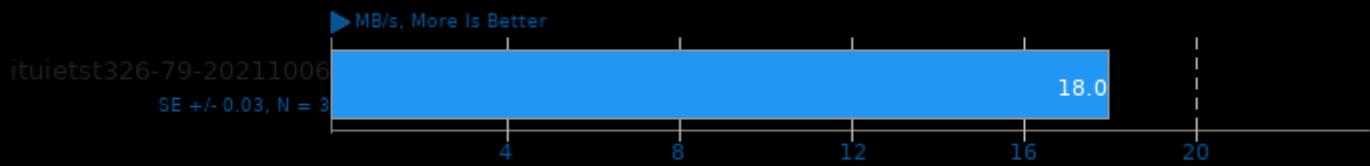
Benchmark: Random Delete



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

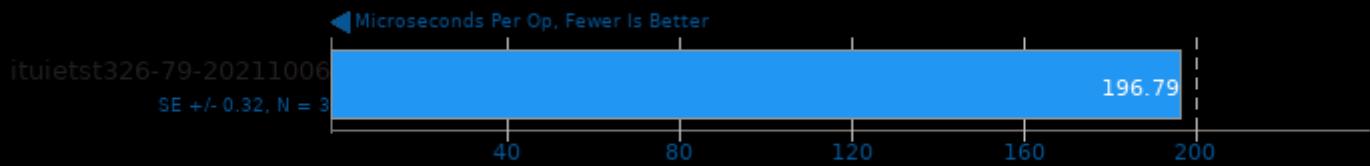
Benchmark: Sequential Fill



1. (CXX) g++ options: -O2 -lsnappy -lpthread

LevelDB 1.22

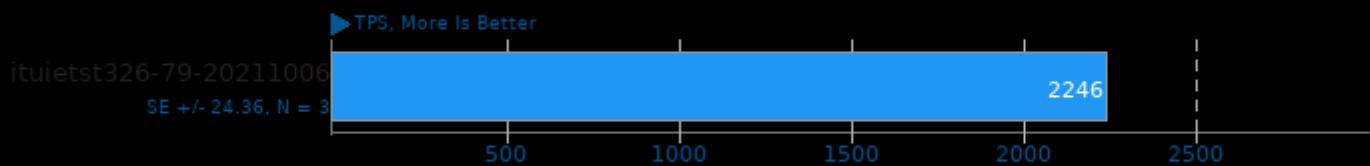
Benchmark: Sequential Fill



1. (CXX) g++ options: -O2 -lsnappy -lpthread

PostMark 1.51

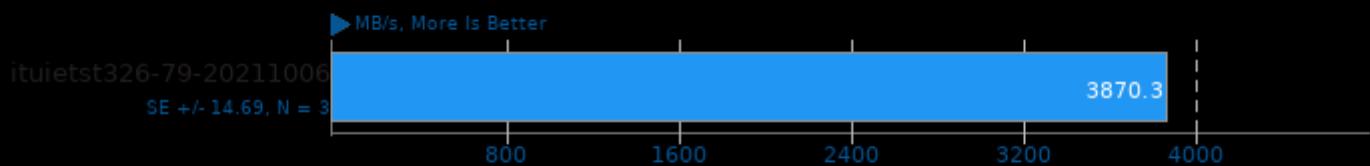
Disk Transaction Performance



1. (CC) gcc options: -O3

Tinymembench 2018-05-28

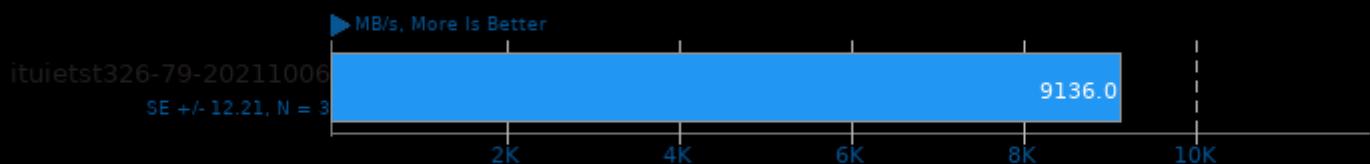
Standard Memcpy



1. (CC) gcc options: -O2 -lm

Tinymembench 2018-05-28

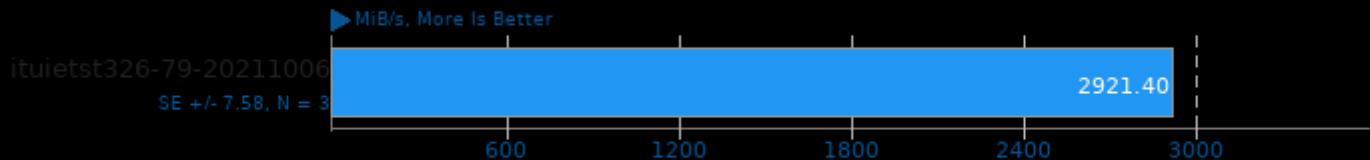
Standard Memset



1. (CC) gcc options: -O2 -lm

MBW 2018-09-08

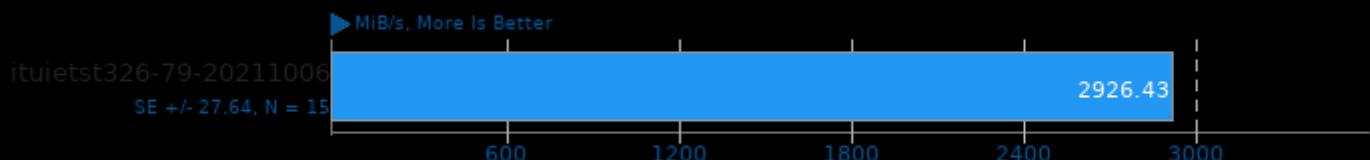
Test: Memory Copy - Array Size: 128 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

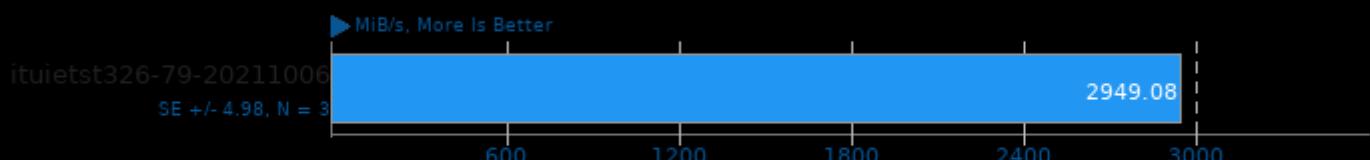
Test: Memory Copy - Array Size: 512 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

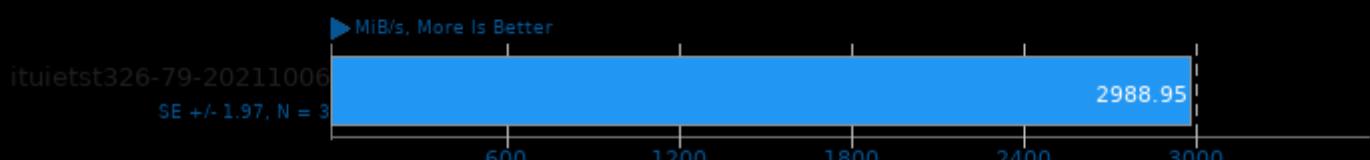
Test: Memory Copy - Array Size: 1024 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

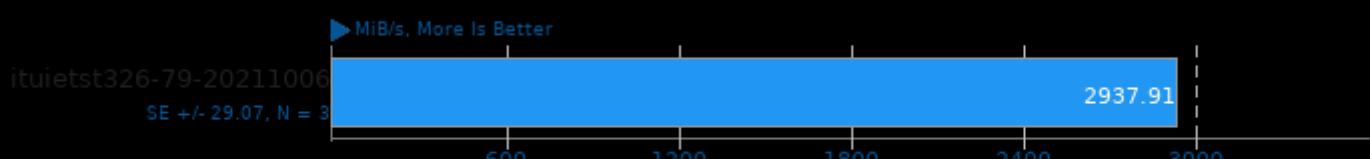
Test: Memory Copy - Array Size: 4096 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

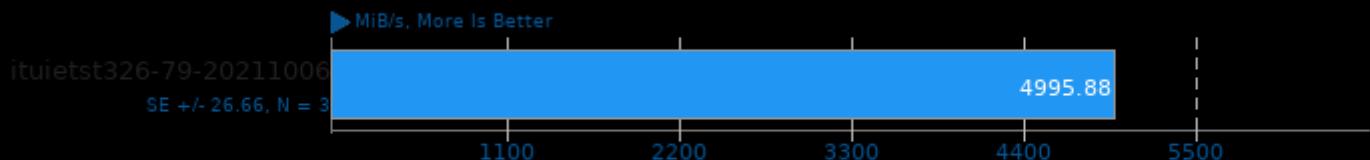
Test: Memory Copy - Array Size: 8192 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

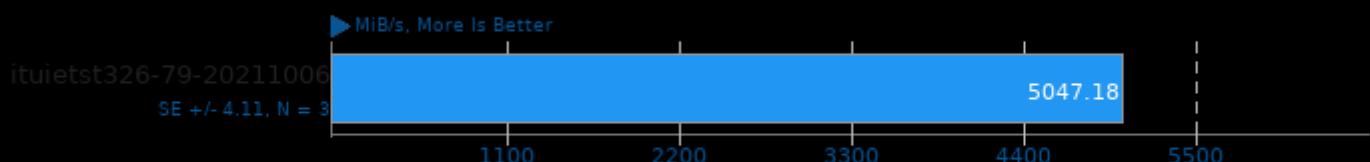
Test: Memory Copy, Fixed Block Size - Array Size: 128 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

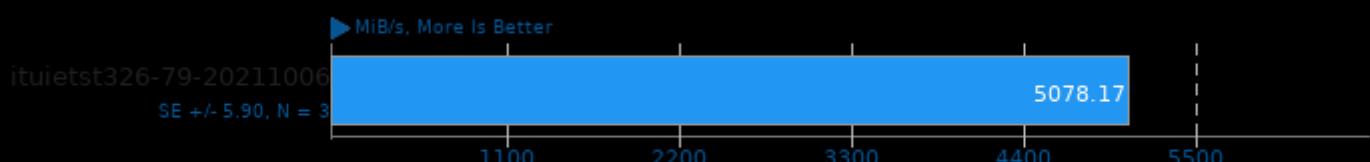
Test: Memory Copy, Fixed Block Size - Array Size: 512 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

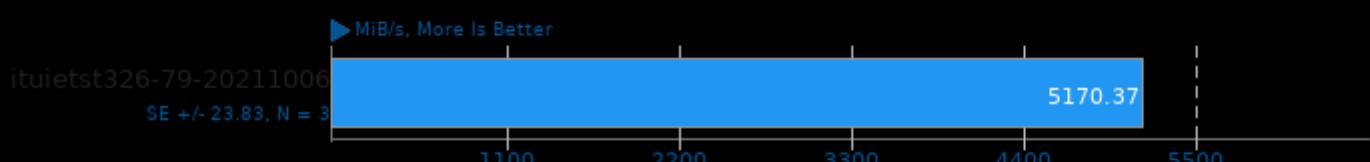
Test: Memory Copy, Fixed Block Size - Array Size: 1024 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

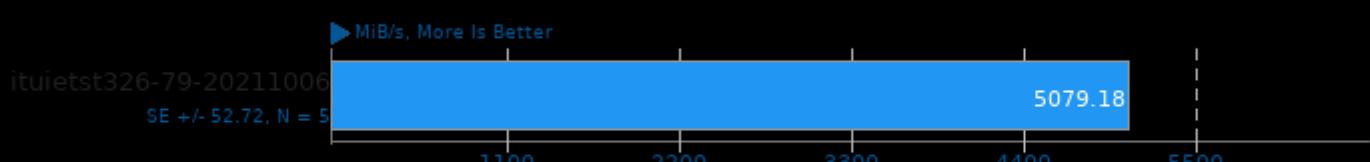
Test: Memory Copy, Fixed Block Size - Array Size: 4096 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

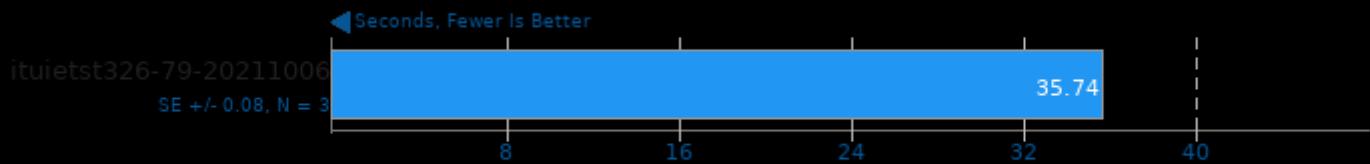
Test: Memory Copy, Fixed Block Size - Array Size: 8192 MiB



1. (CC) gcc options: -O3 -march=native

t-test1 2017-01-13

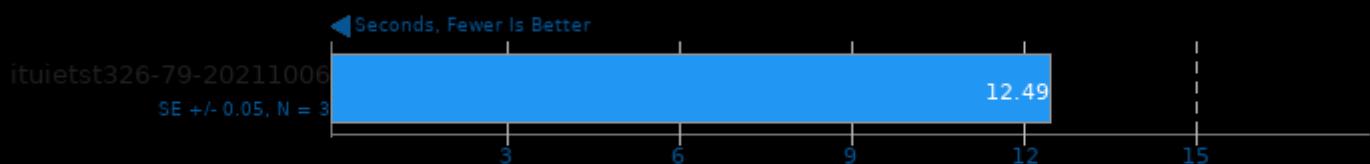
Threads: 1



1. (CC) gcc options: -pthread

t-test1 2017-01-13

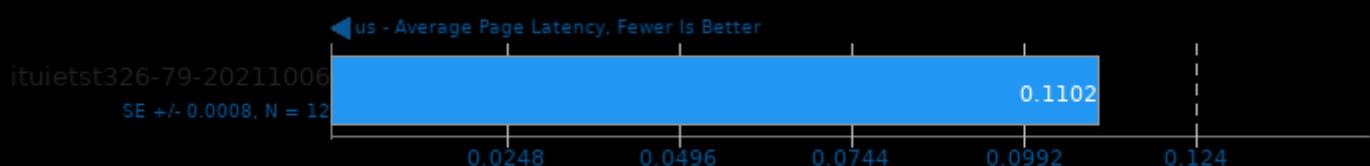
Threads: 2



1. (CC) gcc options: -pthread

pmbench

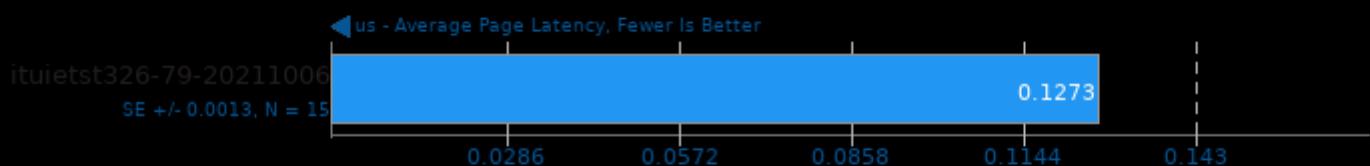
Concurrent Worker Threads: 1 - Read-Write Ratio: 50%



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

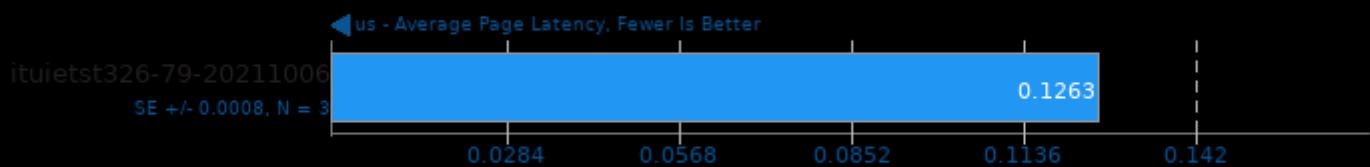
Concurrent Worker Threads: 2 - Read-Write Ratio: 50%



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

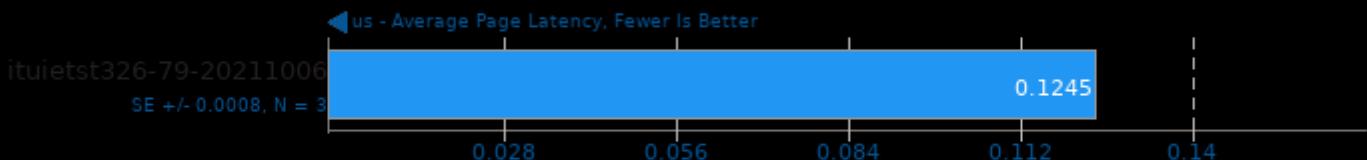
Concurrent Worker Threads: 4 - Read-Write Ratio: 50%



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

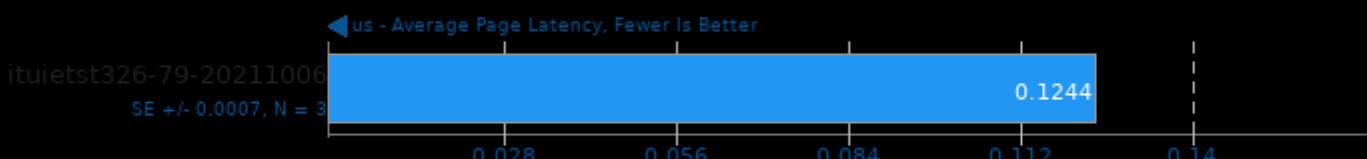
Concurrent Worker Threads: 8 - Read-Write Ratio: 50%



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

Concurrent Worker Threads: 16 - Read-Write Ratio: 50%



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

Concurrent Worker Threads: 32 - Read-Write Ratio: 50%



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

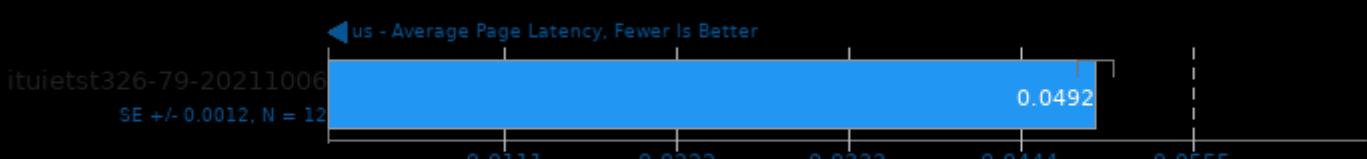
Concurrent Worker Threads: 1 - Read-Write Ratio: 100% Reads



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

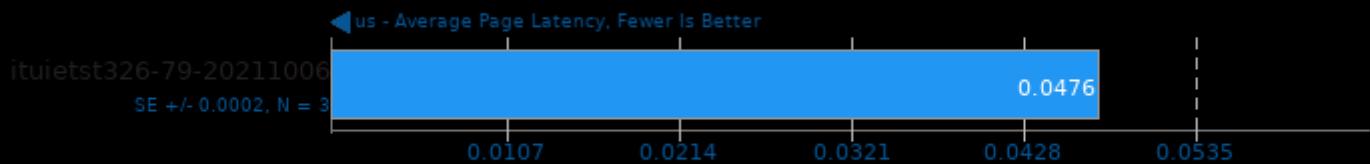
Concurrent Worker Threads: 2 - Read-Write Ratio: 100% Reads



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

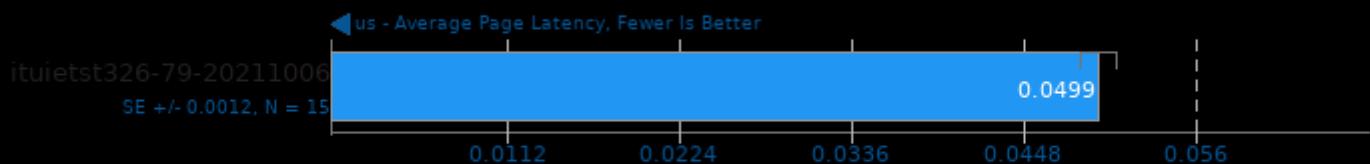
Concurrent Worker Threads: 4 - Read-Write Ratio: 100% Reads



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

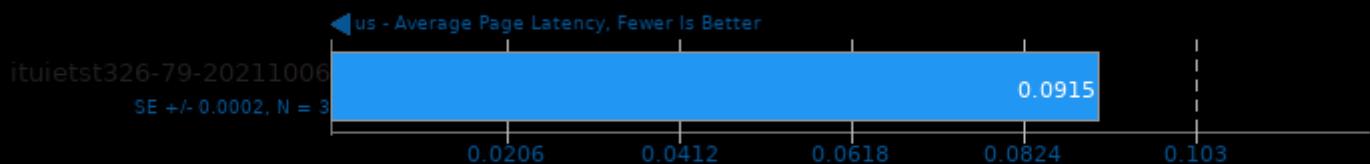
Concurrent Worker Threads: 8 - Read-Write Ratio: 100% Reads



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

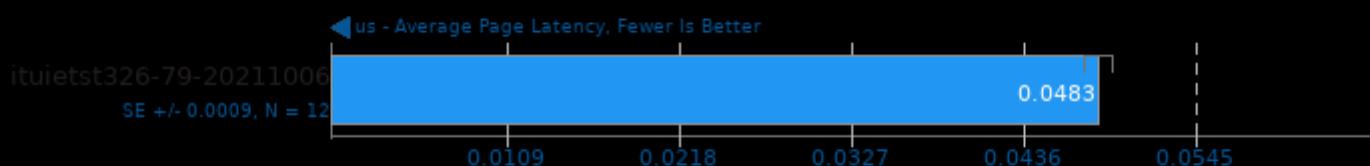
Concurrent Worker Threads: 1 - Read-Write Ratio: 100% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

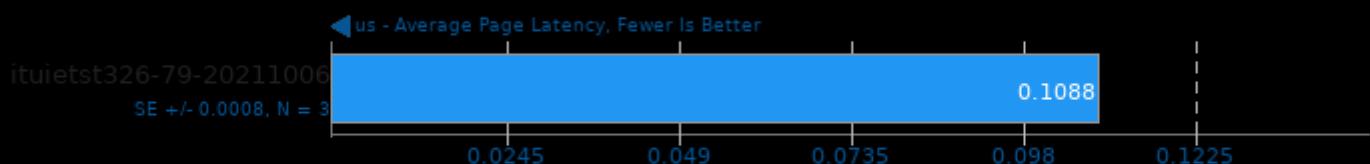
Concurrent Worker Threads: 16 - Read-Write Ratio: 100% Reads



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

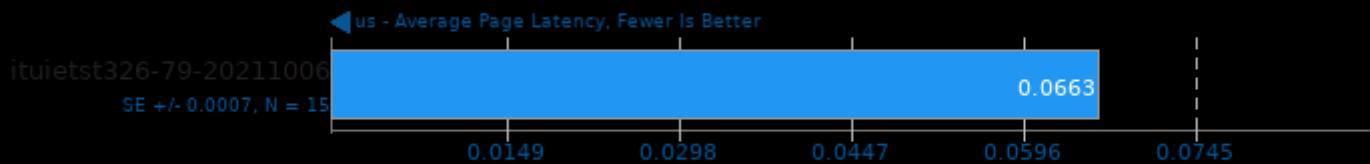
Concurrent Worker Threads: 2 - Read-Write Ratio: 100% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

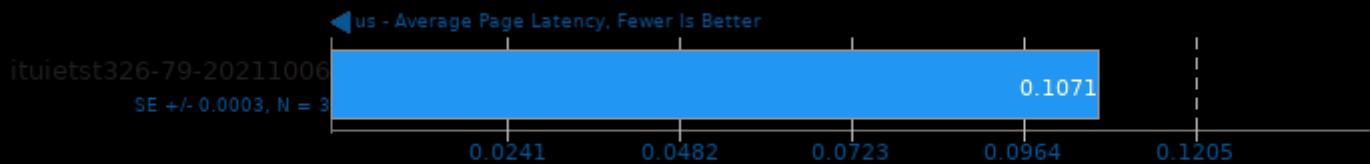
Concurrent Worker Threads: 32 - Read-Write Ratio: 100% Reads



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

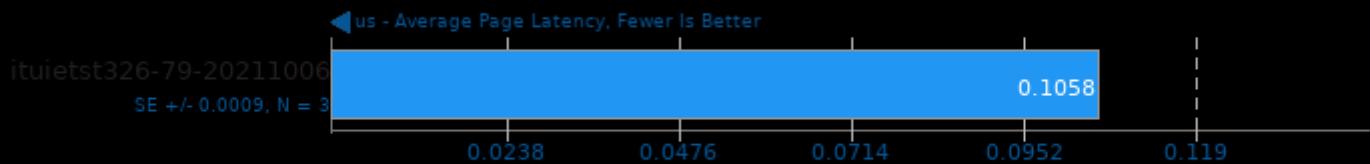
Concurrent Worker Threads: 4 - Read-Write Ratio: 100% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

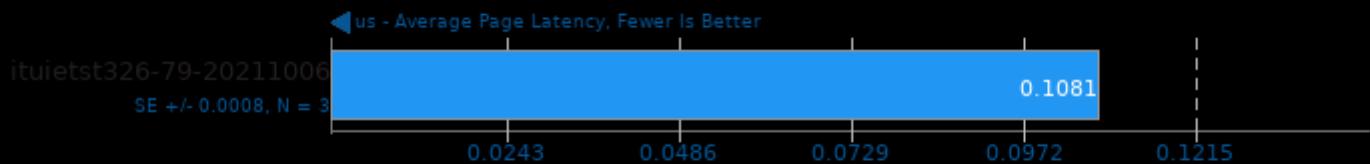
Concurrent Worker Threads: 8 - Read-Write Ratio: 100% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

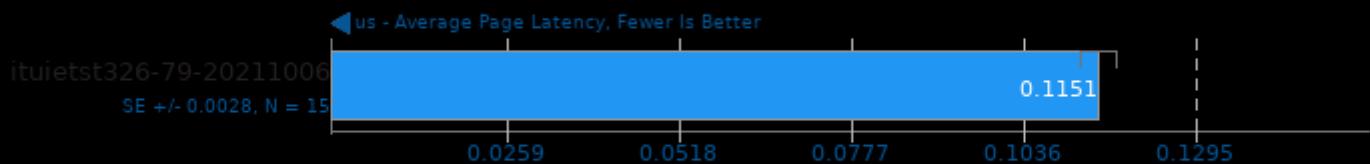
Concurrent Worker Threads: 16 - Read-Write Ratio: 100% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

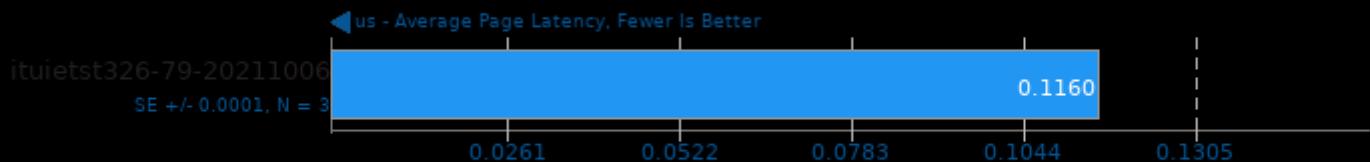
Concurrent Worker Threads: 32 - Read-Write Ratio: 100% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

Concurrent Worker Threads: 1 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

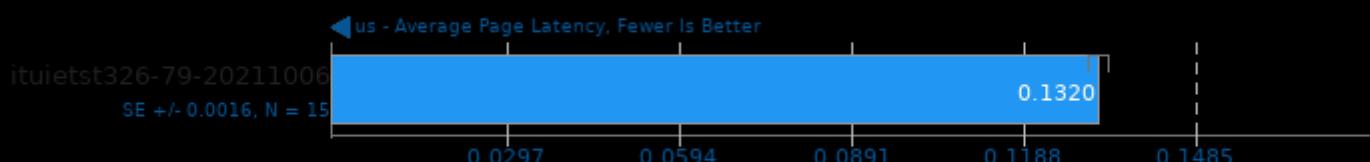
Concurrent Worker Threads: 2 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

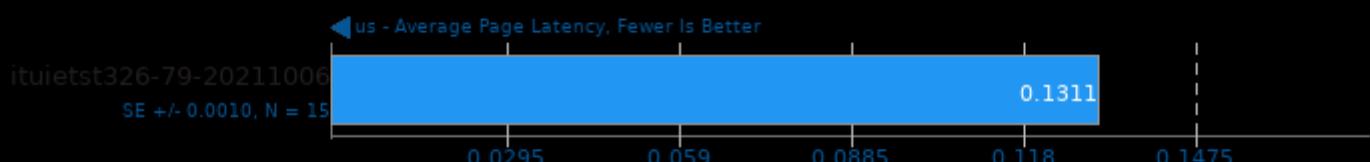
Concurrent Worker Threads: 4 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

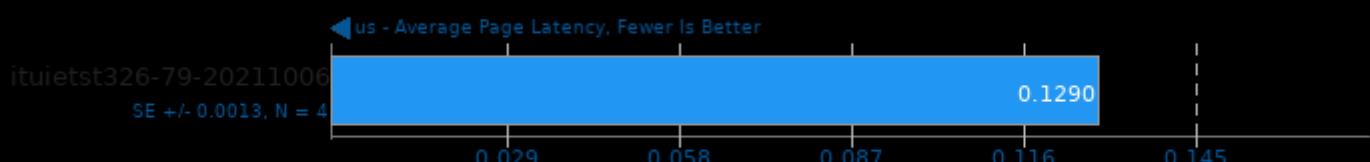
Concurrent Worker Threads: 8 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

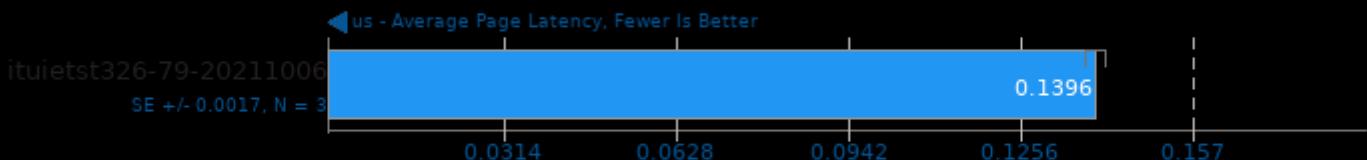
Concurrent Worker Threads: 16 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

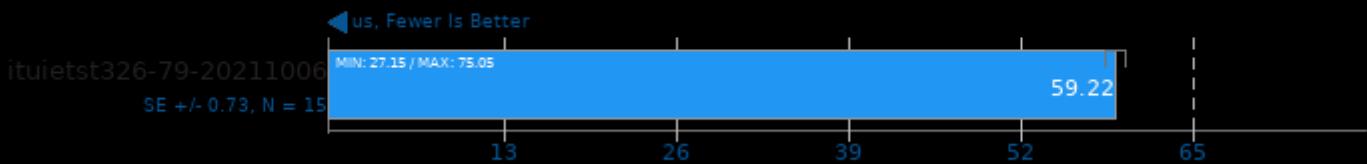
Concurrent Worker Threads: 32 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

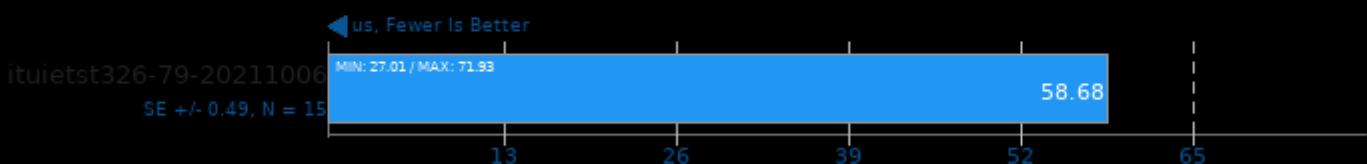
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Latency - Threads: 1



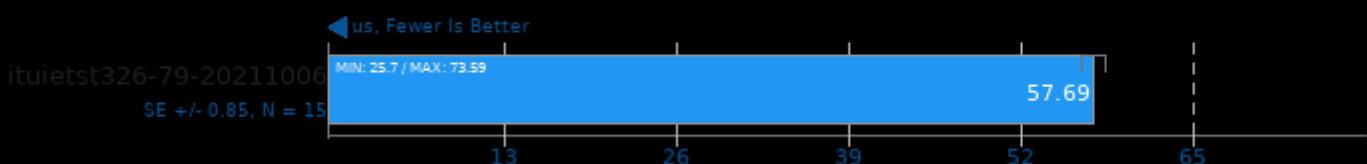
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Latency - Threads: 8



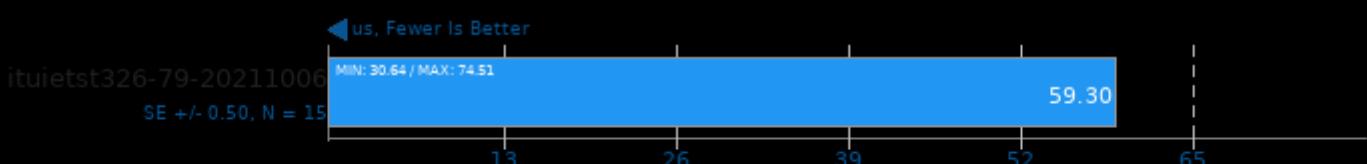
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Latency - Threads: 32



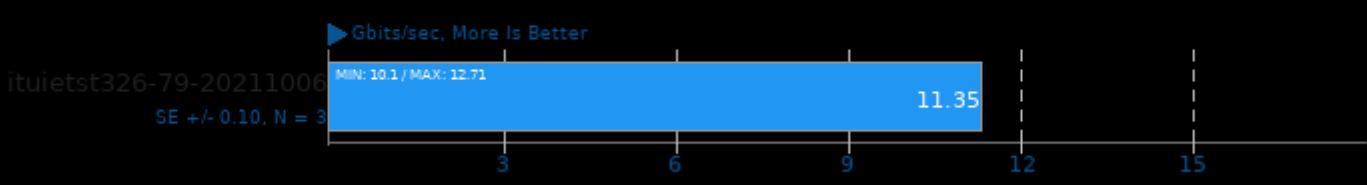
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Latency - Threads: 64



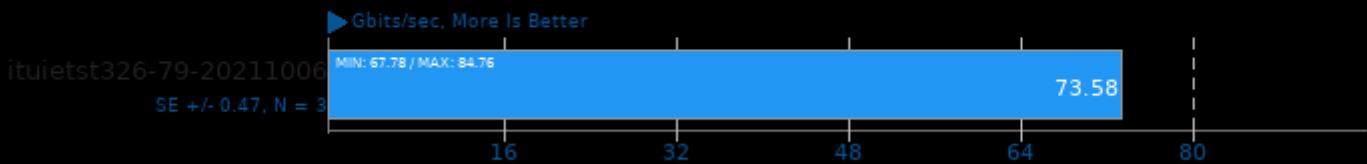
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Bandwidth - Threads: 1



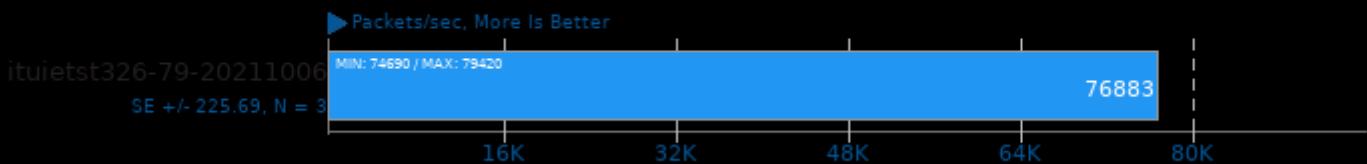
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Bandwidth - Threads: 8



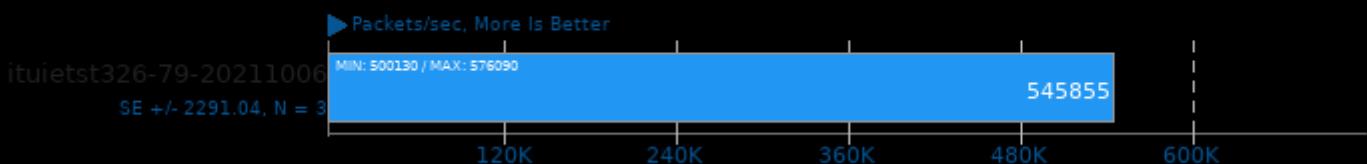
Ethr 1.0

Server Address: localhost - Protocol: UDP - Test: Bandwidth - Threads: 1



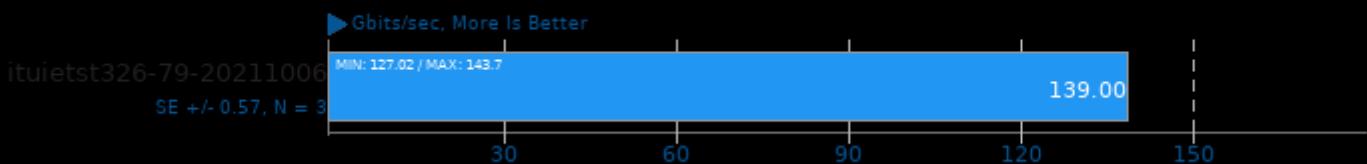
Ethr 1.0

Server Address: localhost - Protocol: UDP - Test: Bandwidth - Threads: 8



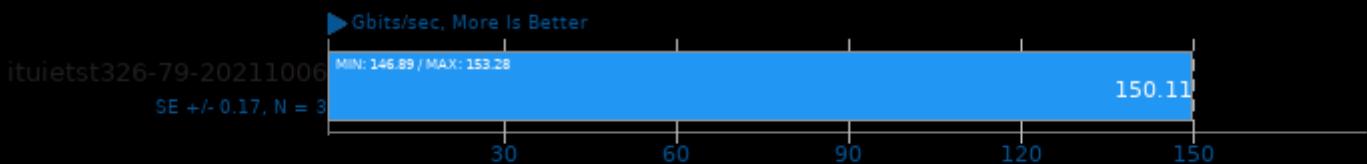
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Bandwidth - Threads: 32



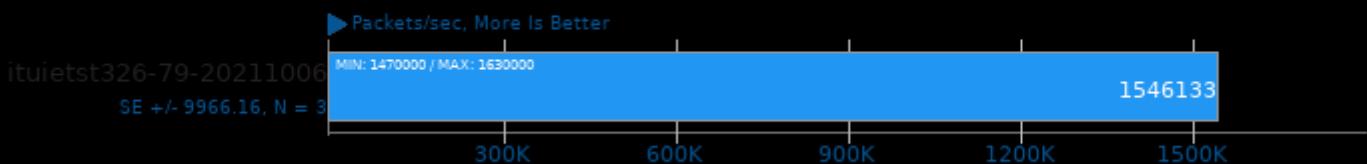
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Bandwidth - Threads: 64



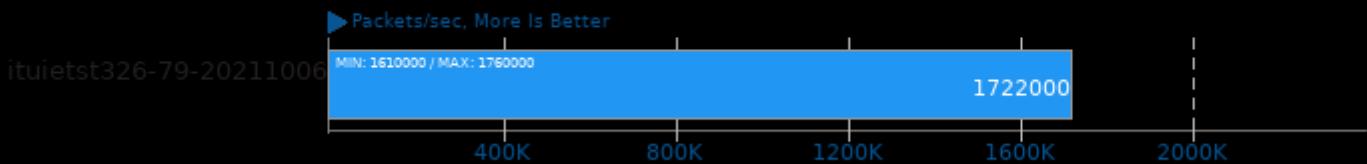
Ethr 1.0

Server Address: localhost - Protocol: UDP - Test: Bandwidth - Threads: 32



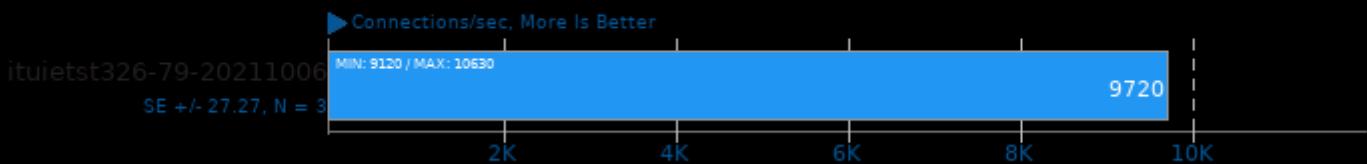
Ethr 1.0

Server Address: localhost - Protocol: UDP - Test: Bandwidth - Threads: 64



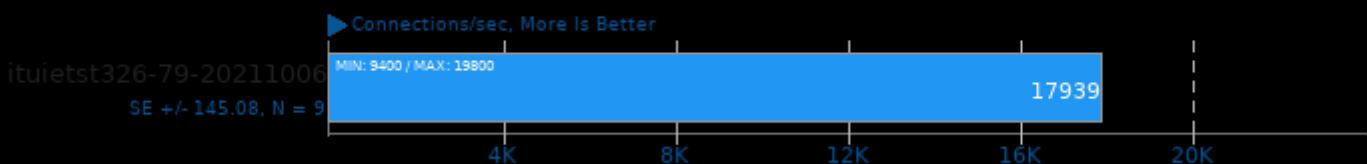
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Connections/s - Threads: 1



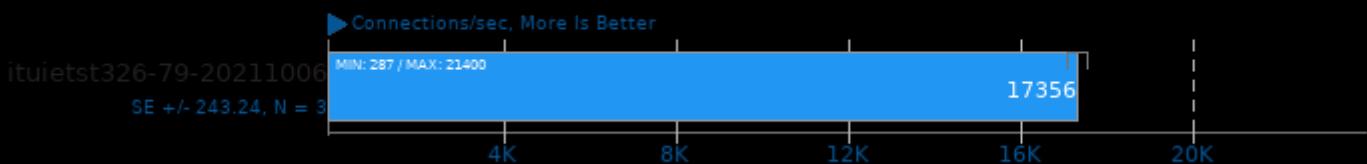
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Connections/s - Threads: 8



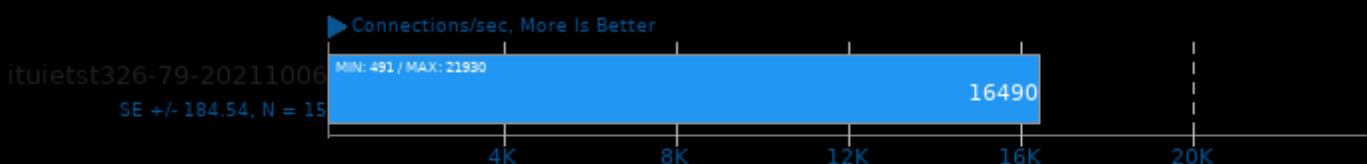
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Connections/s - Threads: 32



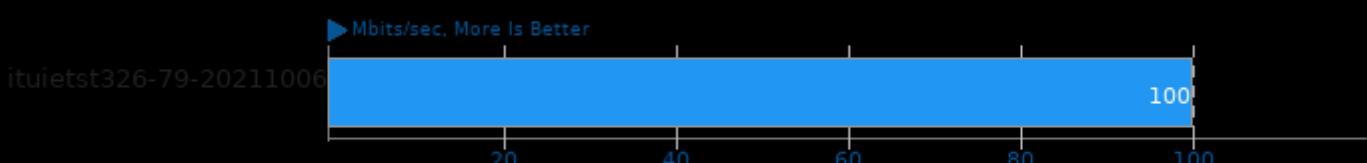
Ethr 1.0

Server Address: localhost - Protocol: TCP - Test: Connections/s - Threads: 64



iPerf 3.7

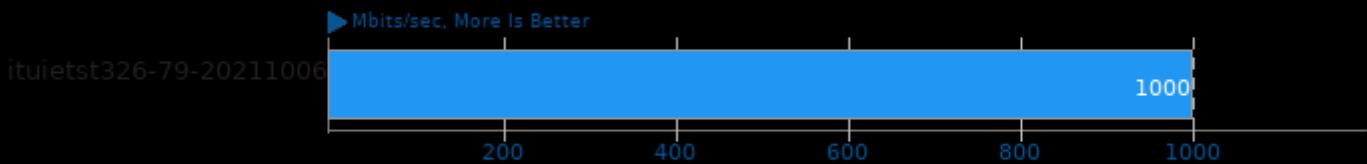
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - 100Mbit Objective - Parallel: 1



1. (CC) gcc options: -O3 -march=native -fssl -lcrypto -lm

iPerf 3.7

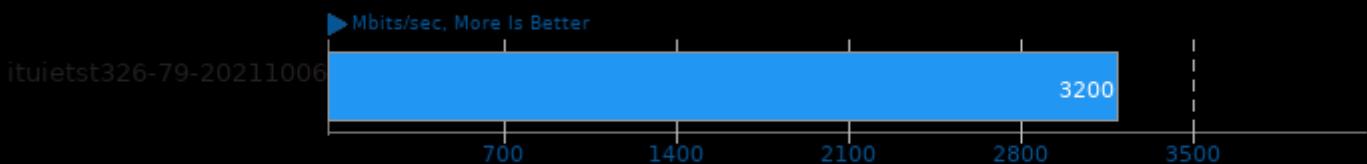
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - 1000Mbit Objective - Parallel: 1



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iPerf 3.7

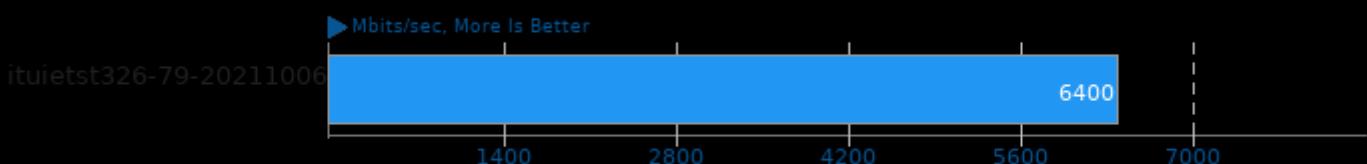
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - 100Mbit Objective - Parallel: 32



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iPerf 3.7

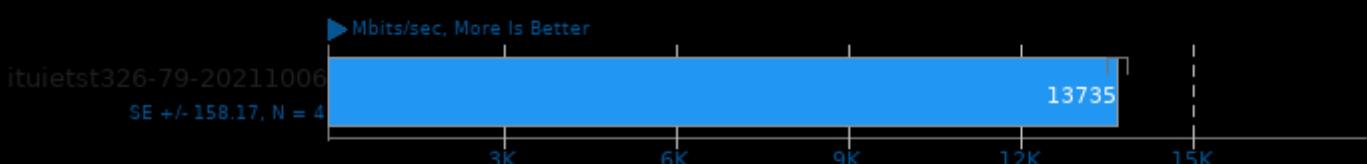
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - 100Mbit Objective - Parallel: 64



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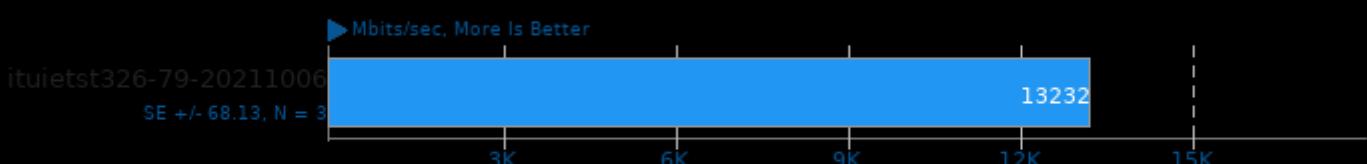
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - 1000Mbit Objective - Parallel: 32



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iPerf 3.7

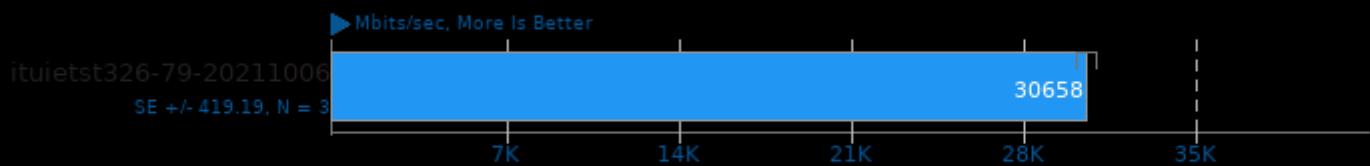
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iPerf 3.7

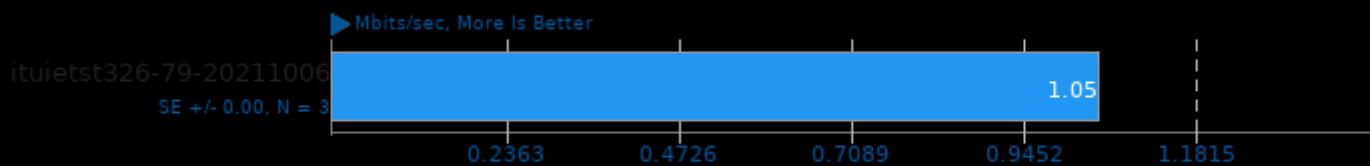
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: TCP - Parallel: 1



1. (CC) gcc options: -O3 -march=native -lssl -lcrypto -lm

iPerf 3.7

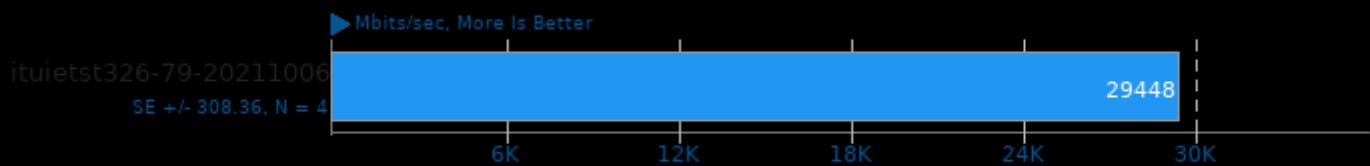
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - Parallel: 1



1. (CC) gcc options: -O3 -march=native -lssl -lcrypto -lm

iPerf 3.7

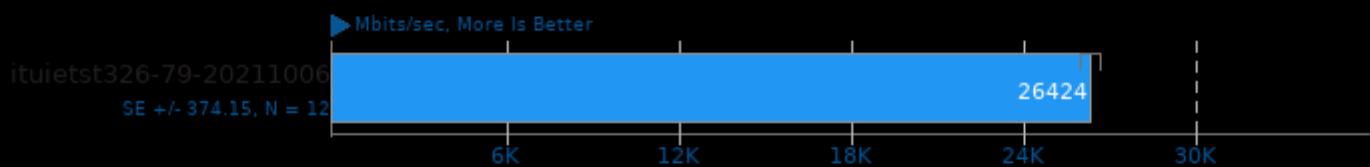
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: TCP - Parallel: 32



1. (CC) gcc options: -O3 -march=native -lssl -lcrypto -lm

iPerf 3.7

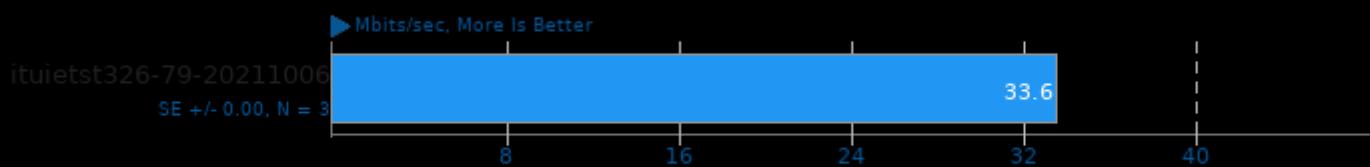
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: TCP - Parallel: 64



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iPerf 3.7

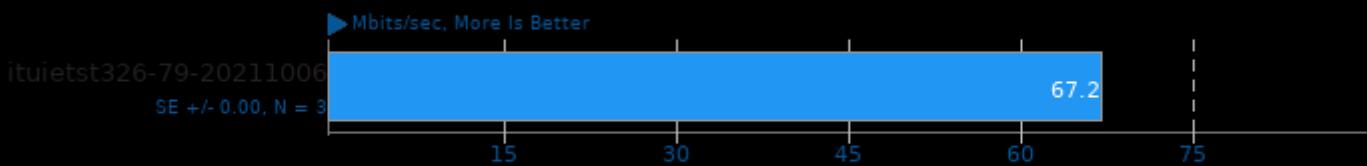
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - Parallel: 32



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iPerf 3.7

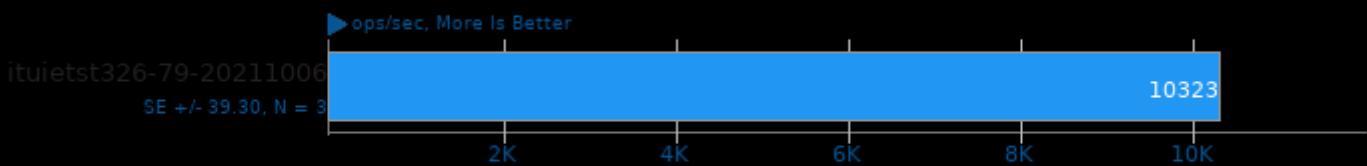
Server Address: localhost - Server Port: 5201 - Duration: 10 Seconds - Test: UDP - Parallel: 64



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perf-bench

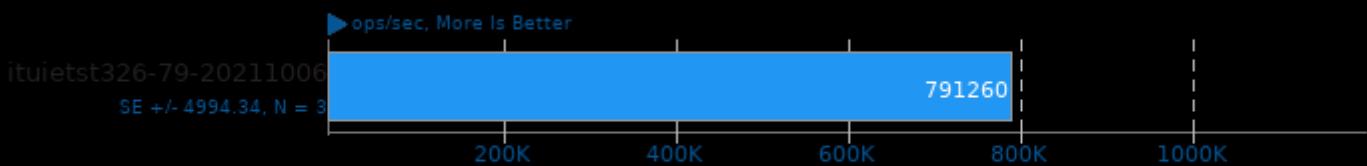
Benchmark: Epoll Wait



1. (CC) gcc options: -pthread -shared -lunwind-x86_64 -lunwind -llzma -fstack-protector -Xlinker -export-dynamic -O6 -ggdb3 -funwind-tables -std=gnu99

perf-bench

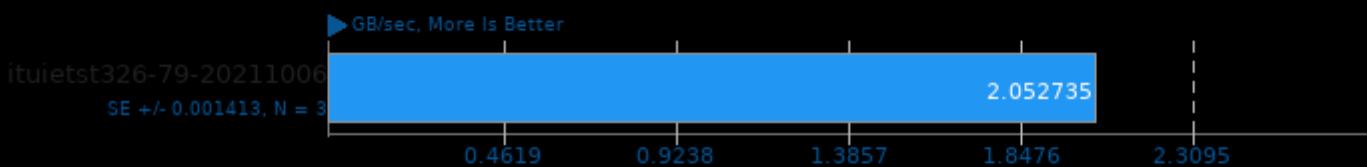
Benchmark: Futex Hash



1. (CC) gcc options: -pthread -shared -lunwind-x86_64 -lunwind -llzma -fstack-protector -Xlinker -export-dynamic -O6 -ggdb3 -funwind-tables -std=gnu99

perf-bench

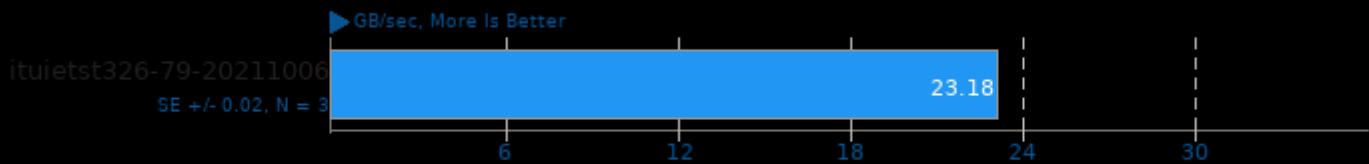
Benchmark: Memcpy 1MB



1. (CC) gcc options: -pthread -shared -lunwind-x86_64 -lunwind -llzma -fstack-protector -Xlinker -export-dynamic -O6 -ggdb3 -funwind-tables -std=gnu99

perf-bench

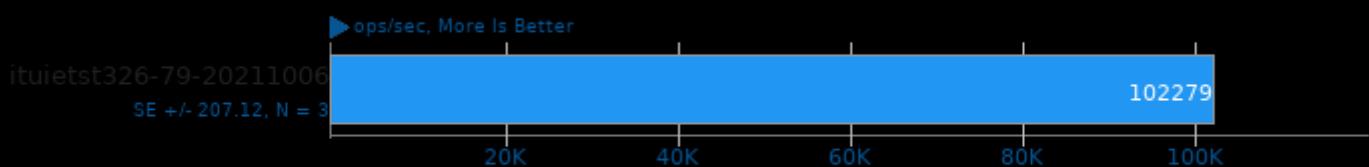
Benchmark: Memset 1MB



```
1. (CC) gcc options: -pthread -shared -lunwind-x86_64 -lunwind -llzma -fstack-protector -Xlinker -export-dynamic -O6 -ggdb3 -funwind-tables -std=gnu99
```

perf-bench

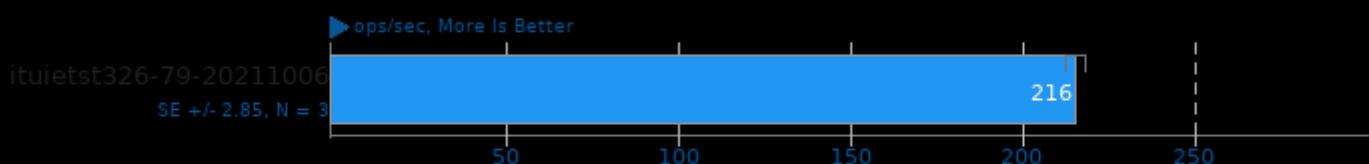
Benchmark: Sched Pipe



```
1. (CC) gcc options: -pthread -shared -lunwind-x86_64 -lunwind -llzma -fstack-protector -Xlinker -export-dynamic -O6 -ggdb3 -funwind-tables -std=gnu99
```

perf-bench

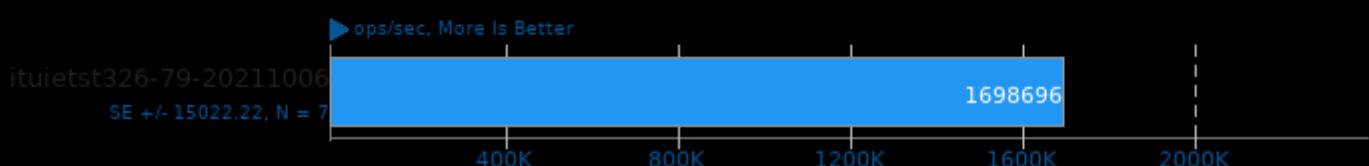
Benchmark: Futex Lock-Pi



```
1. (CC) gcc options: -pthread -shared -lunwind-x86_64 -lunwind -llzma -fstack-protector -Xlinker -export-dynamic -O6 -ggdb3 -funwind-tables -std=gnu99
```

perf-bench

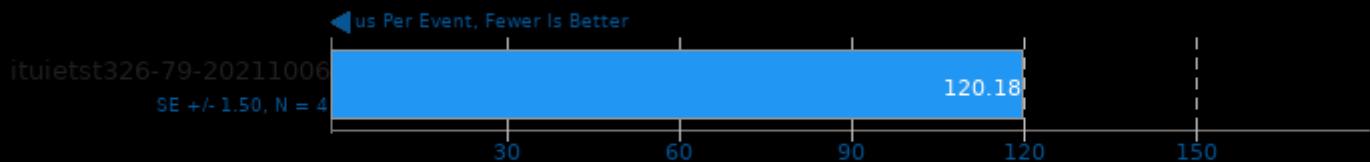
Benchmark: Syscall Basic



```
1. (CC) gcc options: -pthread -shared -lunwind-x86_64 -lunwind -llzma -fstack-protector -Xlinker -export-dynamic -O6 -ggdb3 -funwind-tables -std=gnu99
```

OSBench

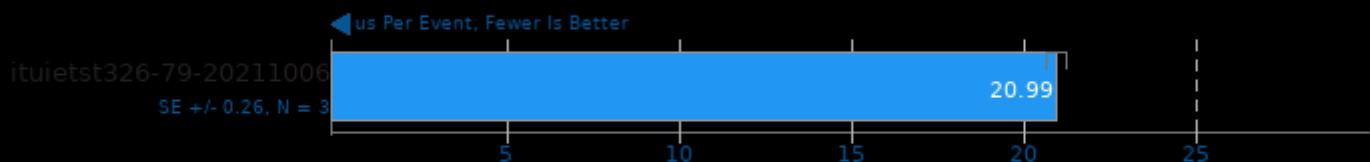
Test: Create Files



1. (CC) gcc options: -lm

OSBench

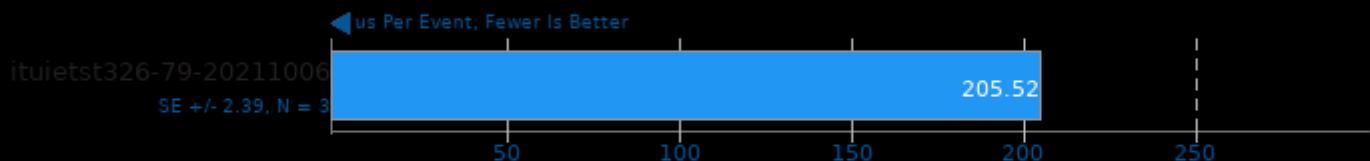
Test: Create Threads



1. (CC) gcc options: -lm

OSBench

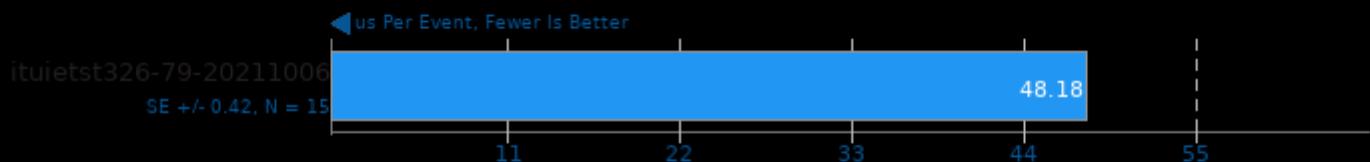
Test: Launch Programs



1. (CC) gcc options: -lm

OSBench

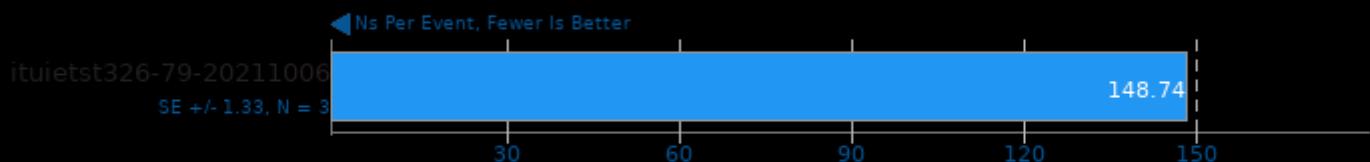
Test: Create Processes



1. (CC) gcc options: -lm

OSBench

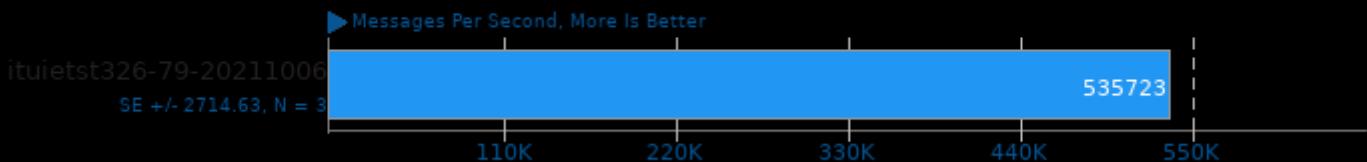
Test: Memory Allocations



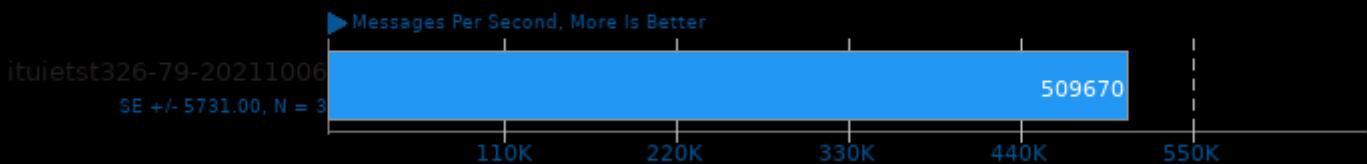
1. (CC) gcc options: -lm

IPC_benchmark

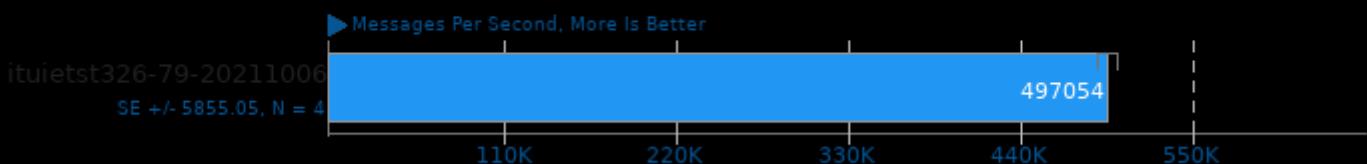
Type: TCP Socket - Message Bytes: 128

**IPC_benchmark**

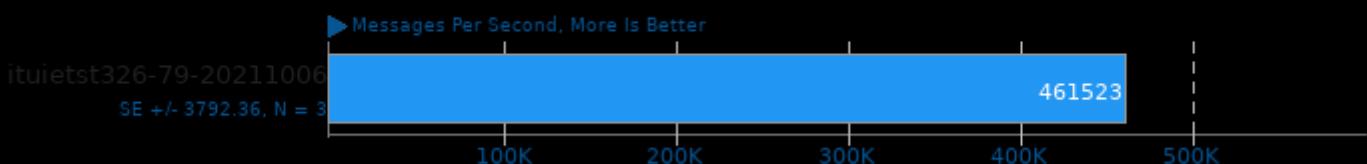
Type: TCP Socket - Message Bytes: 256

**IPC_benchmark**

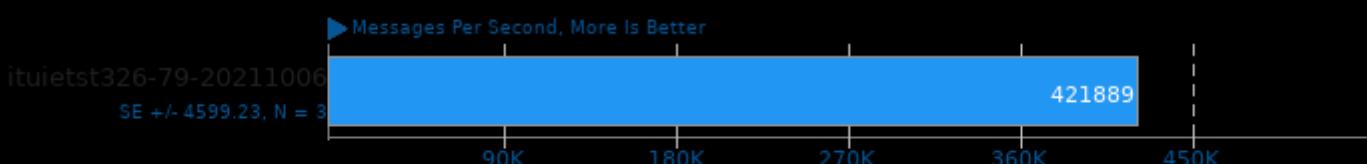
Type: TCP Socket - Message Bytes: 512

**IPC_benchmark**

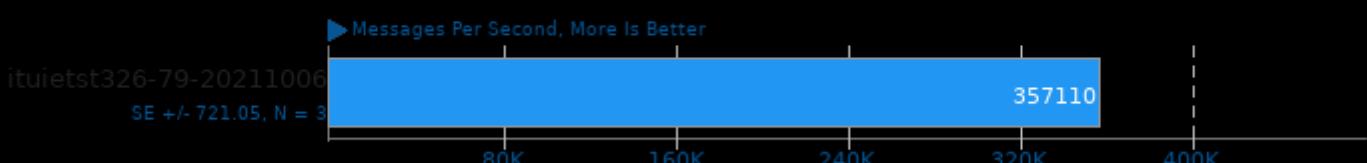
Type: TCP Socket - Message Bytes: 1024

**IPC_benchmark**

Type: TCP Socket - Message Bytes: 2048

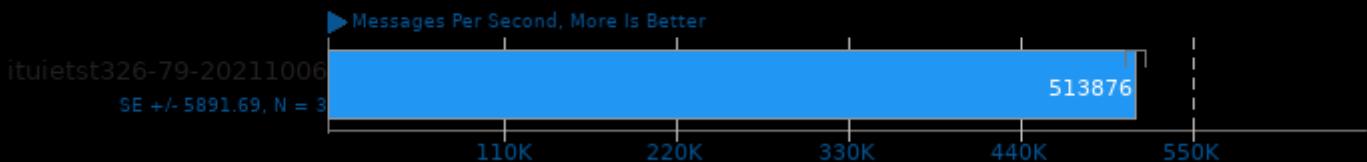
**IPC_benchmark**

Type: TCP Socket - Message Bytes: 4096

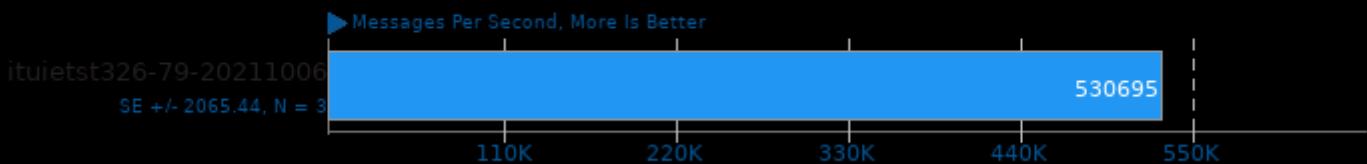


IPC_benchmark

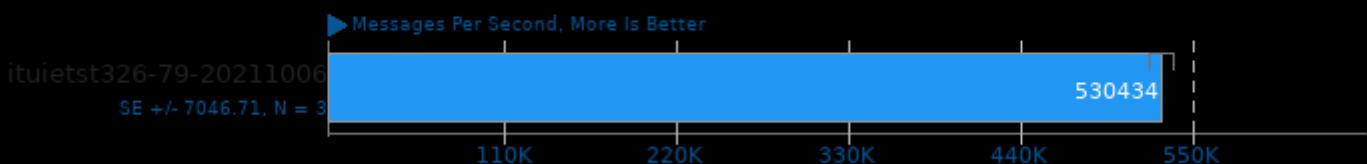
Type: Unnamed Pipe - Message Bytes: 128

**IPC_benchmark**

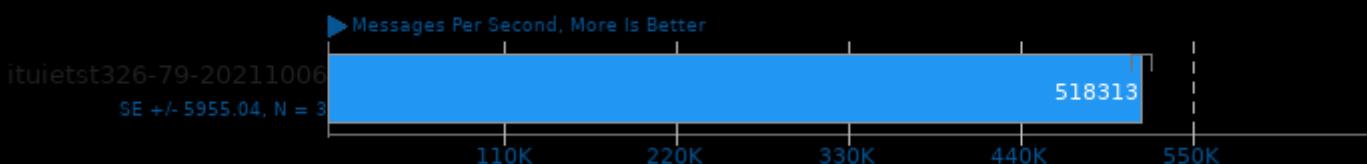
Type: Unnamed Pipe - Message Bytes: 256

**IPC_benchmark**

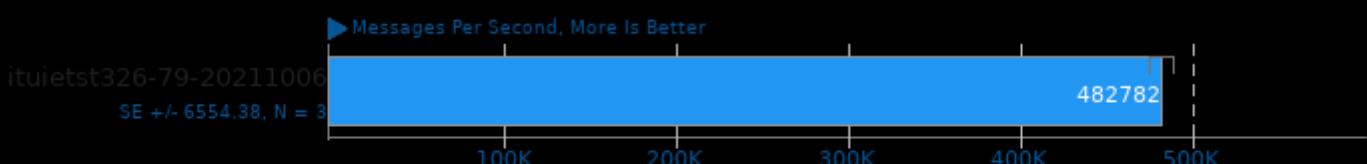
Type: Unnamed Pipe - Message Bytes: 512

**IPC_benchmark**

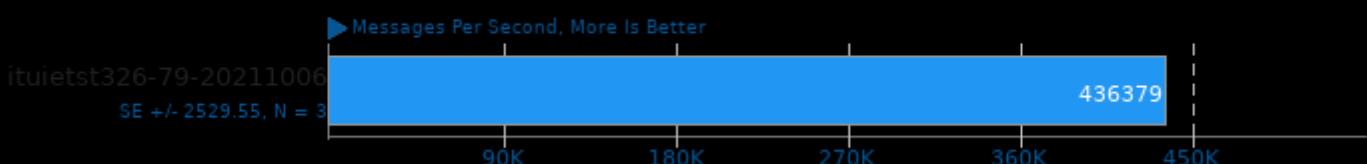
Type: Unnamed Pipe - Message Bytes: 1024

**IPC_benchmark**

Type: Unnamed Pipe - Message Bytes: 2048

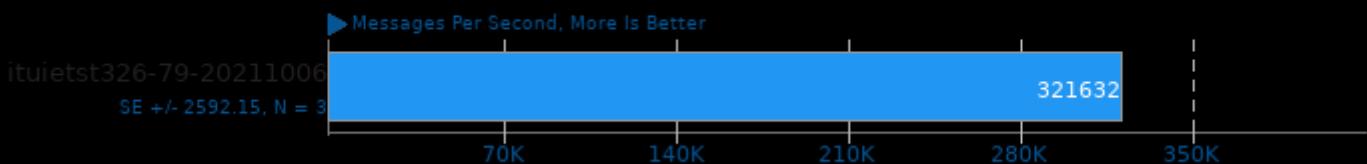
**IPC_benchmark**

Type: Unnamed Pipe - Message Bytes: 4096

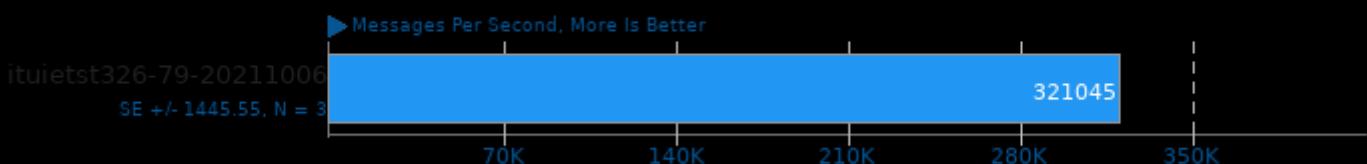


IPC_benchmark

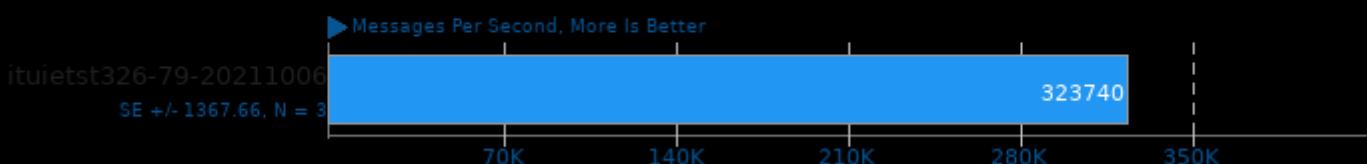
Type: FIFO Named Pipe - Message Bytes: 128

**IPC_benchmark**

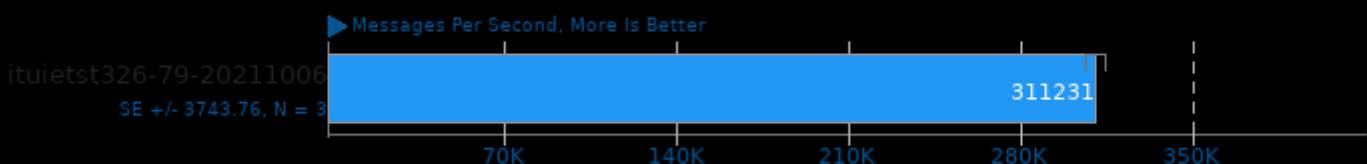
Type: FIFO Named Pipe - Message Bytes: 256

**IPC_benchmark**

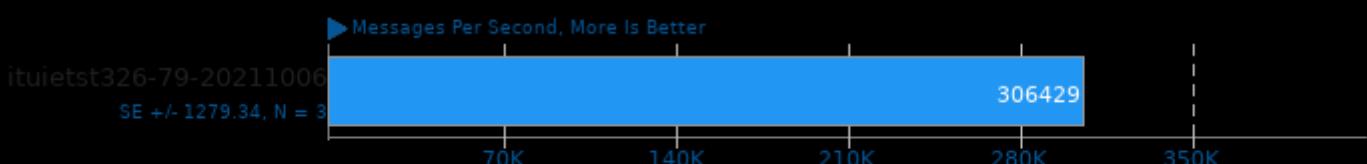
Type: FIFO Named Pipe - Message Bytes: 512

**IPC_benchmark**

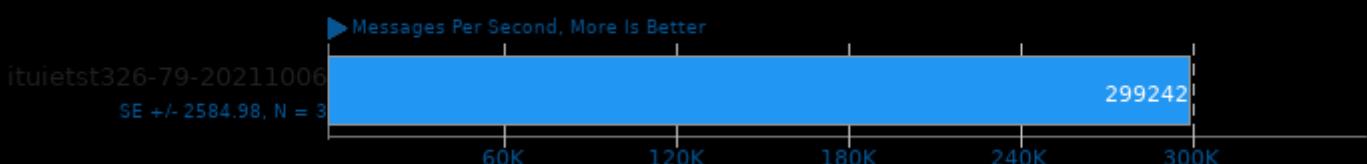
Type: FIFO Named Pipe - Message Bytes: 1024

**IPC_benchmark**

Type: FIFO Named Pipe - Message Bytes: 2048

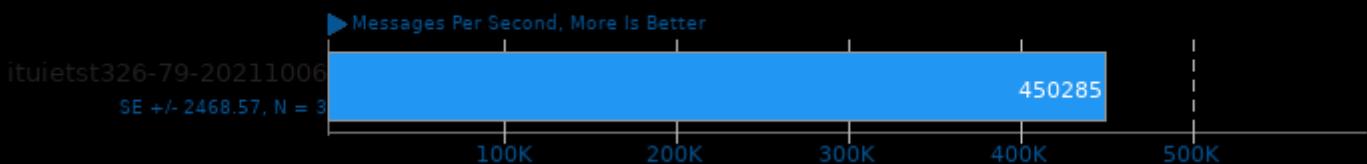
**IPC_benchmark**

Type: FIFO Named Pipe - Message Bytes: 4096

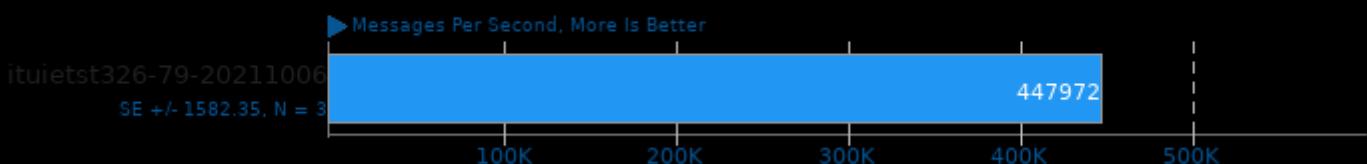


IPC_benchmark

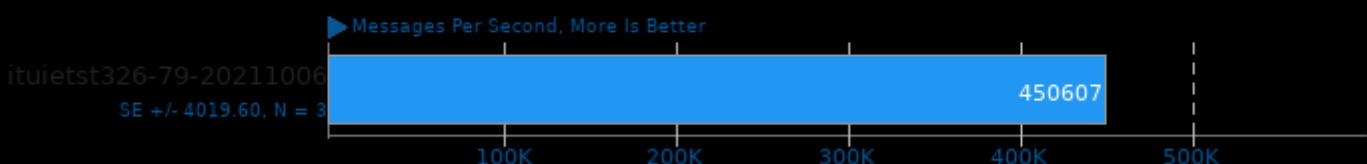
Type: Unnamed Unix Domain Socket - Message Bytes: 128

**IPC_benchmark**

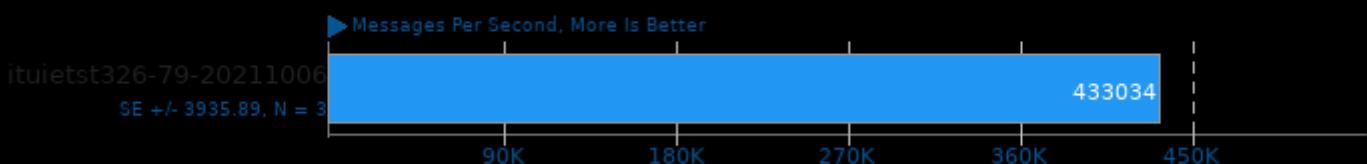
Type: Unnamed Unix Domain Socket - Message Bytes: 256

**IPC_benchmark**

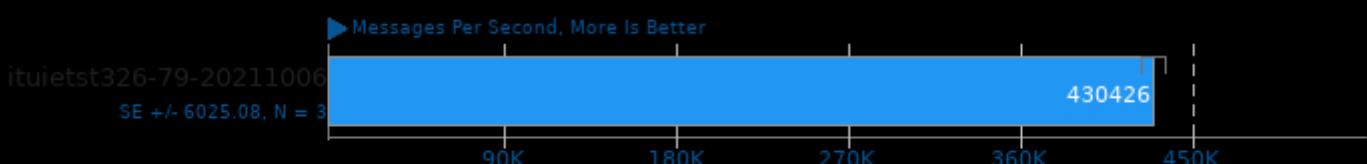
Type: Unnamed Unix Domain Socket - Message Bytes: 512

**IPC_benchmark**

Type: Unnamed Unix Domain Socket - Message Bytes: 1024

**IPC_benchmark**

Type: Unnamed Unix Domain Socket - Message Bytes: 2048

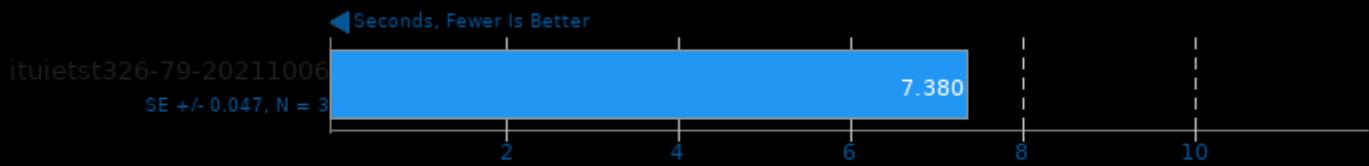
**IPC_benchmark**

Type: Unnamed Unix Domain Socket - Message Bytes: 4096



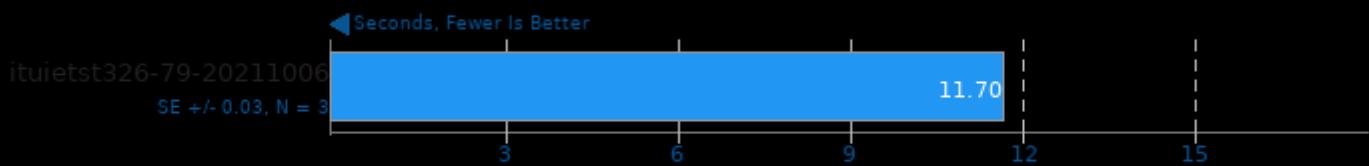
Hackbench

Count: 1 - Type: Thread



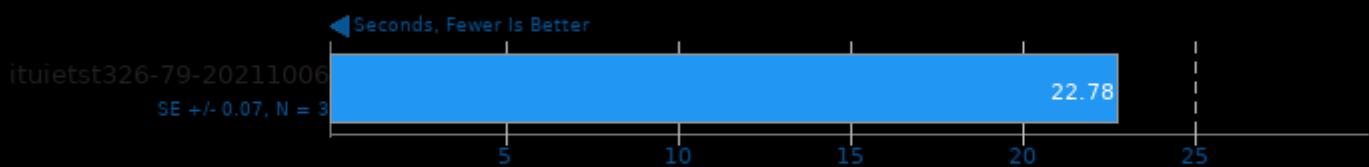
Hackbench

Count: 2 - Type: Thread



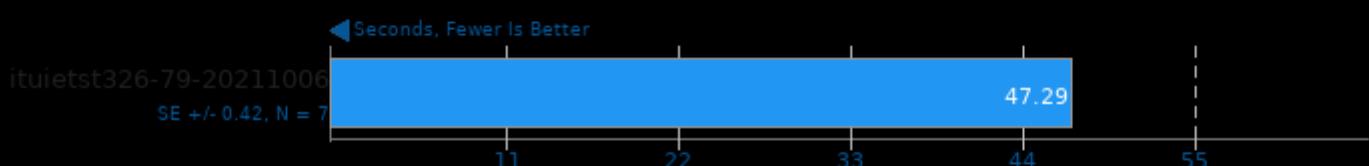
Hackbench

Count: 4 - Type: Thread



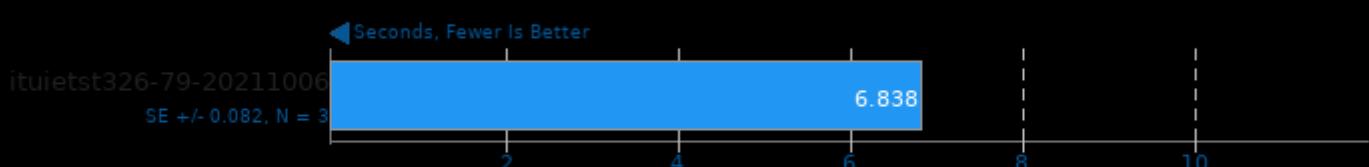
Hackbench

Count: 8 - Type: Thread



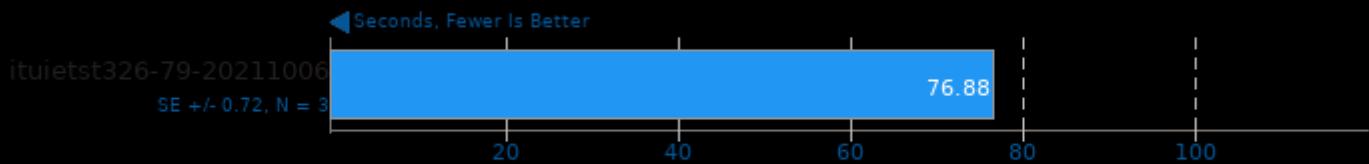
Hackbench

Count: 1 - Type: Process



Hackbench

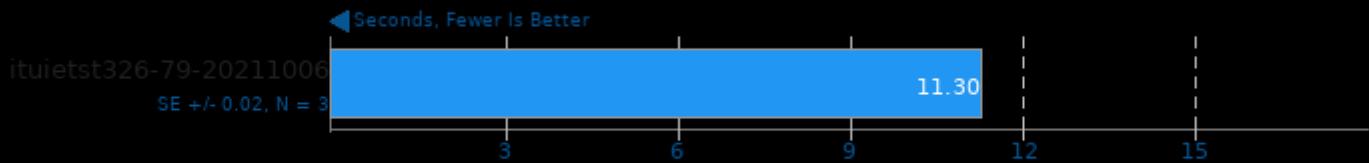
Count: 16 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

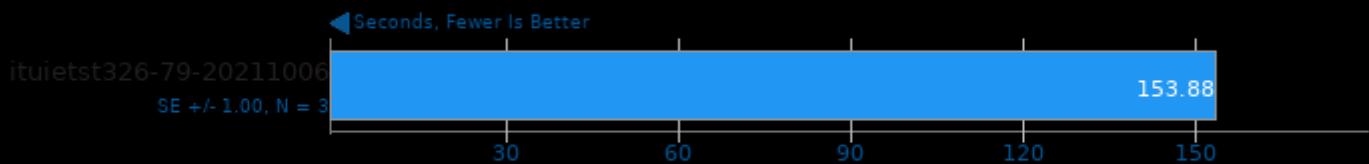
Count: 2 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

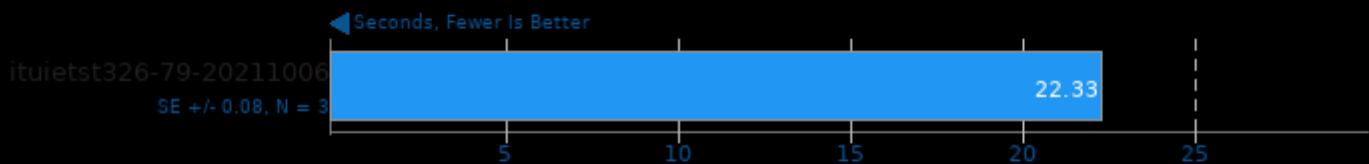
Count: 32 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

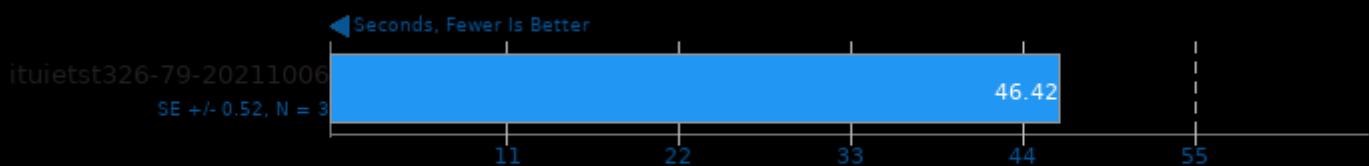
Count: 4 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

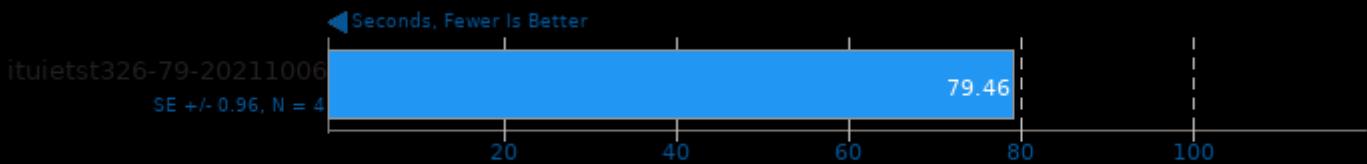
Count: 8 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

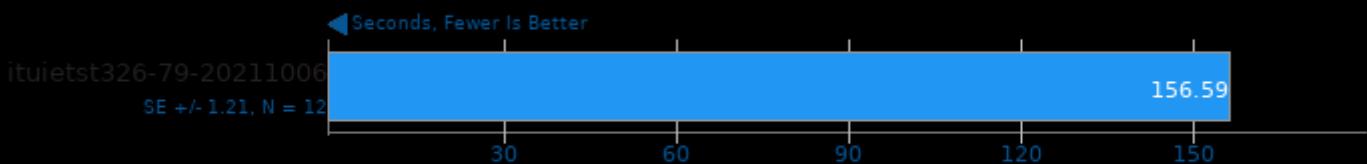
Count: 16 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

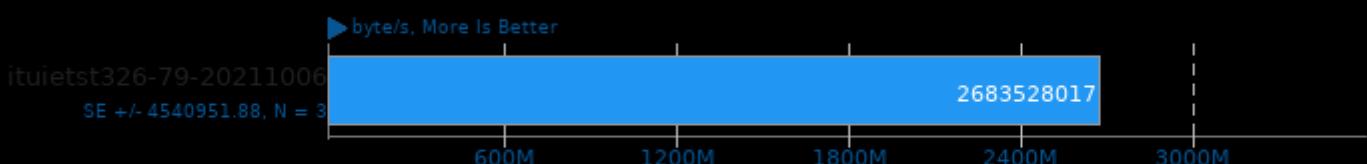
Count: 32 - Type: Process



1. (CC) gcc options: -lpthread

OpenSSL 3.0

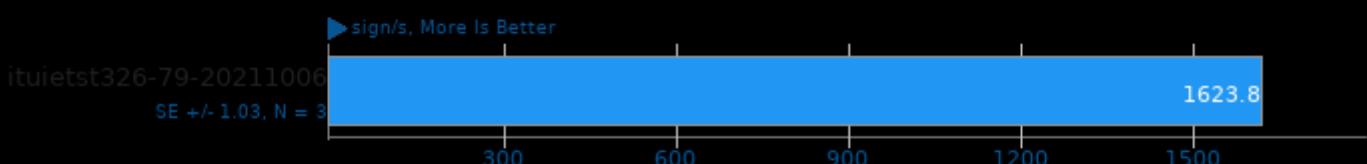
Algorithm: SHA256



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

OpenSSL 3.0

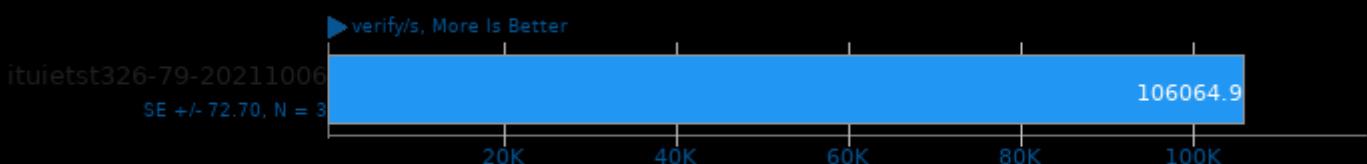
Algorithm: RSA4096



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

OpenSSL 3.0

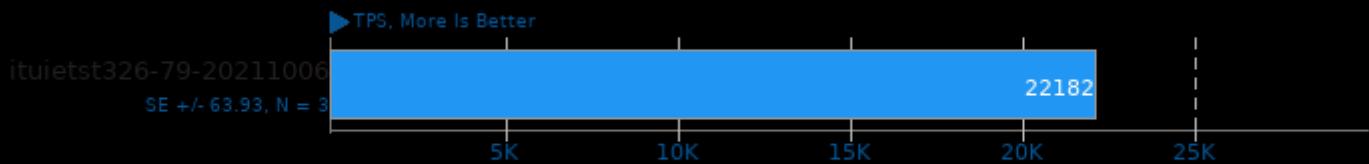
Algorithm: RSA4096



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

PostgreSQL 15

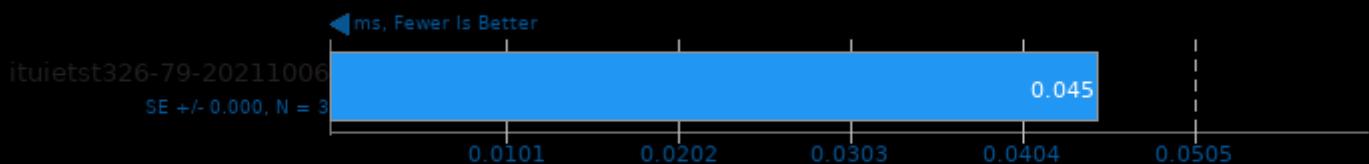
Scaling Factor: 1 - Clients: 1 - Mode: Read Only



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

PostgreSQL 15

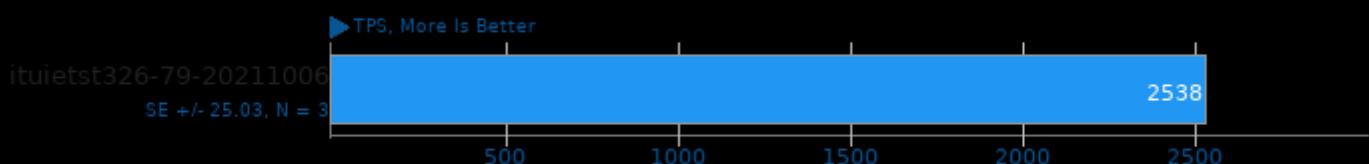
Scaling Factor: 1 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL 15

Scaling Factor: 1 - Clients: 1 - Mode: Read Write



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

PostgreSQL 15

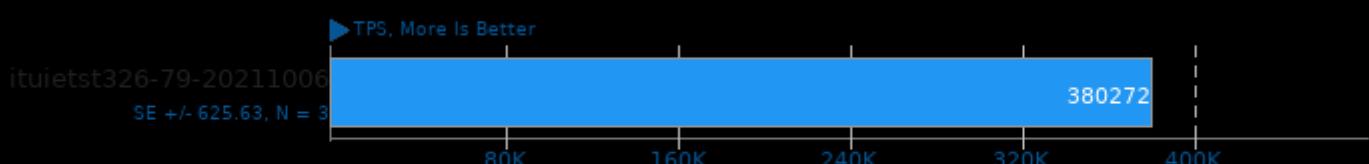
Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL 15

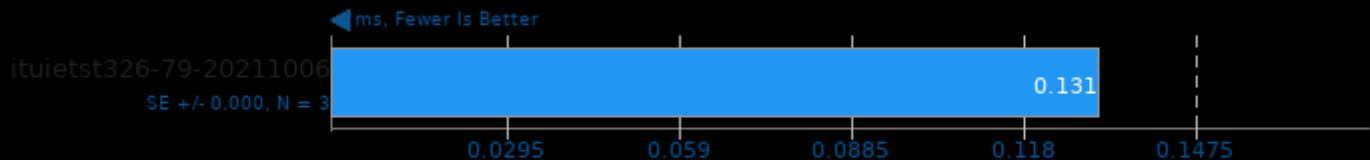
Scaling Factor: 1 - Clients: 50 - Mode: Read Only



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

PostgreSQL 15

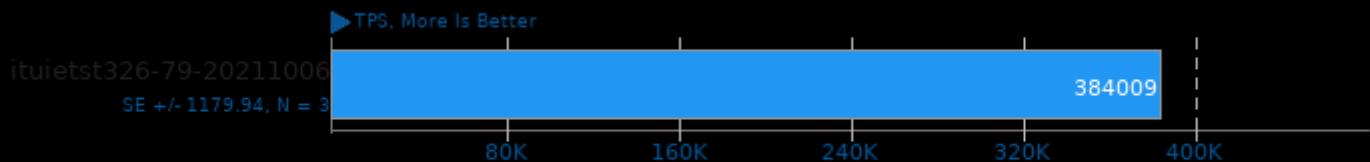
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL 15

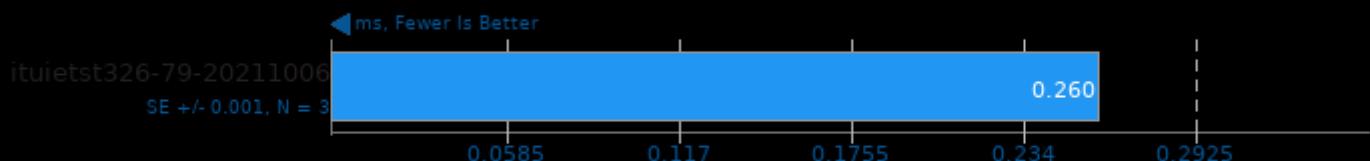
Scaling Factor: 1 - Clients: 100 - Mode: Read Only



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

PostgreSQL 15

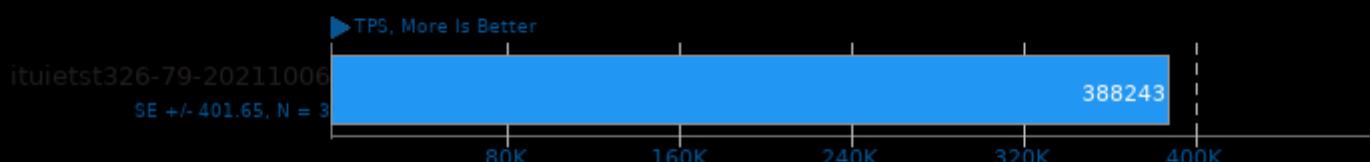
Scaling Factor: 1 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL 15

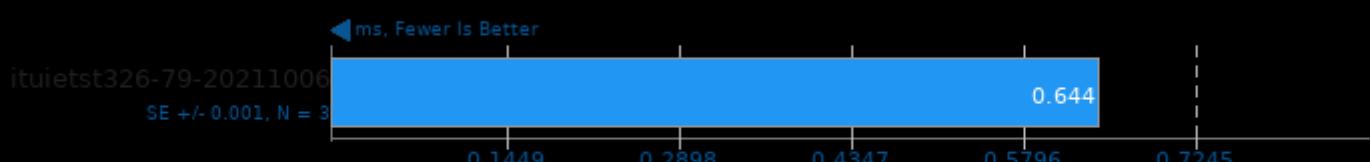
Scaling Factor: 1 - Clients: 250 - Mode: Read Only



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

PostgreSQL 15

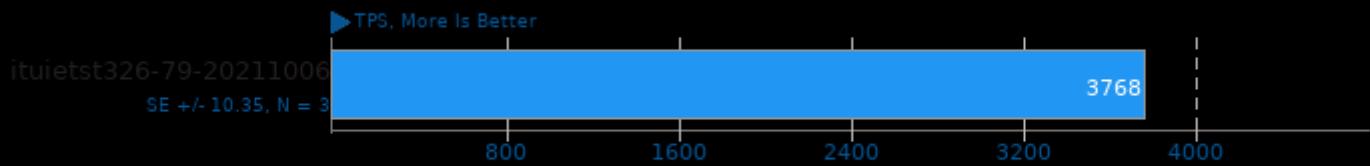
Scaling Factor: 1 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL 15

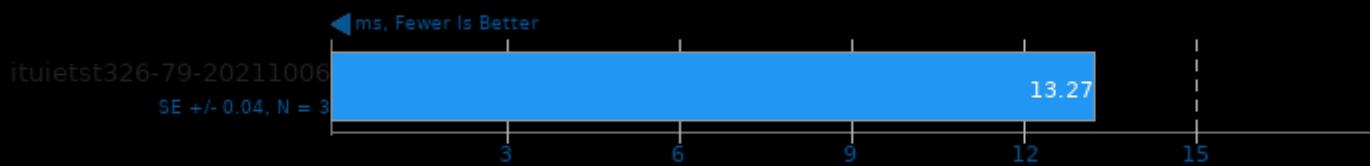
Scaling Factor: 1 - Clients: 50 - Mode: Read Write



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

PostgreSQL 15

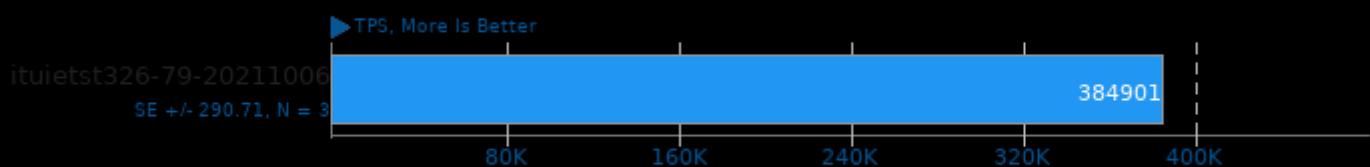
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL 15

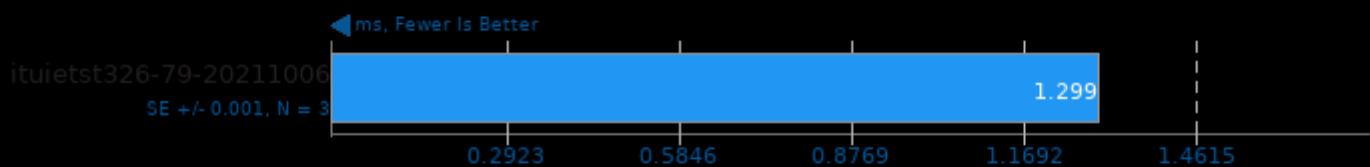
Scaling Factor: 1 - Clients: 500 - Mode: Read Only



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

PostgreSQL 15

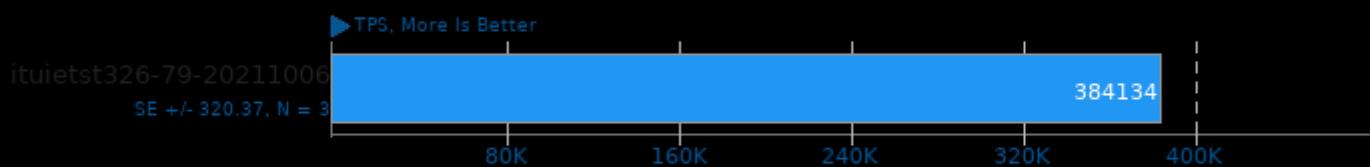
Scaling Factor: 1 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL 15

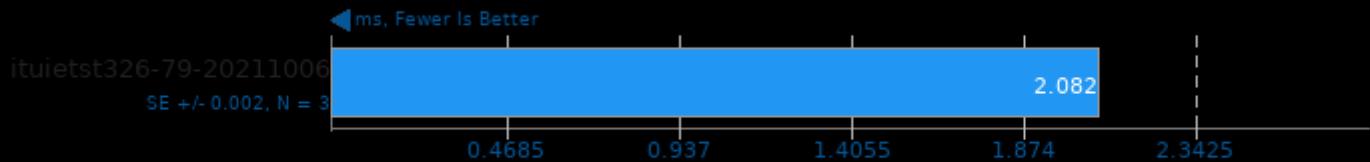
Scaling Factor: 1 - Clients: 800 - Mode: Read Only



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

PostgreSQL 15

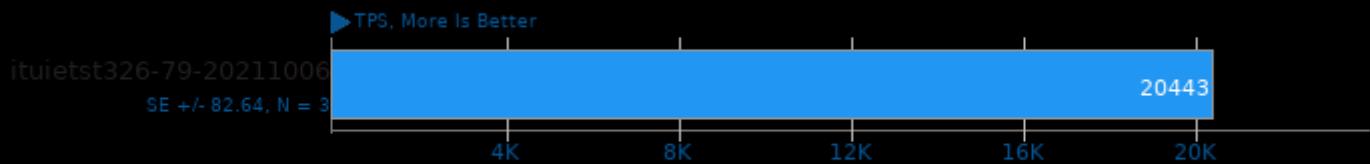
Scaling Factor: 1 - Clients: 800 - Mode: Read Only - Average Latency



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

PostgreSQL 15

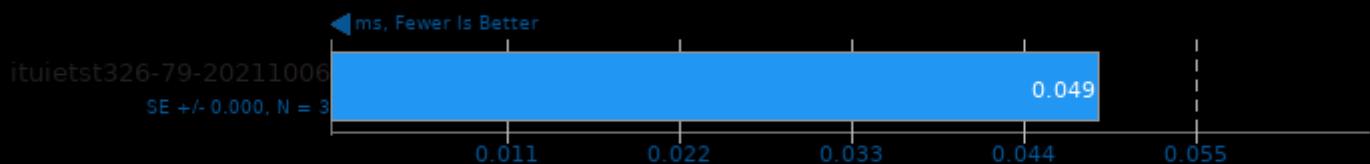
Scaling Factor: 100 - Clients: 1 - Mode: Read Only



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

PostgreSQL 15

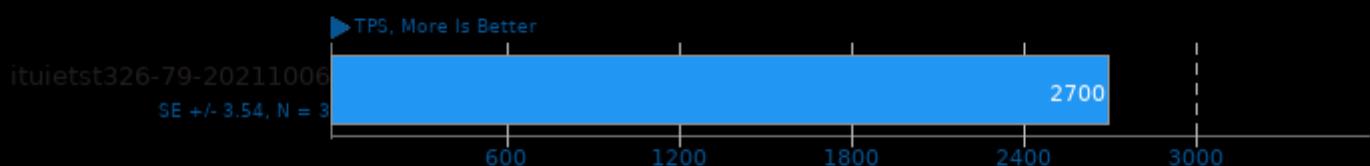
Scaling Factor: 100 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL 15

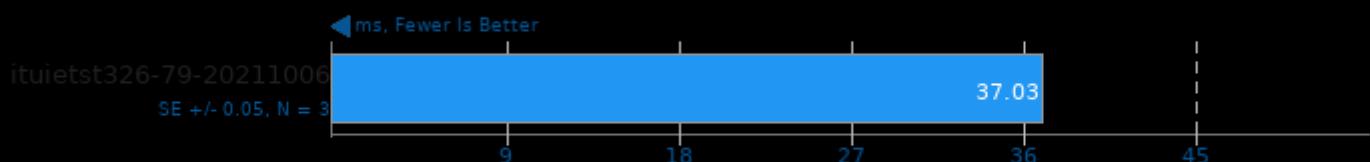
Scaling Factor: 1 - Clients: 100 - Mode: Read Write



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

PostgreSQL 15

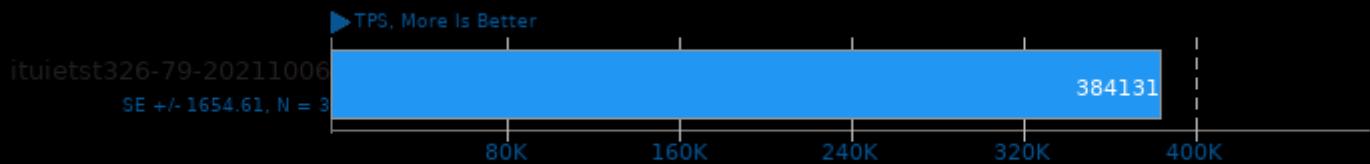
Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL 15

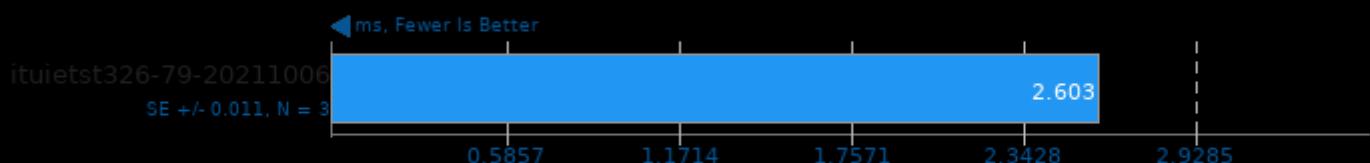
Scaling Factor: 1 - Clients: 1000 - Mode: Read Only



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

PostgreSQL 15

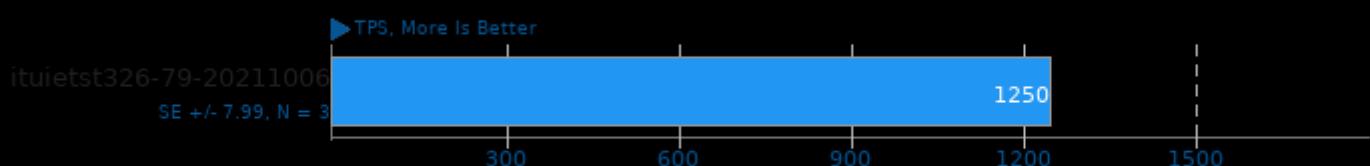
Scaling Factor: 1 - Clients: 1000 - Mode: Read Only - Average Latency



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

PostgreSQL 15

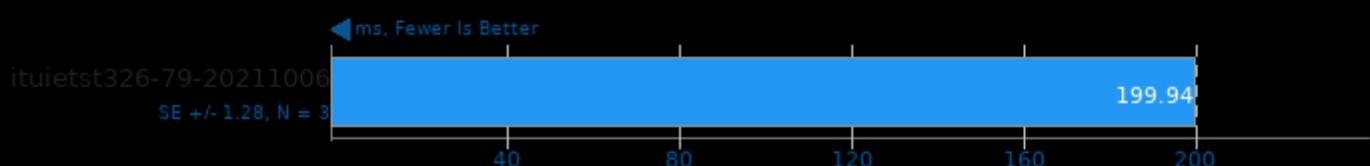
Scaling Factor: 1 - Clients: 250 - Mode: Read Write



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

PostgreSQL 15

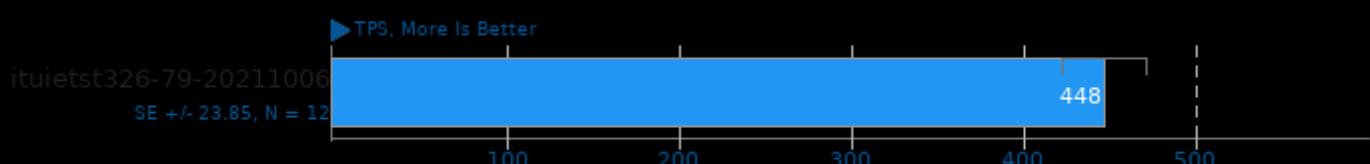
Scaling Factor: 1 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL 15

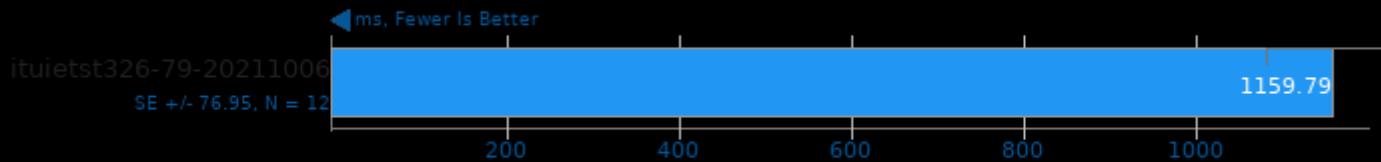
Scaling Factor: 1 - Clients: 500 - Mode: Read Write



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

PostgreSQL 15

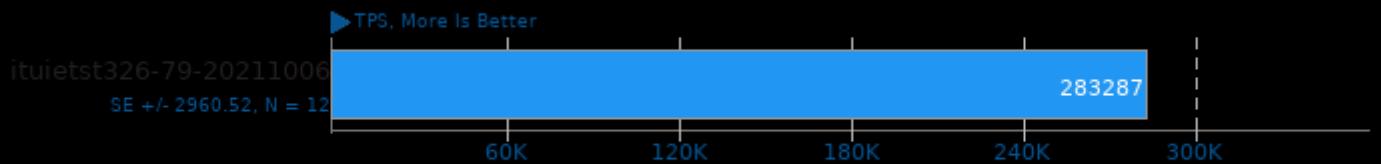
Scaling Factor: 1 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL 15

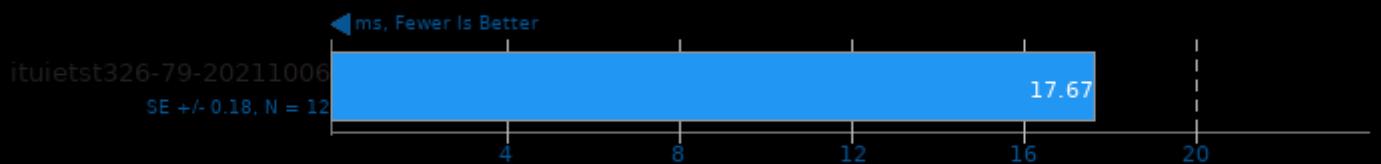
Scaling Factor: 1 - Clients: 5000 - Mode: Read Only



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

PostgreSQL 15

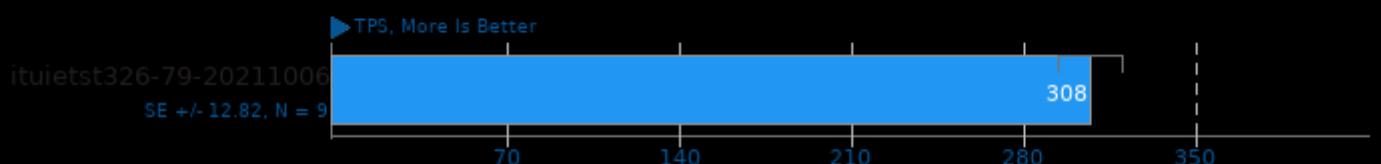
Scaling Factor: 1 - Clients: 5000 - Mode: Read Only - Average Latency



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

PostgreSQL 15

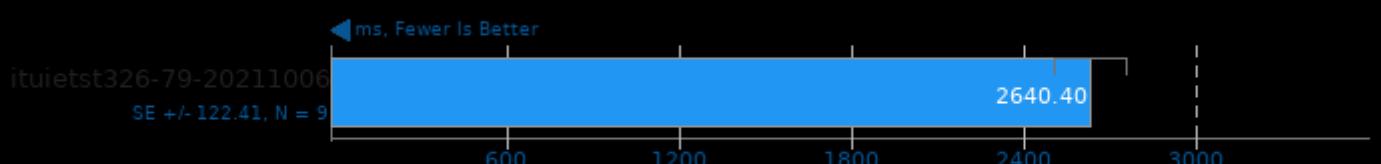
Scaling Factor: 1 - Clients: 800 - Mode: Read Write



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

PostgreSQL 15

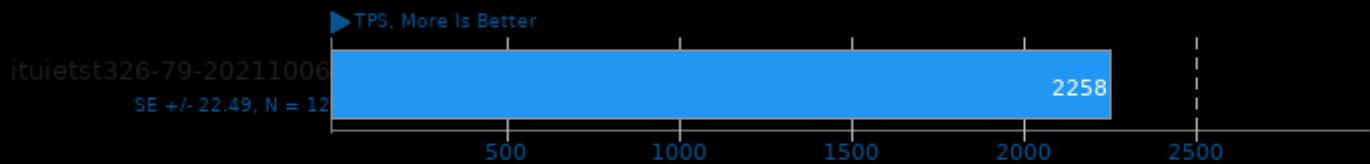
Scaling Factor: 1 - Clients: 800 - Mode: Read Write - Average Latency



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

PostgreSQL 15

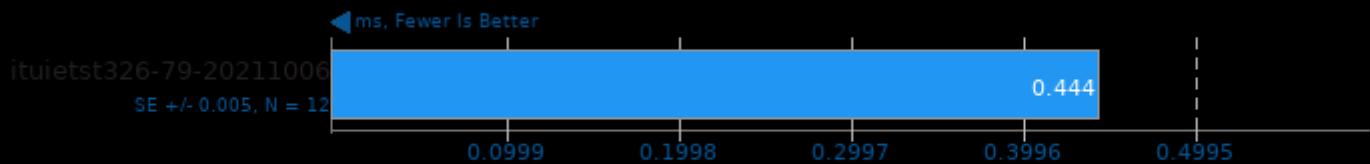
Scaling Factor: 100 - Clients: 1 - Mode: Read Write



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

PostgreSQL 15

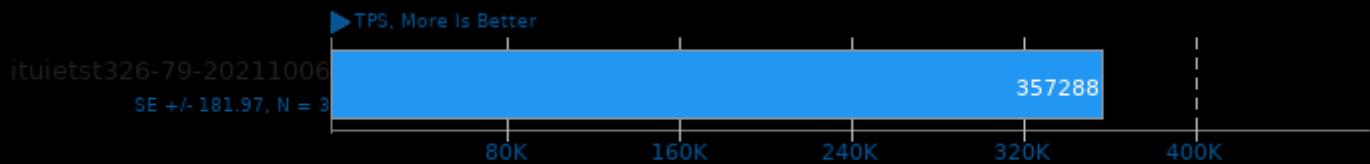
Scaling Factor: 100 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL 15

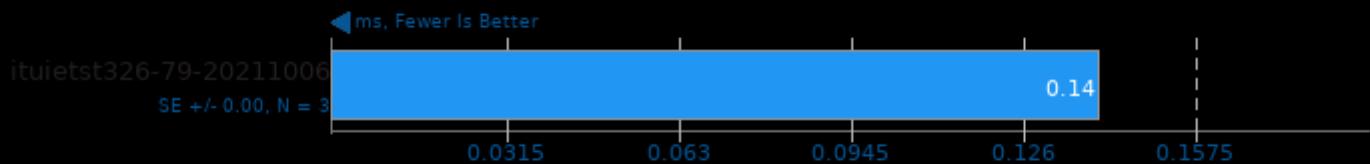
Scaling Factor: 100 - Clients: 50 - Mode: Read Only



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

PostgreSQL 15

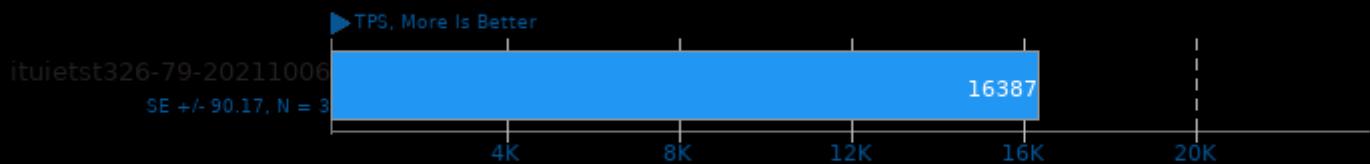
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL 15

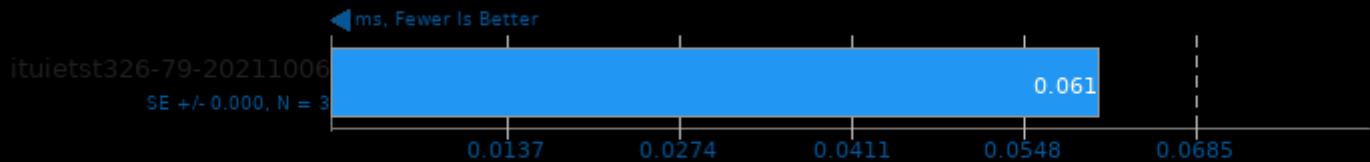
Scaling Factor: 1000 - Clients: 1 - Mode: Read Only



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

PostgreSQL 15

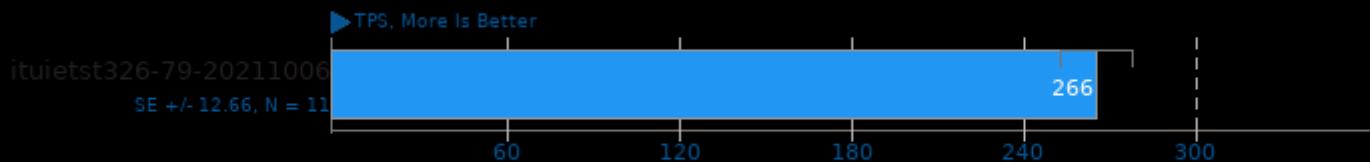
Scaling Factor: 1000 - Clients: 1 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lgpgcommon -lgpgport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

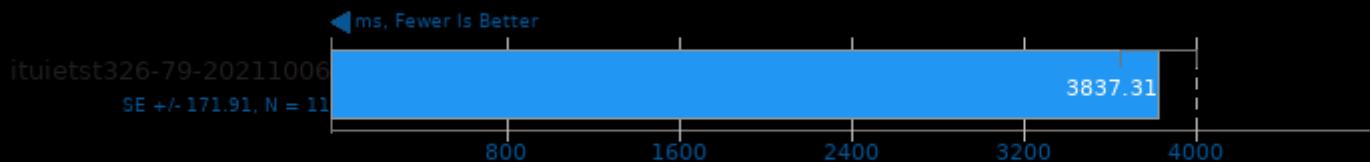
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lgpgcommon -lgpgport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

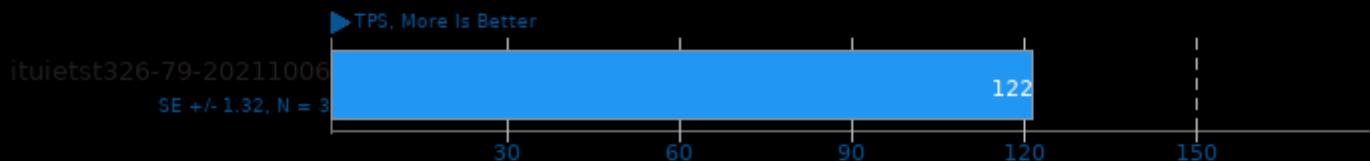
Scaling Factor: 1 - Clients: 1000 - Mode: Read Write - Average Latency



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PostgreSQL 15

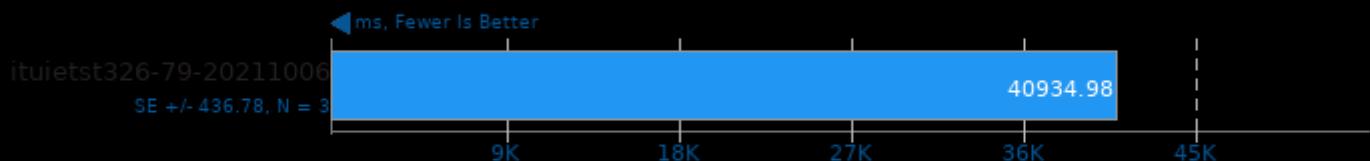
Scaling Factor: 1 - Clients: 5000 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lgpgcommon -lgpgport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

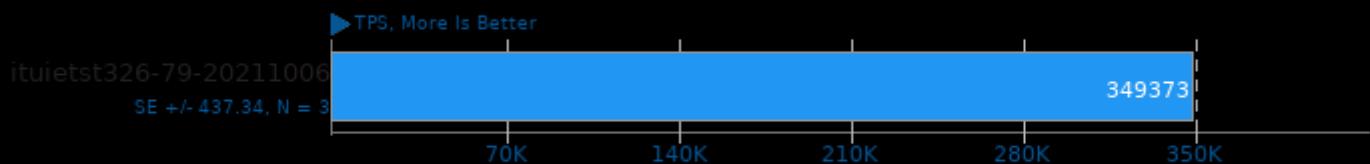
Scaling Factor: 1 - Clients: 5000 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lgpgcommon -lgpgport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

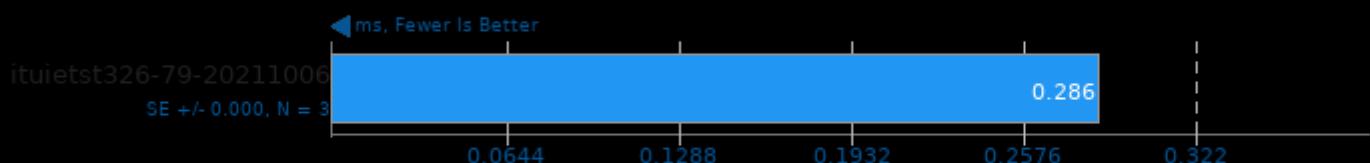
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

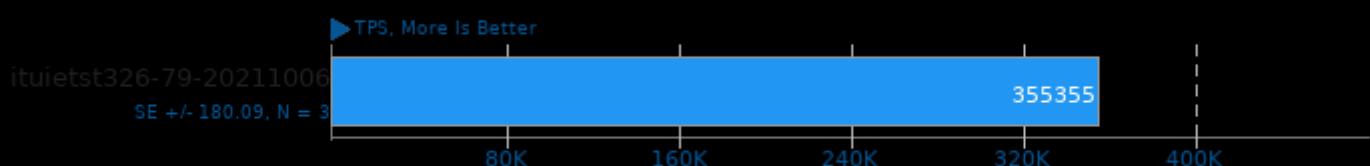
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

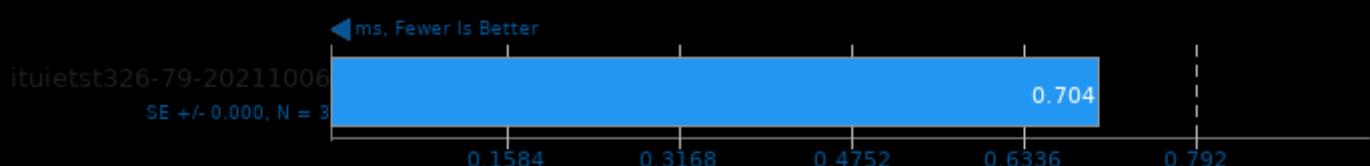
Scaling Factor: 100 - Clients: 250 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

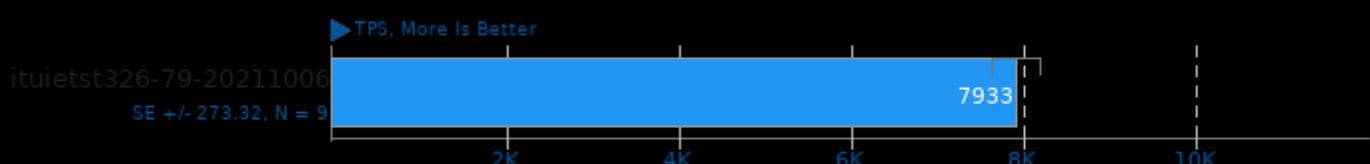
Scaling Factor: 100 - Clients: 250 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

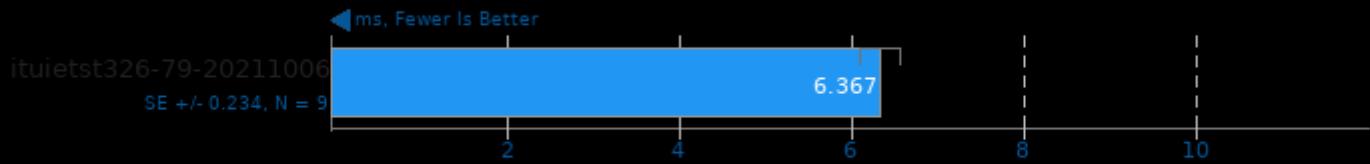
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

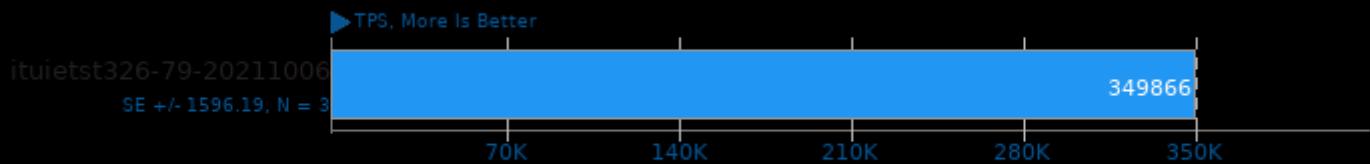
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL 15

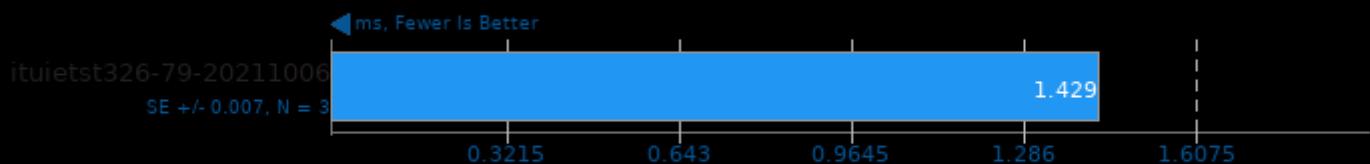
Scaling Factor: 100 - Clients: 500 - Mode: Read Only



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

PostgreSQL 15

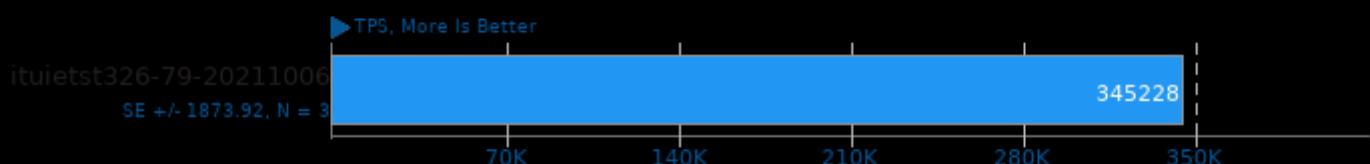
Scaling Factor: 100 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL 15

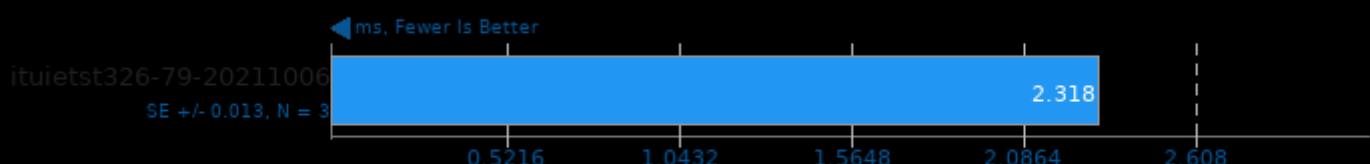
Scaling Factor: 100 - Clients: 800 - Mode: Read Only



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

PostgreSQL 15

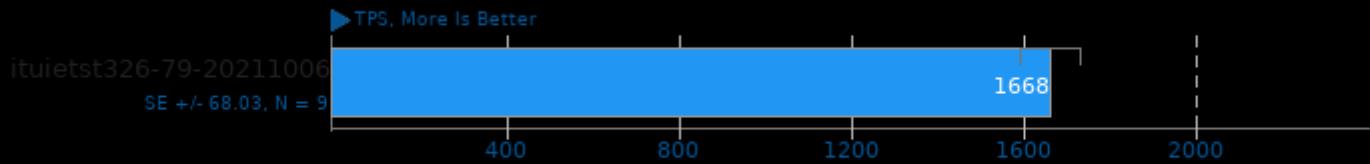
Scaling Factor: 100 - Clients: 800 - Mode: Read Only - Average Latency



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

PostgreSQL 15

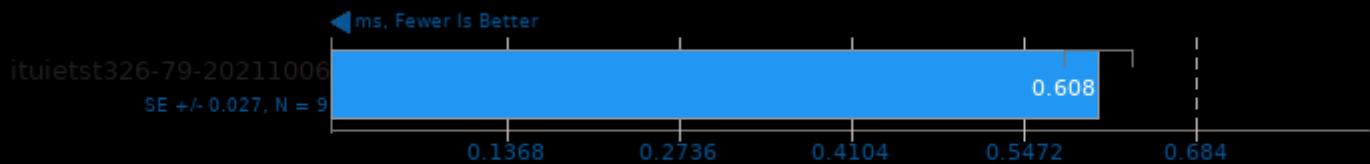
Scaling Factor: 1000 - Clients: 1 - Mode: Read Write



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

PostgreSQL 15

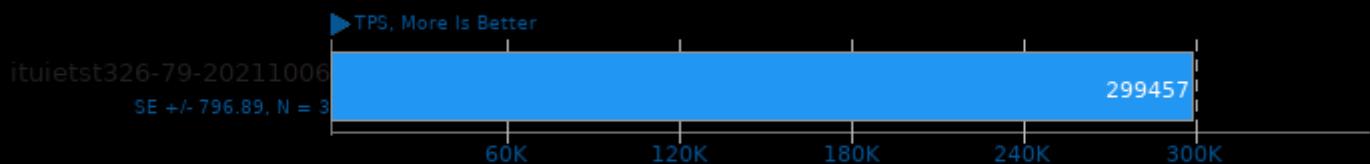
Scaling Factor: 1000 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL 15

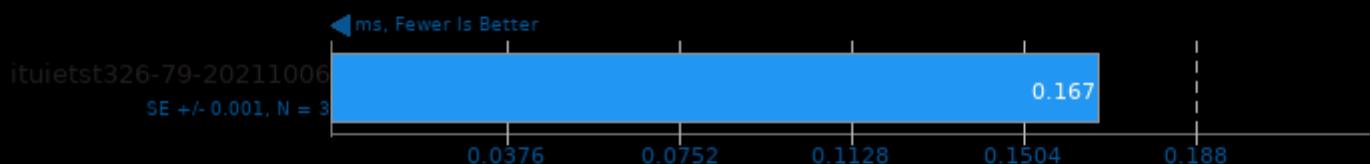
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

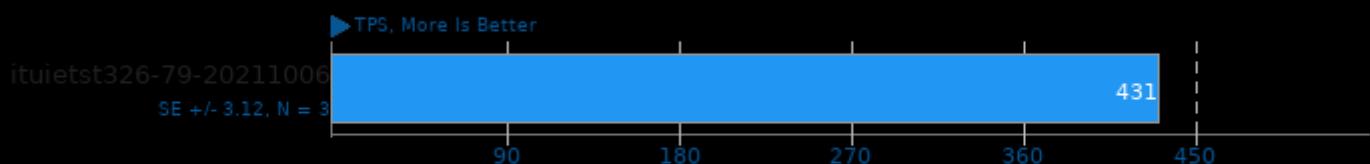
Scaling Factor: 1000 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL 15

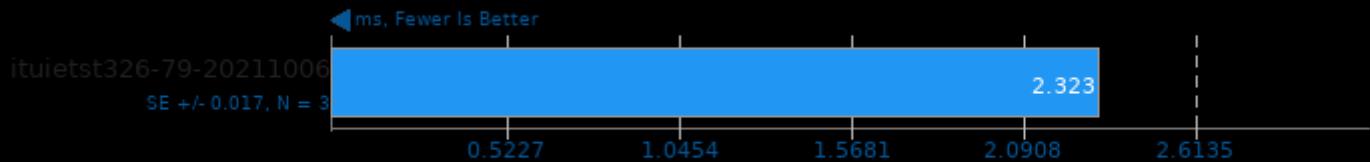
Scaling Factor: 10000 - Clients: 1 - Mode: Read Only



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

PostgreSQL 15

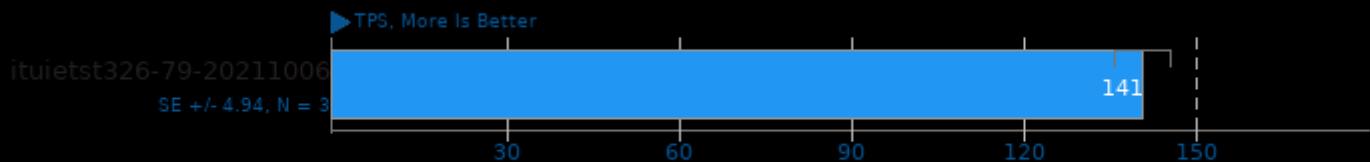
Scaling Factor: 10000 - Clients: 1 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

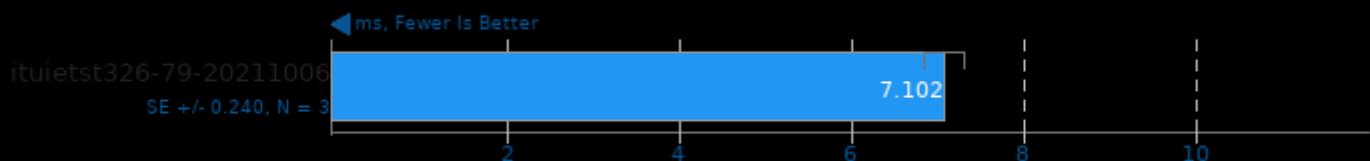
Scaling Factor: 25000 - Clients: 1 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

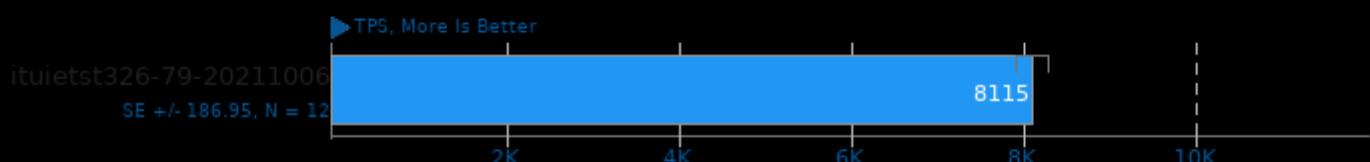
Scaling Factor: 25000 - Clients: 1 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

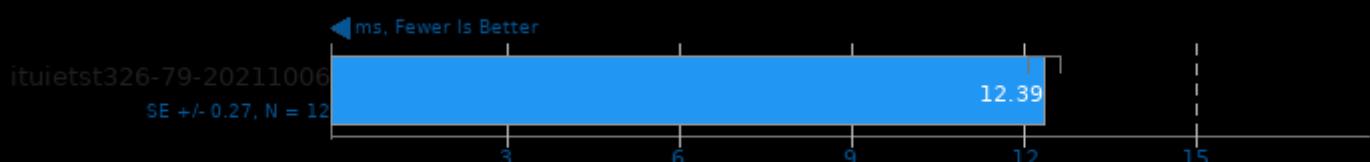
Scaling Factor: 100 - Clients: 100 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

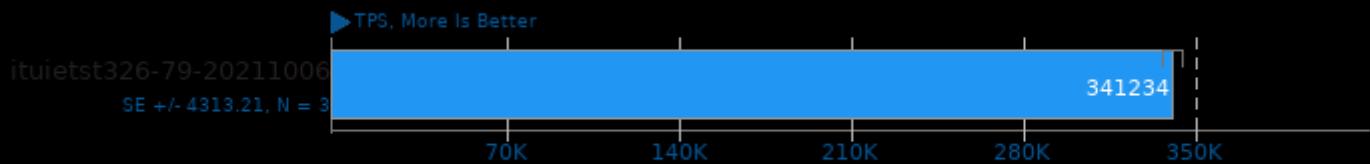
Scaling Factor: 100 - Clients: 100 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

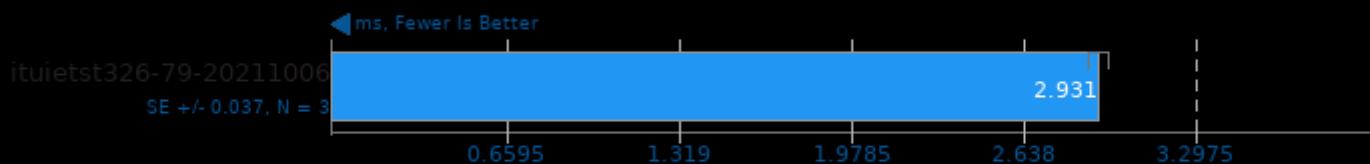
Scaling Factor: 100 - Clients: 1000 - Mode: Read Only



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

PostgreSQL 15

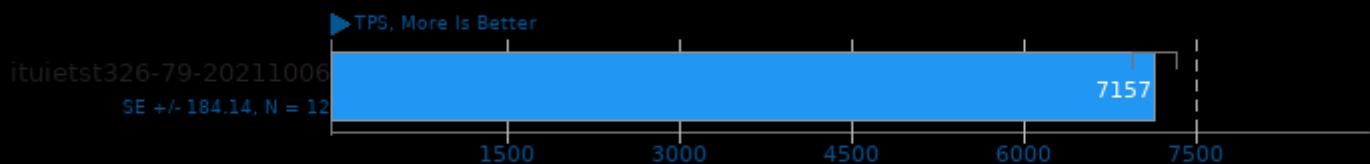
Scaling Factor: 100 - Clients: 1000 - Mode: Read Only - Average Latency



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

PostgreSQL 15

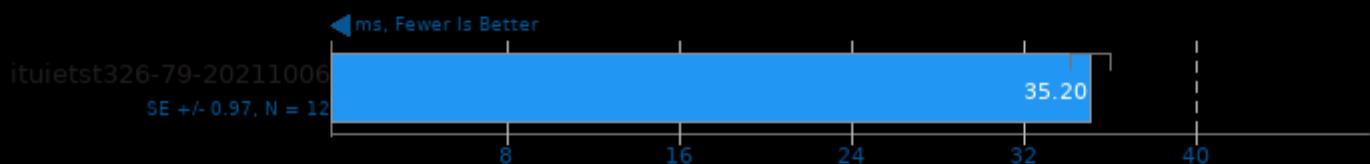
Scaling Factor: 100 - Clients: 250 - Mode: Read Write



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

PostgreSQL 15

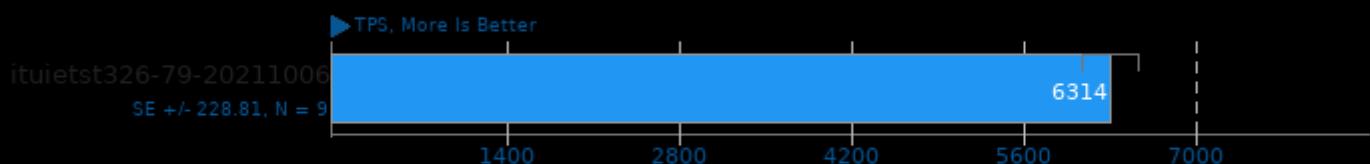
Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL 15

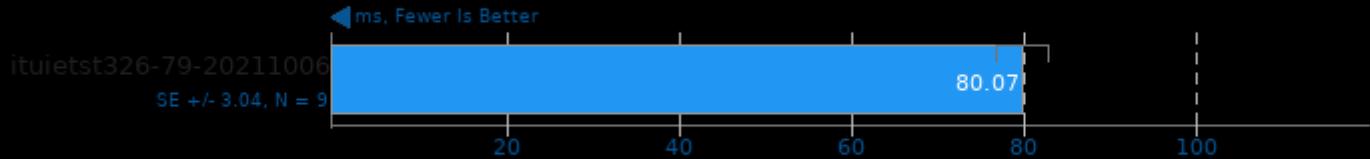
Scaling Factor: 100 - Clients: 500 - Mode: Read Write



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

PostgreSQL 15

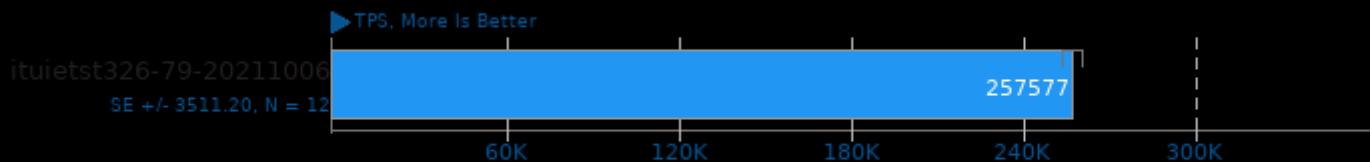
Scaling Factor: 100 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL 15

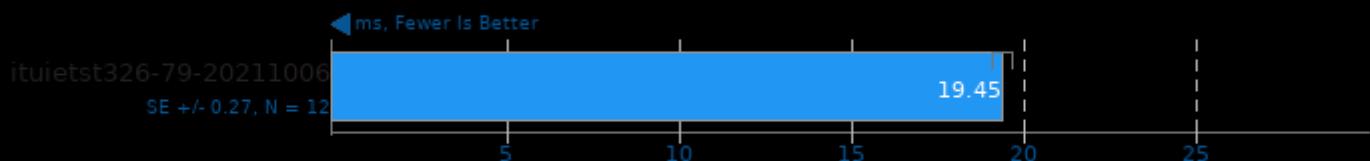
Scaling Factor: 100 - Clients: 5000 - Mode: Read Only



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

PostgreSQL 15

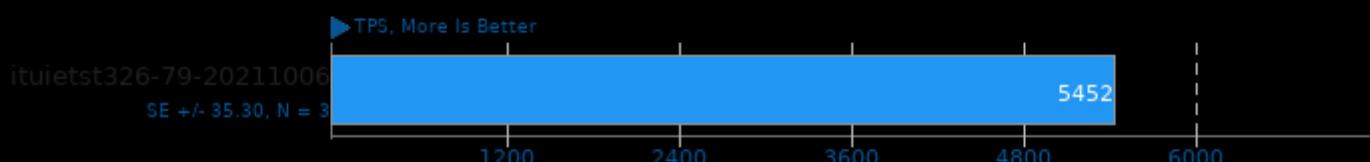
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

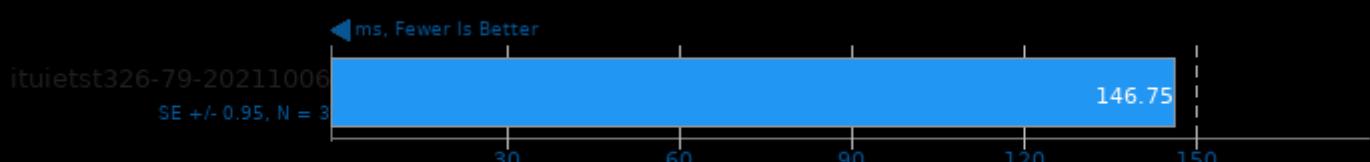
Scaling Factor: 100 - Clients: 800 - Mode: Read Write



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

PostgreSQL 15

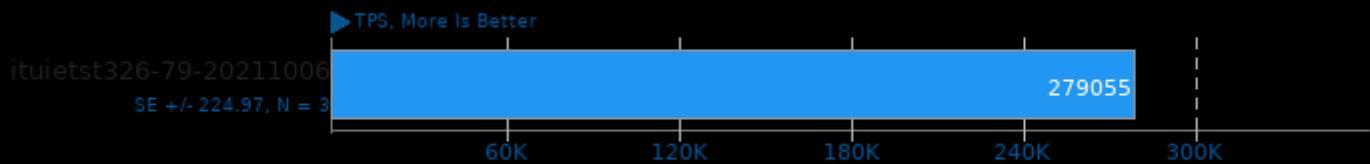
Scaling Factor: 100 - Clients: 800 - Mode: Read Write - Average Latency



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

PostgreSQL 15

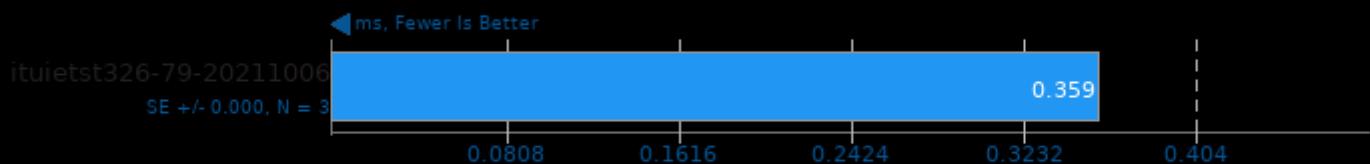
Scaling Factor: 1000 - Clients: 100 - Mode: Read Only



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

PostgreSQL 15

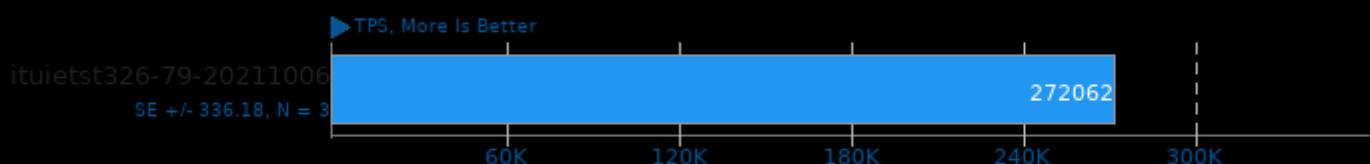
Scaling Factor: 1000 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL 15

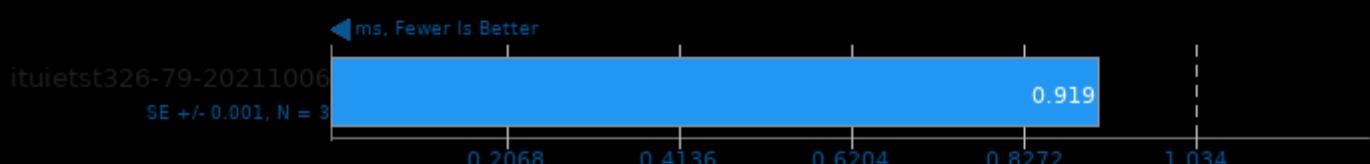
Scaling Factor: 1000 - Clients: 250 - Mode: Read Only



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

PostgreSQL 15

Scaling Factor: 1000 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL 15

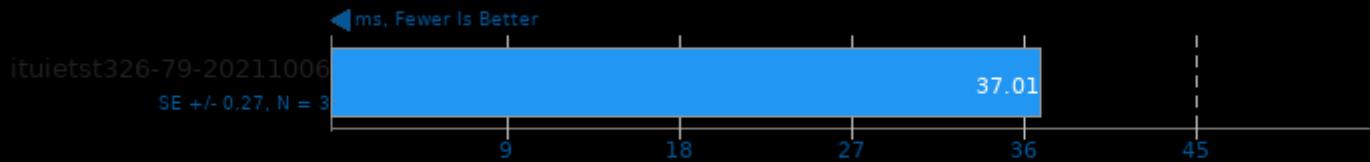
Scaling Factor: 1000 - Clients: 50 - Mode: Read Write



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

PostgreSQL 15

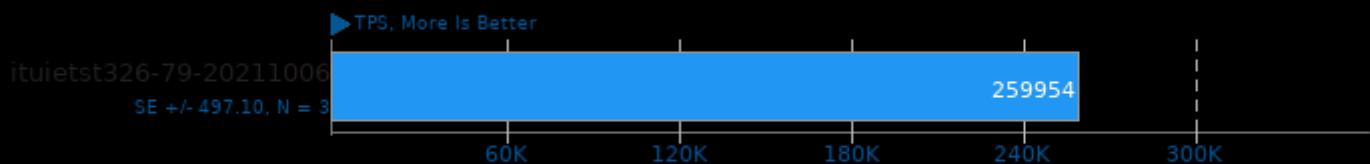
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

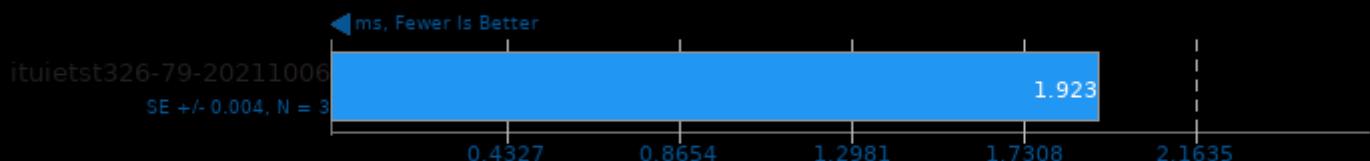
Scaling Factor: 1000 - Clients: 500 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

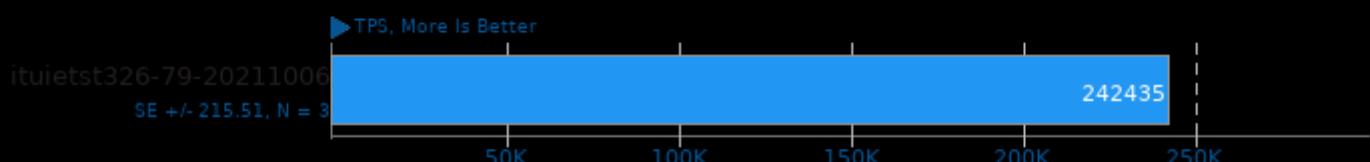
Scaling Factor: 1000 - Clients: 500 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

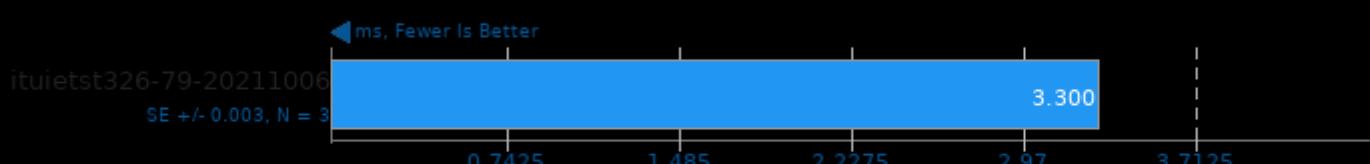
Scaling Factor: 1000 - Clients: 800 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

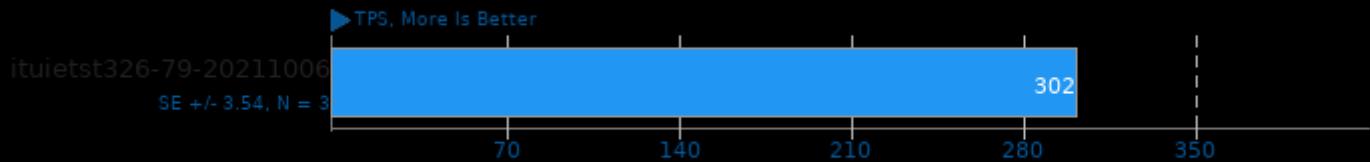
Scaling Factor: 1000 - Clients: 800 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

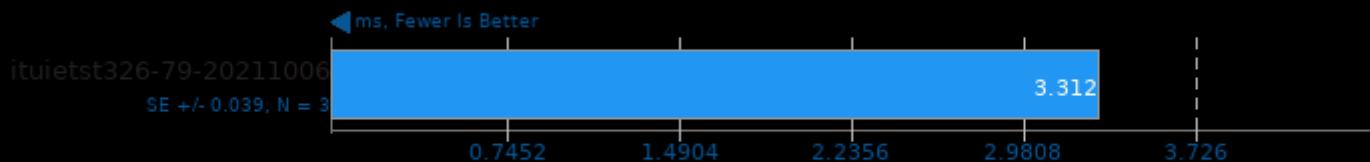
Scaling Factor: 10000 - Clients: 1 - Mode: Read Write



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

PostgreSQL 15

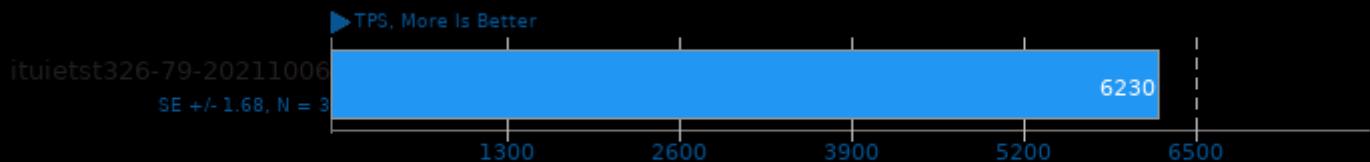
Scaling Factor: 10000 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL 15

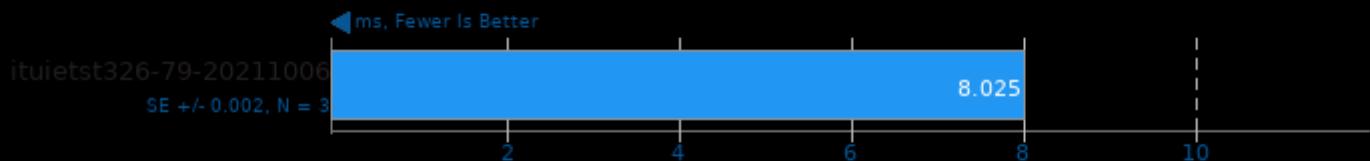
Scaling Factor: 10000 - Clients: 50 - Mode: Read Only



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

PostgreSQL 15

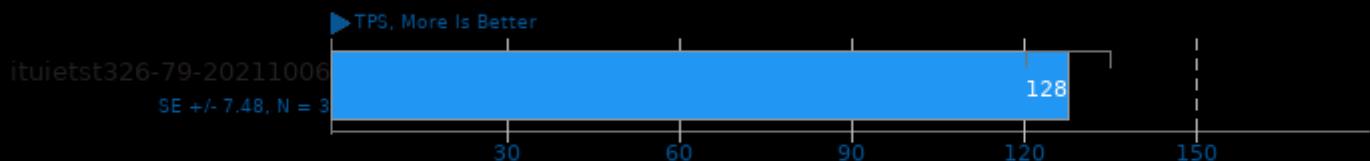
Scaling Factor: 10000 - Clients: 50 - Mode: Read Only - Average Latency



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PostgreSQL 15

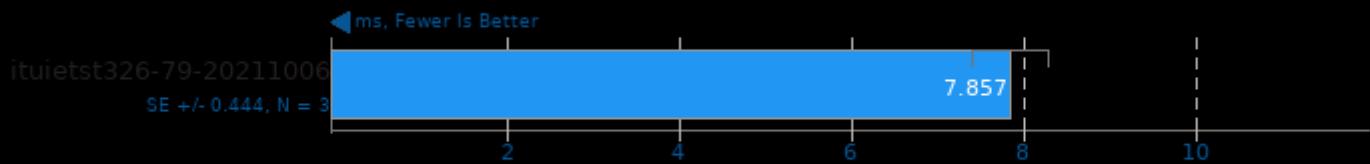
Scaling Factor: 25000 - Clients: 1 - Mode: Read Write



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

PostgreSQL 15

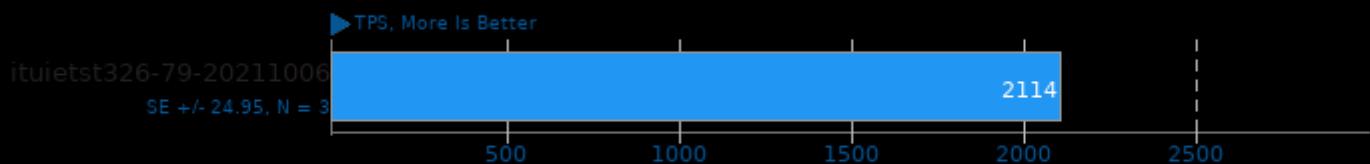
Scaling Factor: 25000 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL 15

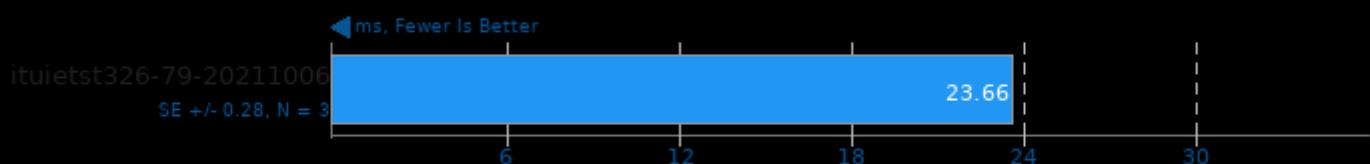
Scaling Factor: 25000 - Clients: 50 - Mode: Read Only



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

PostgreSQL 15

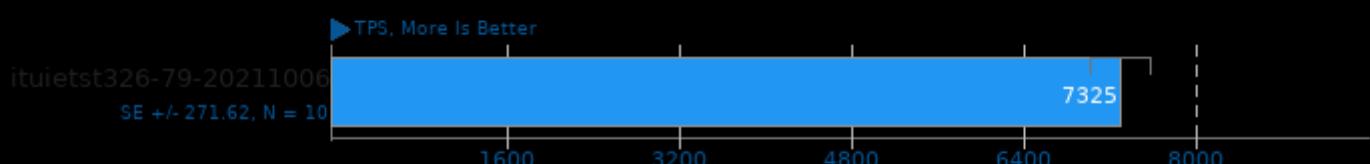
Scaling Factor: 25000 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL 15

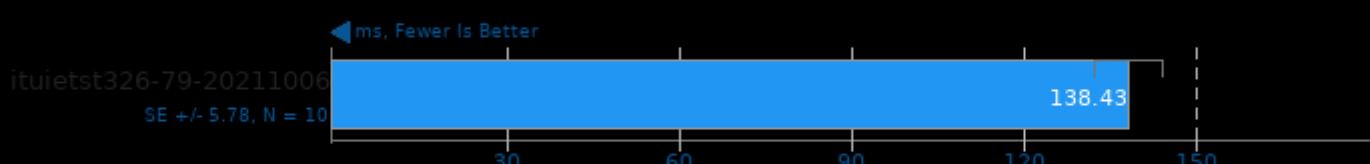
Scaling Factor: 100 - Clients: 1000 - Mode: Read Write



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

PostgreSQL 15

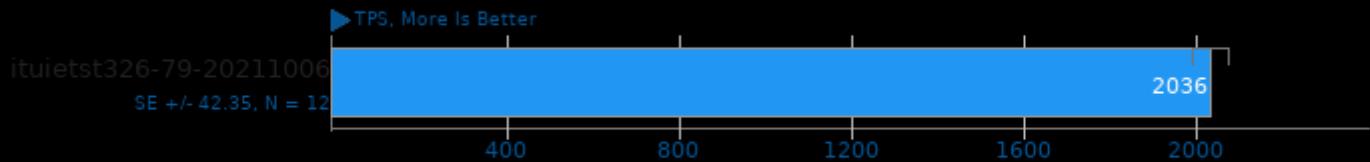
Scaling Factor: 100 - Clients: 1000 - Mode: Read Write - Average Latency



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

PostgreSQL 15

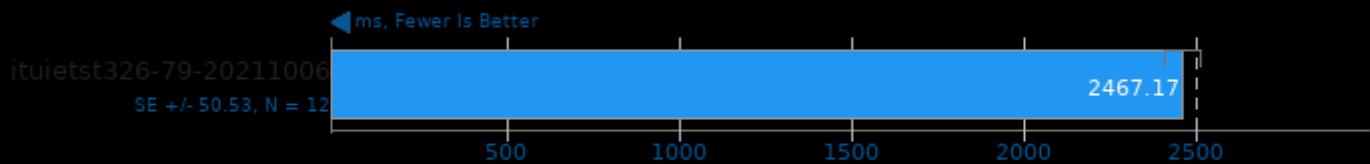
Scaling Factor: 100 - Clients: 5000 - Mode: Read Write



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

PostgreSQL 15

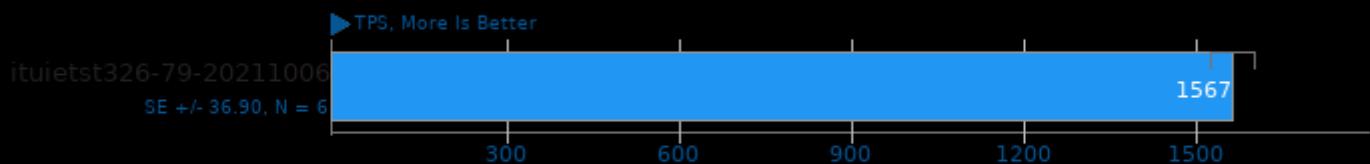
Scaling Factor: 100 - Clients: 5000 - Mode: Read Write - Average Latency



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

PostgreSQL 15

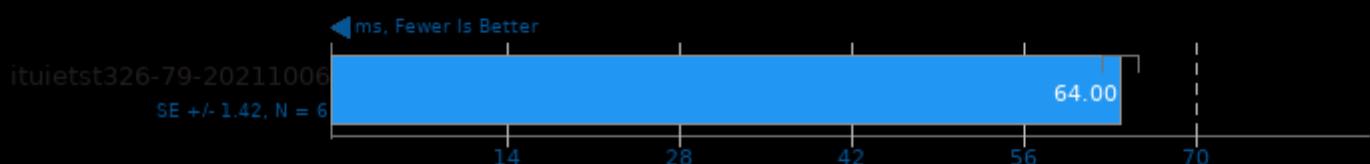
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

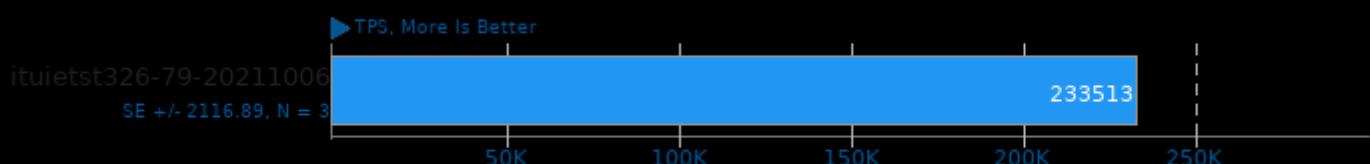
Scaling Factor: 1000 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL 15

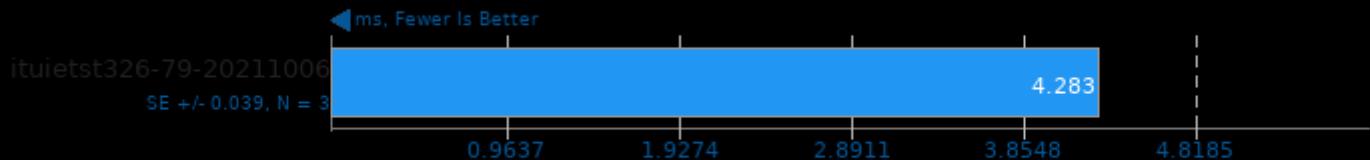
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

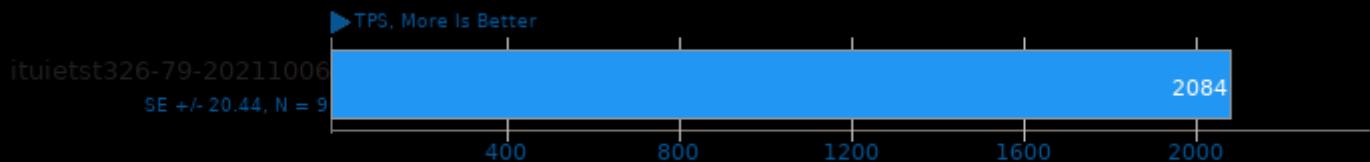
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

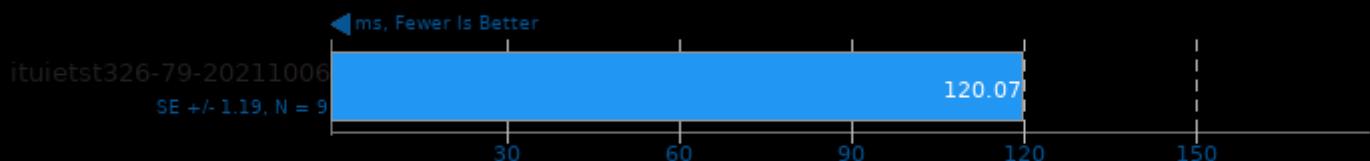
Scaling Factor: 1000 - Clients: 250 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

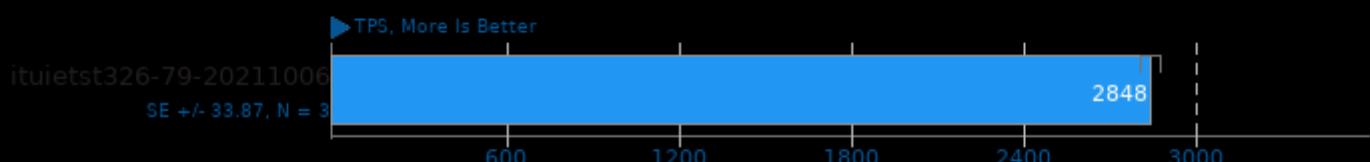
Scaling Factor: 1000 - Clients: 250 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

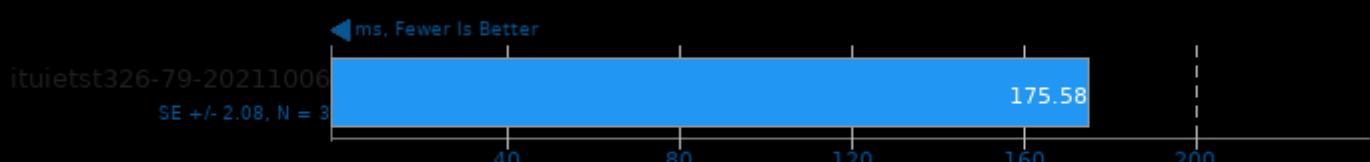
Scaling Factor: 1000 - Clients: 500 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

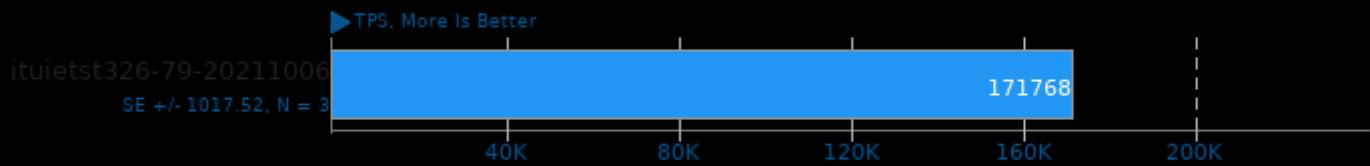
Scaling Factor: 1000 - Clients: 500 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lpq -pthread -lrt -ldl -lm

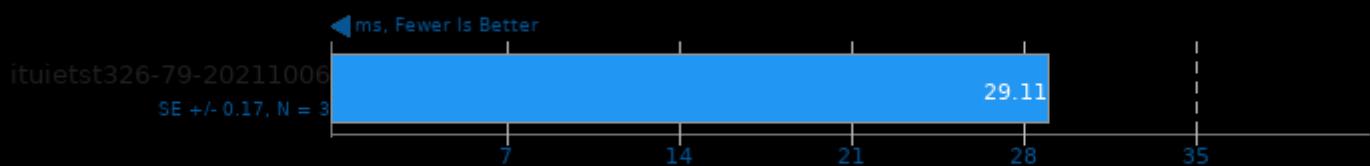
PostgreSQL 15

Scaling Factor: 1000 - Clients: 5000 - Mode: Read Only



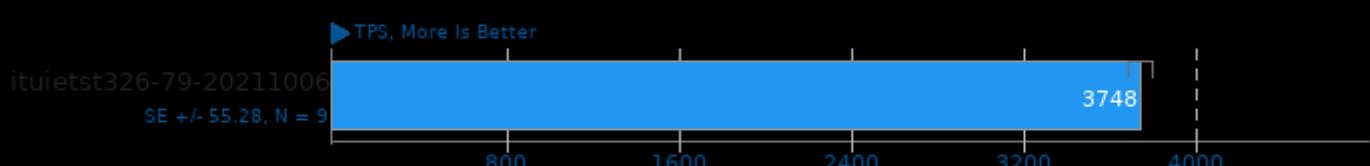
PostgreSQL 15

Scaling Factor: 1000 - Clients: 5000 - Mode: Read Only - Average Latency



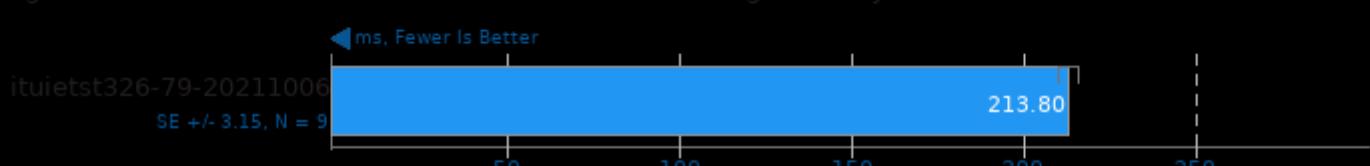
PostgreSQL 15

Scaling Factor: 1000 - Clients: 800 - Mode: Read Write



PostgreSQL 15

Scaling Factor: 1000 - Clients: 800 - Mode: Read Write - Average Latency



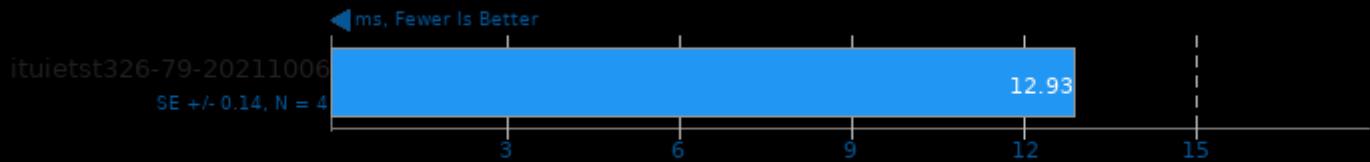
PostgreSQL 15

Scaling Factor: 10000 - Clients: 100 - Mode: Read Only



PostgreSQL 15

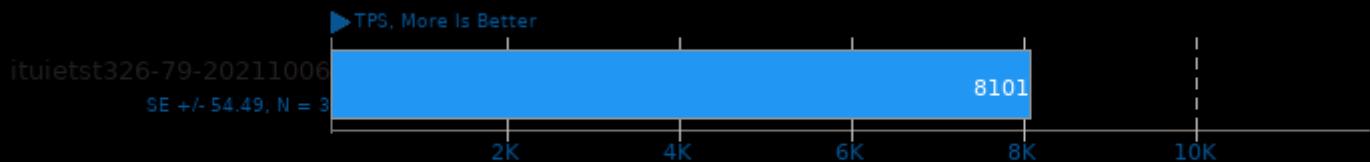
Scaling Factor: 10000 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL 15

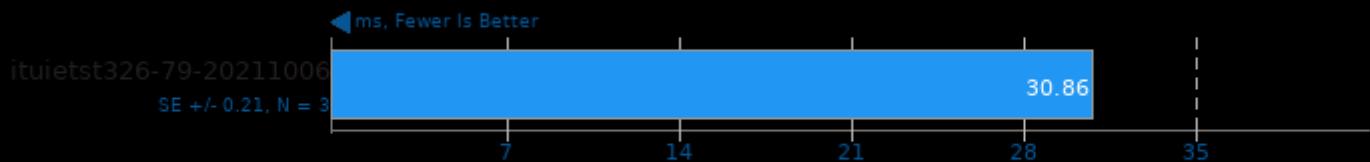
Scaling Factor: 10000 - Clients: 250 - Mode: Read Only



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

PostgreSQL 15

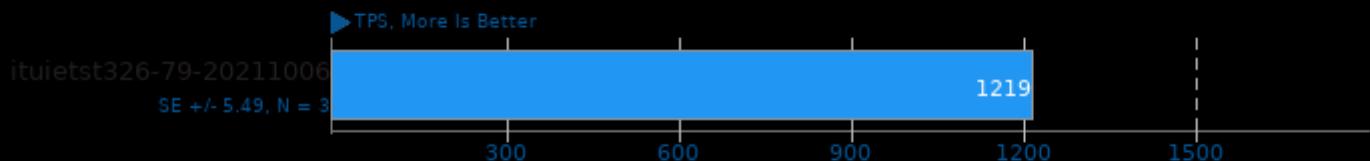
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

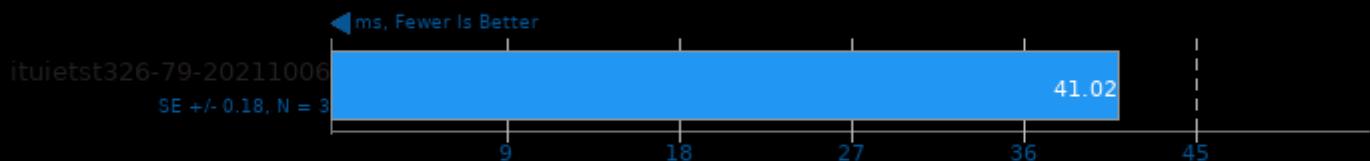
Scaling Factor: 10000 - Clients: 50 - Mode: Read Write



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

PostgreSQL 15

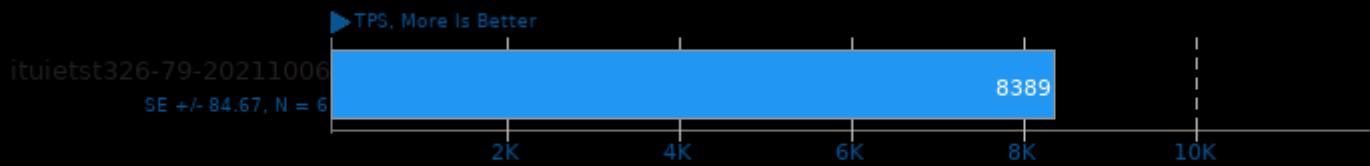
Scaling Factor: 10000 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL 15

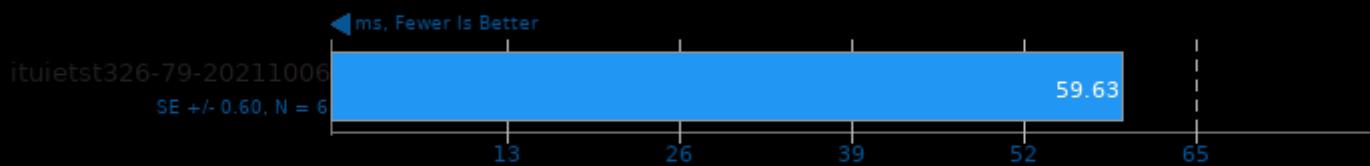
Scaling Factor: 10000 - Clients: 500 - Mode: Read Only



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

PostgreSQL 15

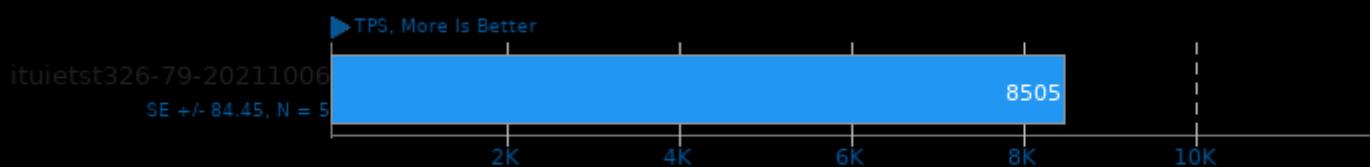
Scaling Factor: 10000 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL 15

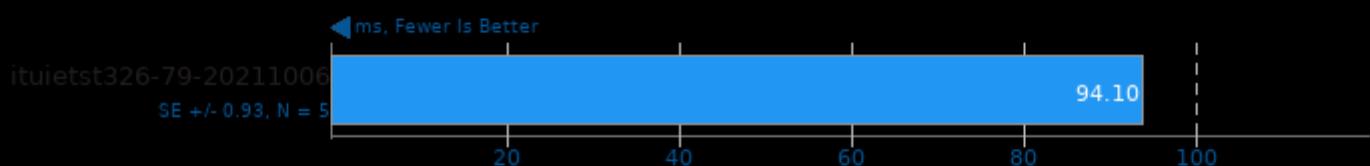
Scaling Factor: 10000 - Clients: 800 - Mode: Read Only



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

PostgreSQL 15

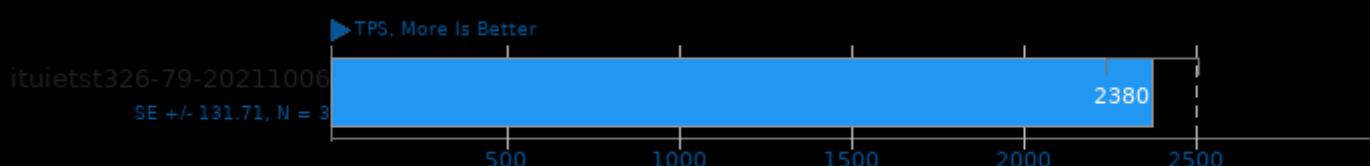
Scaling Factor: 10000 - Clients: 800 - Mode: Read Only - Average Latency



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

PostgreSQL 15

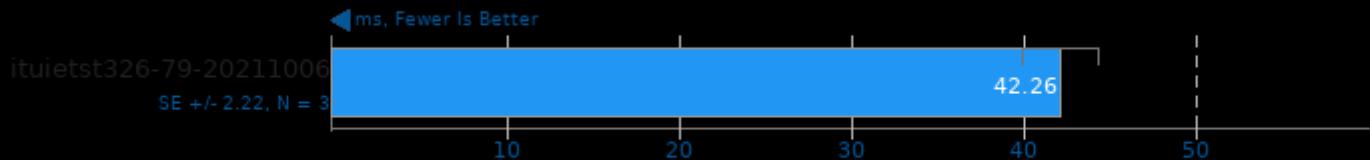
Scaling Factor: 25000 - Clients: 100 - Mode: Read Only



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

PostgreSQL 15

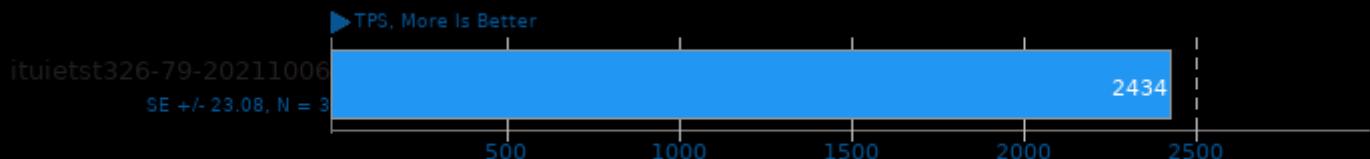
Scaling Factor: 25000 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL 15

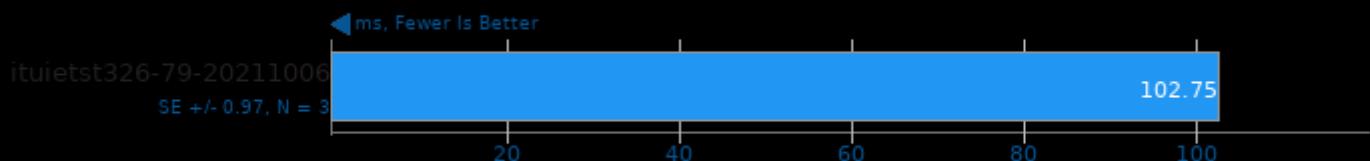
Scaling Factor: 25000 - Clients: 250 - Mode: Read Only



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

PostgreSQL 15

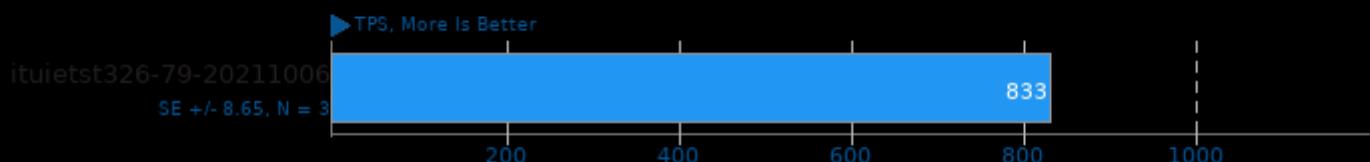
Scaling Factor: 25000 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL 15

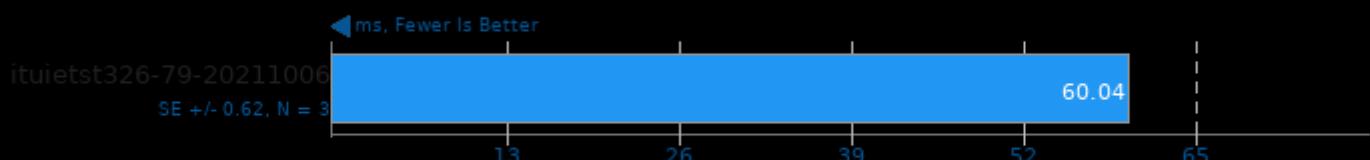
Scaling Factor: 25000 - Clients: 50 - Mode: Read Write



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

PostgreSQL 15

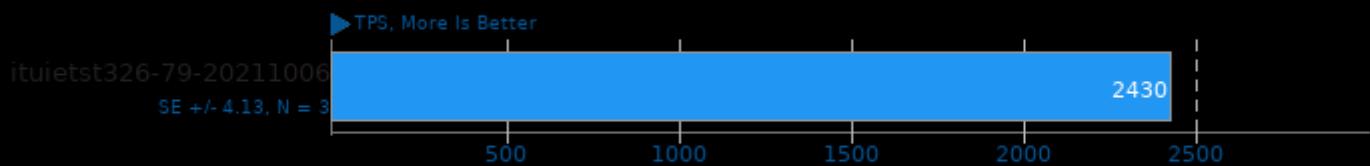
Scaling Factor: 25000 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL 15

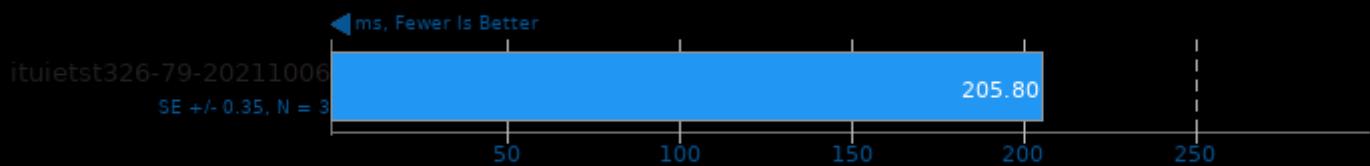
Scaling Factor: 25000 - Clients: 500 - Mode: Read Only



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

PostgreSQL 15

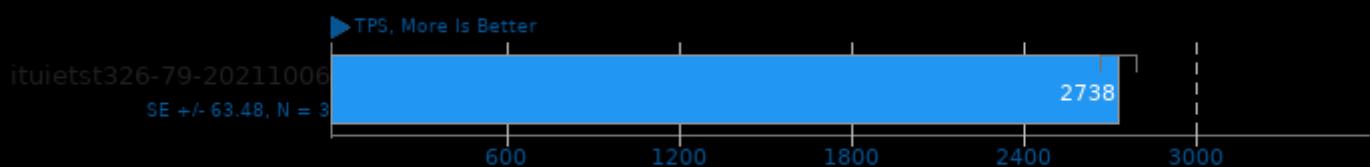
Scaling Factor: 25000 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL 15

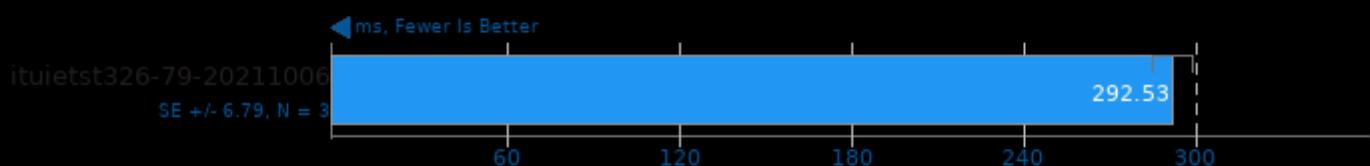
Scaling Factor: 25000 - Clients: 800 - Mode: Read Only



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

PostgreSQL 15

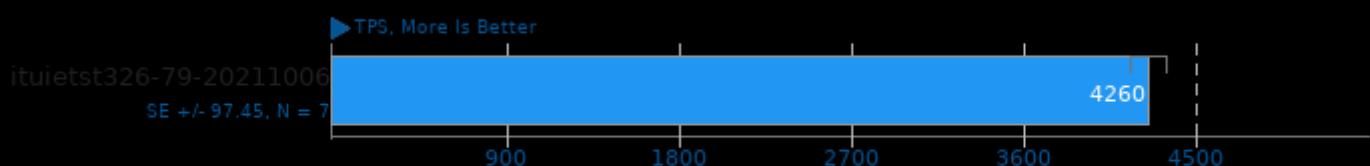
Scaling Factor: 25000 - Clients: 800 - Mode: Read Only - Average Latency



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

PostgreSQL 15

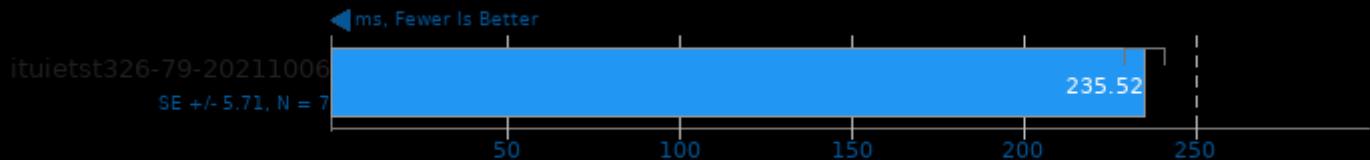
Scaling Factor: 1000 - Clients: 1000 - Mode: Read Write



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

PostgreSQL 15

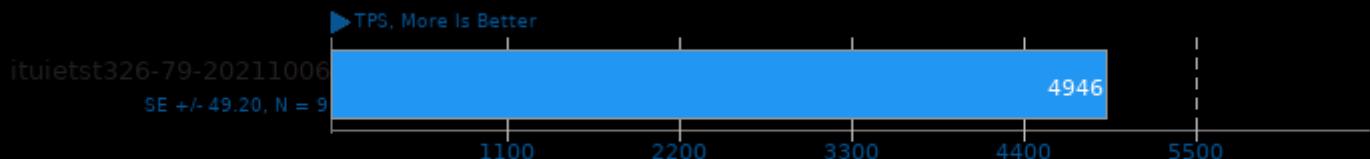
Scaling Factor: 1000 - Clients: 1000 - Mode: Read Write - Average Latency



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

PostgreSQL 15

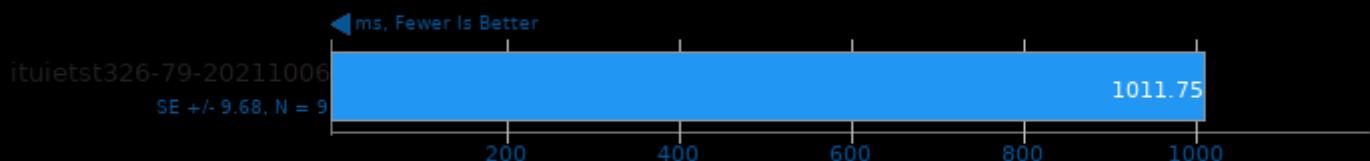
Scaling Factor: 1000 - Clients: 5000 - Mode: Read Write



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

PostgreSQL 15

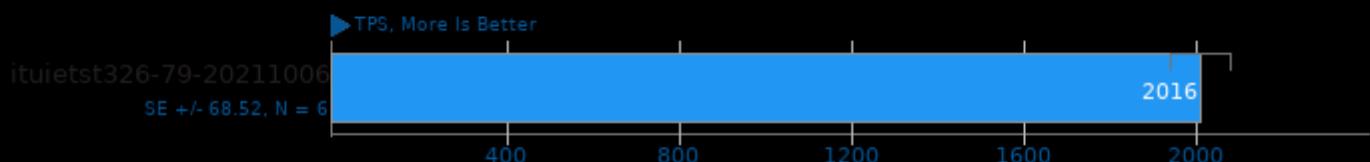
Scaling Factor: 1000 - Clients: 5000 - Mode: Read Write - Average Latency



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

PostgreSQL 15

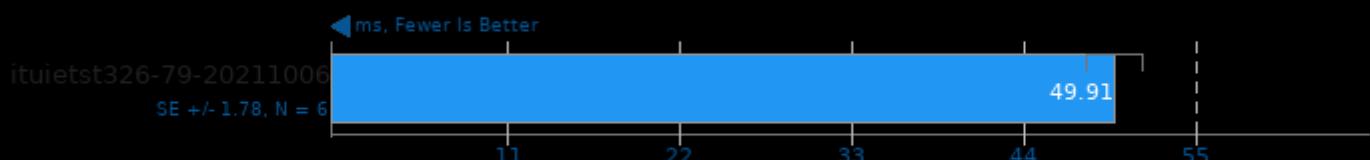
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

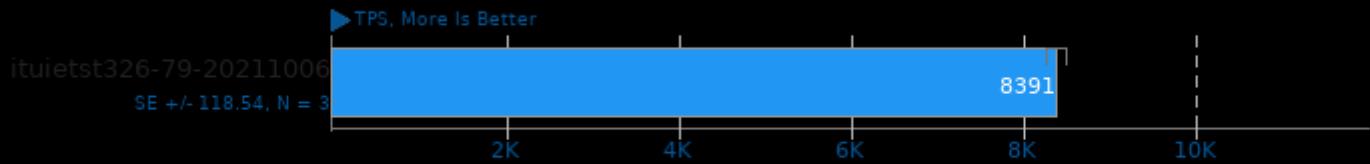
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

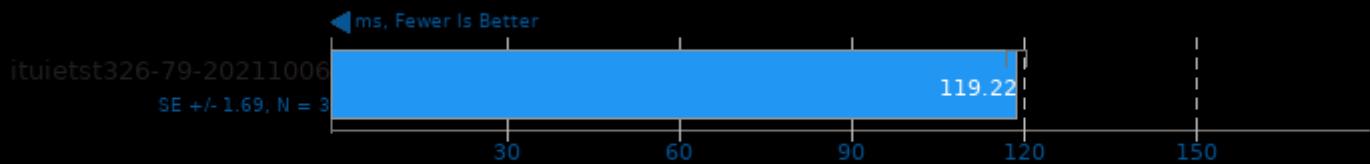
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

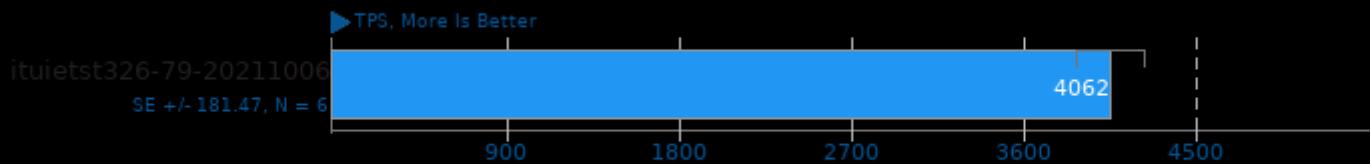
Scaling Factor: 10000 - Clients: 1000 - Mode: Read Only - Average Latency



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

PostgreSQL 15

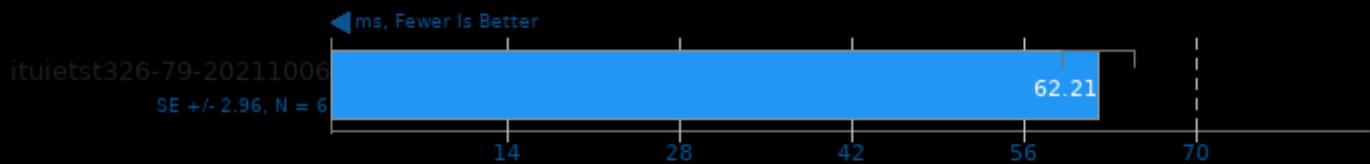
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpqport -lpq -pthread -lrt -ldl -lm

PostgreSQL 15

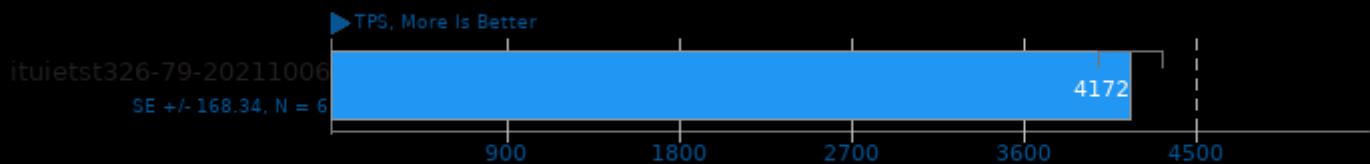
Scaling Factor: 10000 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL 15

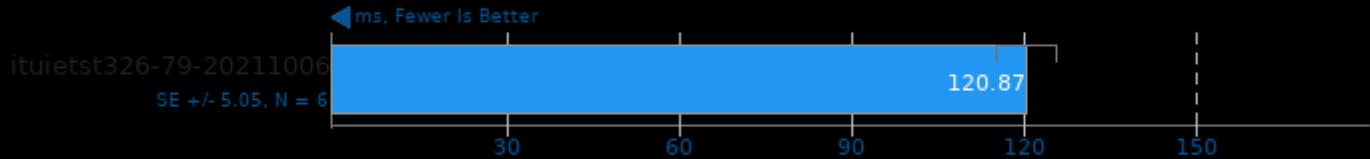
Scaling Factor: 10000 - Clients: 500 - Mode: Read Write



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

PostgreSQL 15

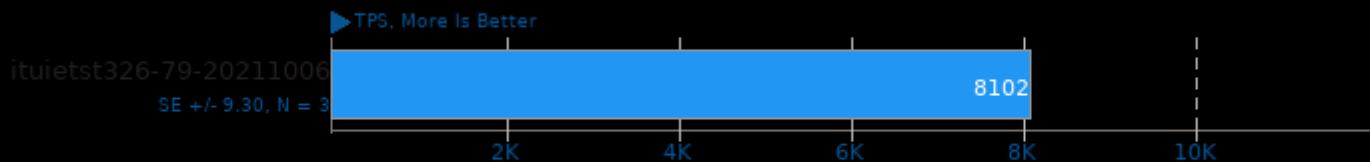
Scaling Factor: 10000 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL 15

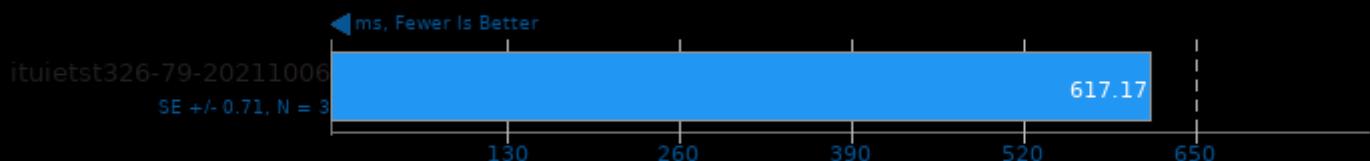
Scaling Factor: 10000 - Clients: 5000 - Mode: Read Only



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

PostgreSQL 15

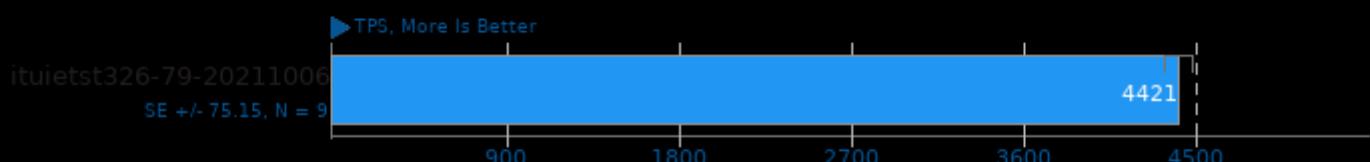
Scaling Factor: 10000 - Clients: 5000 - Mode: Read Only - Average Latency



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

PostgreSQL 15

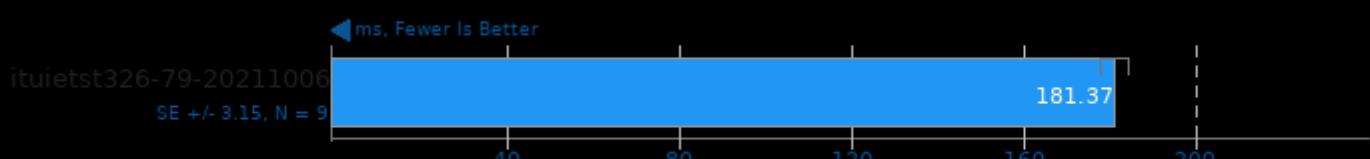
Scaling Factor: 10000 - Clients: 800 - Mode: Read Write



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

PostgreSQL 15

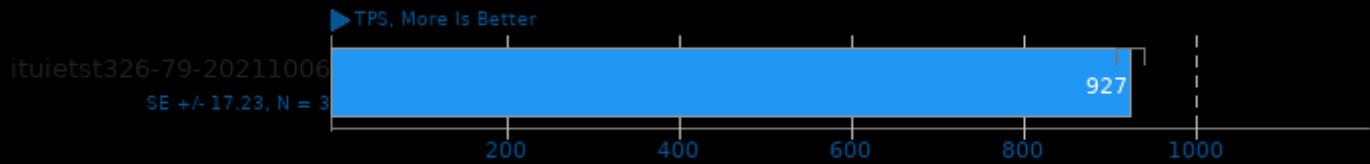
Scaling Factor: 10000 - Clients: 800 - Mode: Read Write - Average Latency



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

PostgreSQL 15

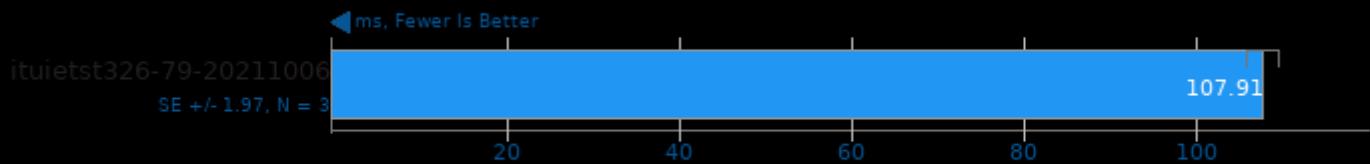
Scaling Factor: 25000 - Clients: 100 - Mode: Read Write



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

PostgreSQL 15

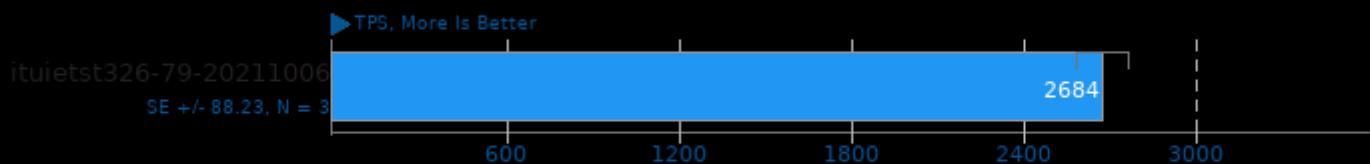
Scaling Factor: 25000 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL 15

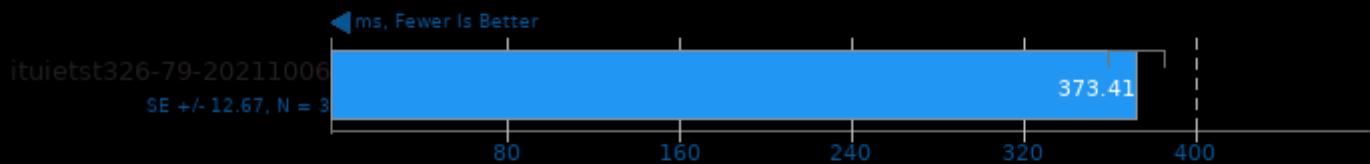
Scaling Factor: 25000 - Clients: 1000 - Mode: Read Only



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

PostgreSQL 15

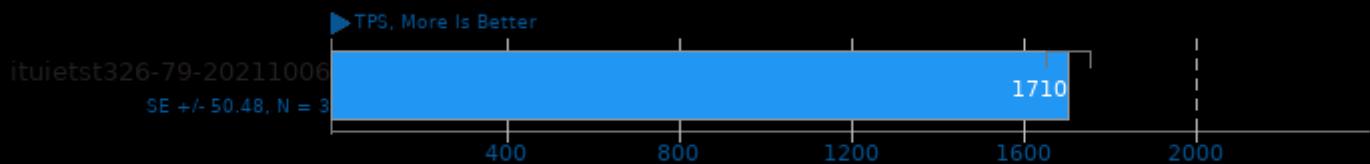
Scaling Factor: 25000 - Clients: 1000 - Mode: Read Only - Average Latency



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

PostgreSQL 15

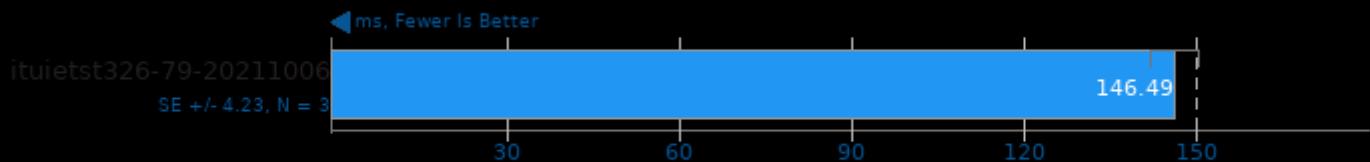
Scaling Factor: 25000 - Clients: 250 - Mode: Read Write



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

PostgreSQL 15

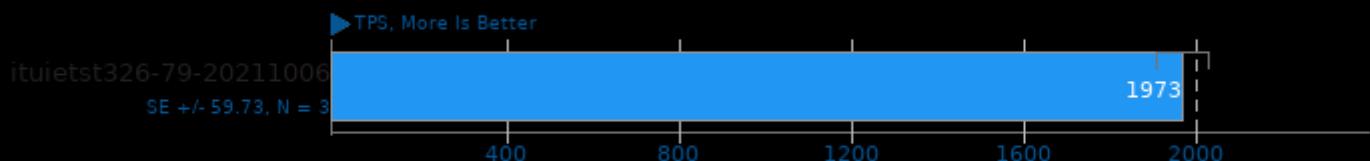
Scaling Factor: 25000 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL 15

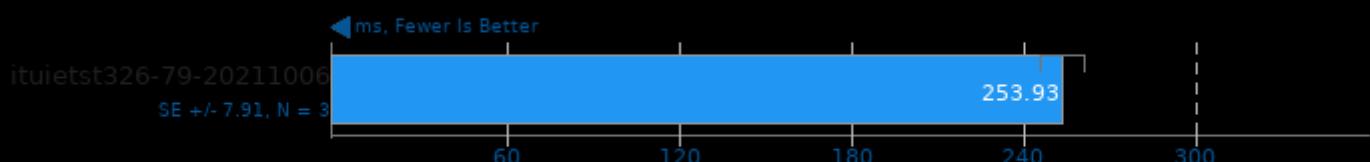
Scaling Factor: 25000 - Clients: 500 - Mode: Read Write



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

PostgreSQL 15

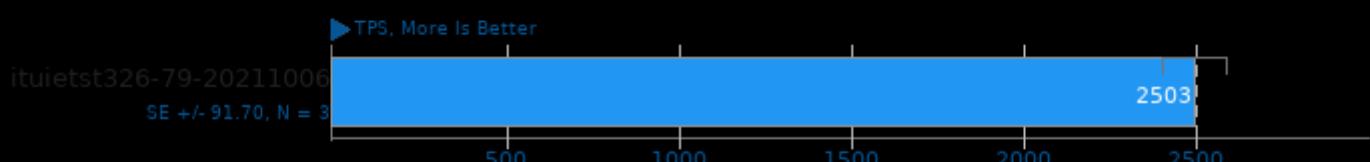
Scaling Factor: 25000 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL 15

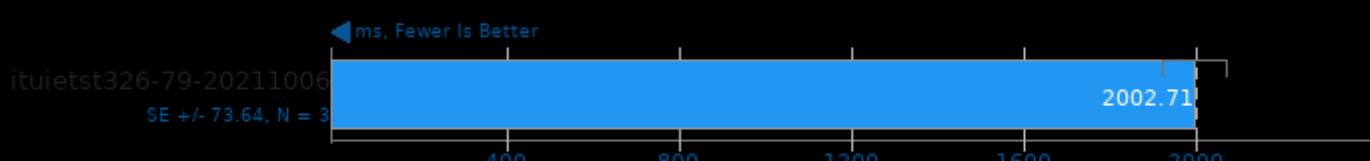
Scaling Factor: 25000 - Clients: 5000 - Mode: Read Only



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

PostgreSQL 15

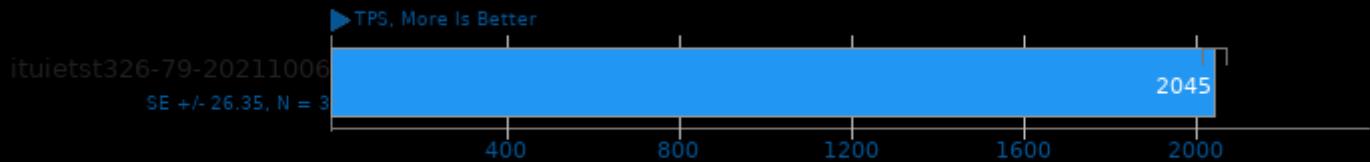
Scaling Factor: 25000 - Clients: 5000 - Mode: Read Only - Average Latency



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

PostgreSQL 15

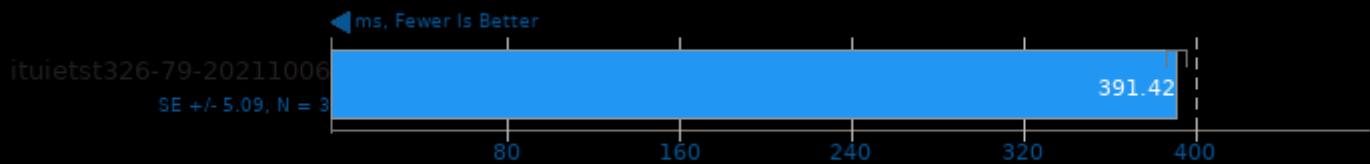
Scaling Factor: 25000 - Clients: 800 - Mode: Read Write



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

PostgreSQL 15

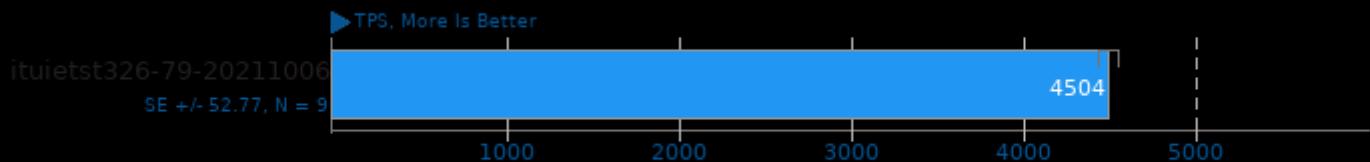
Scaling Factor: 25000 - Clients: 800 - Mode: Read Write - Average Latency



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

PostgreSQL 15

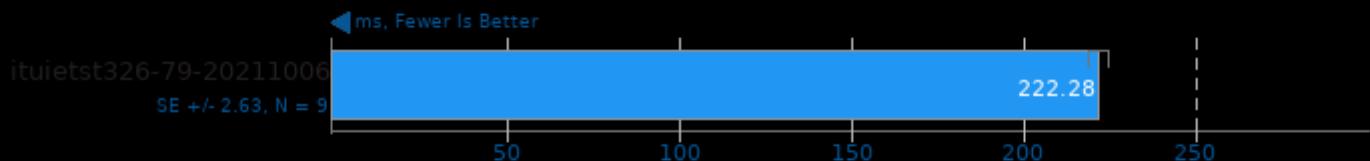
Scaling Factor: 10000 - Clients: 1000 - Mode: Read Write



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

PostgreSQL 15

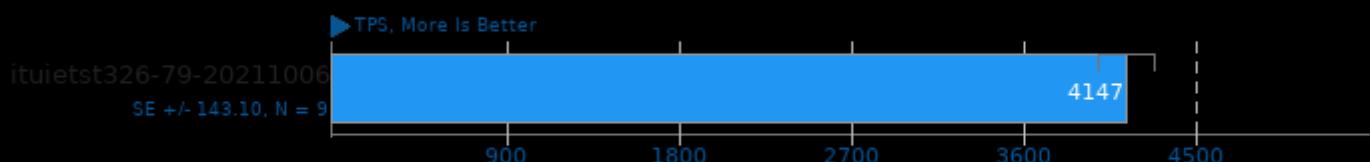
Scaling Factor: 10000 - Clients: 1000 - Mode: Read Write - Average Latency



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

PostgreSQL 15

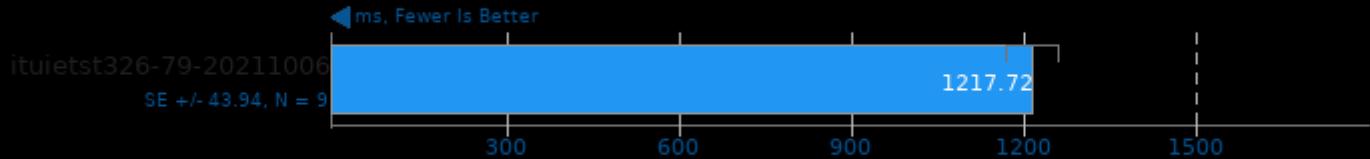
Scaling Factor: 10000 - Clients: 5000 - Mode: Read Write



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

PostgreSQL 15

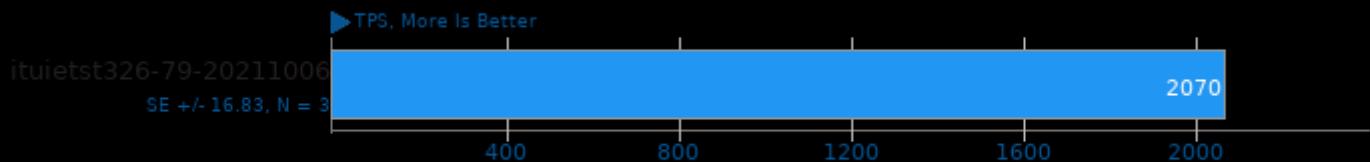
Scaling Factor: 10000 - Clients: 5000 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpthread -lpq -lstdc++ -lssl -lcrypto

PostgreSQL 15

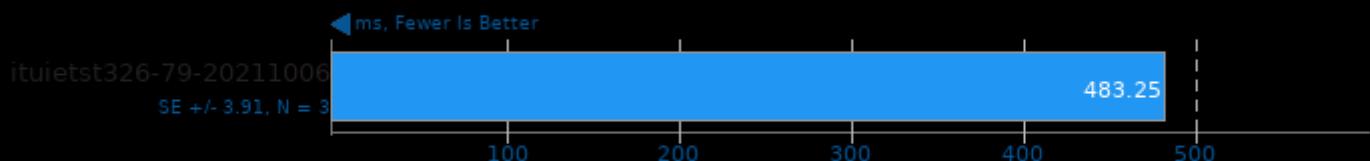
Scaling Factor: 25000 - Clients: 1000 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpthread -lpq -lstdc++ -lssl -lcrypto

PostgreSQL 15

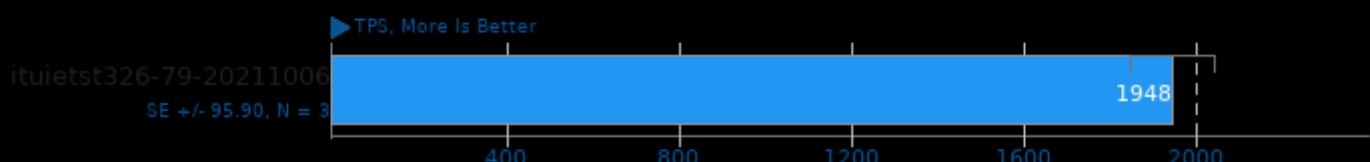
Scaling Factor: 25000 - Clients: 1000 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpthread -lpq -lstdc++ -lssl -lcrypto

PostgreSQL 15

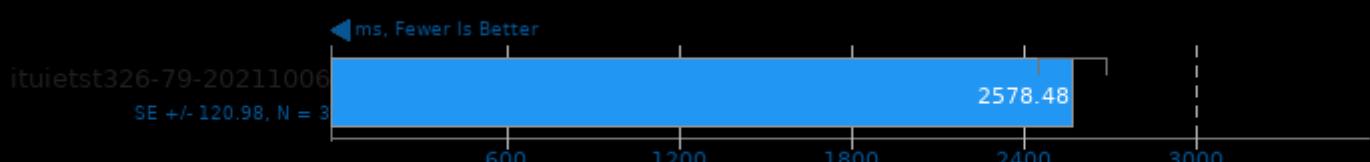
Scaling Factor: 25000 - Clients: 5000 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpthread -lpq -lstdc++ -lssl -lcrypto

PostgreSQL 15

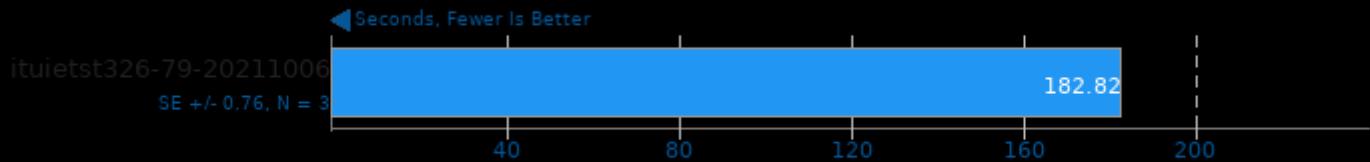
Scaling Factor: 25000 - Clients: 5000 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpthread -lpq -lstdc++ -lssl -lcrypto

SQLite Speedtest 3.30

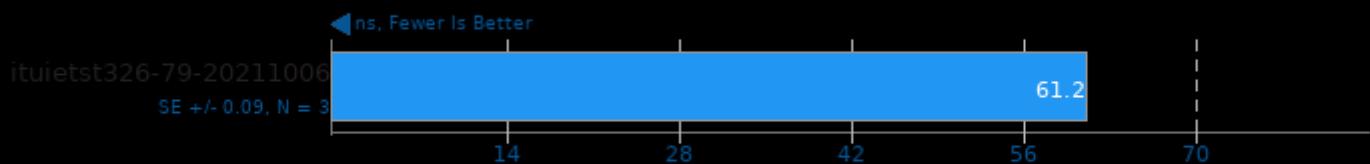
Timed Time - Size 1,000



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

BenchmarkMutex

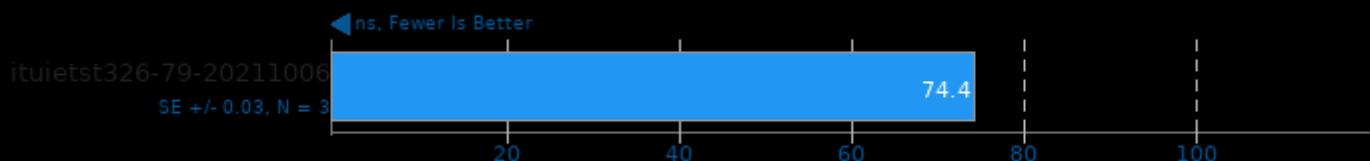
Benchmark: Shared Mutex Lock Shared



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

BenchmarkMutex

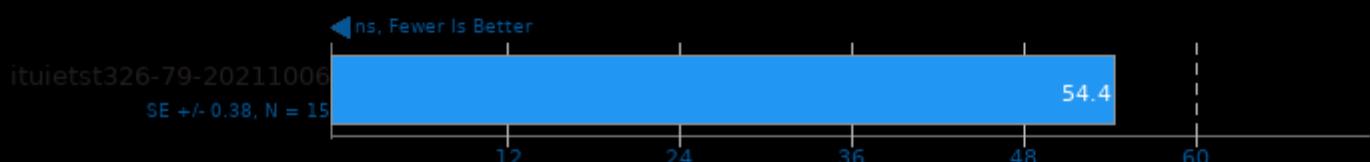
Benchmark: Mutex Lock Unlock spinlock



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

BenchmarkMutex

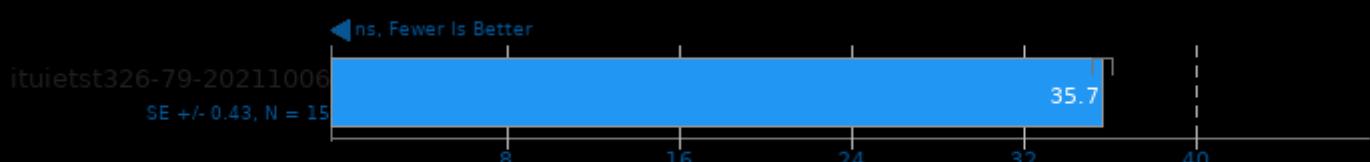
Benchmark: Mutex Lock Unlock std::mutex



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

BenchmarkMutex

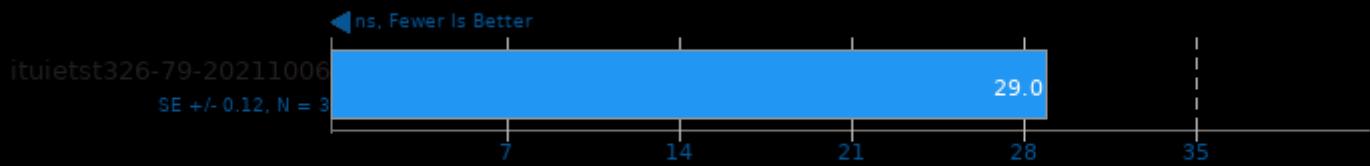
Benchmark: Mutex Lock Unlock std::mutex



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

BenchmarkMutex

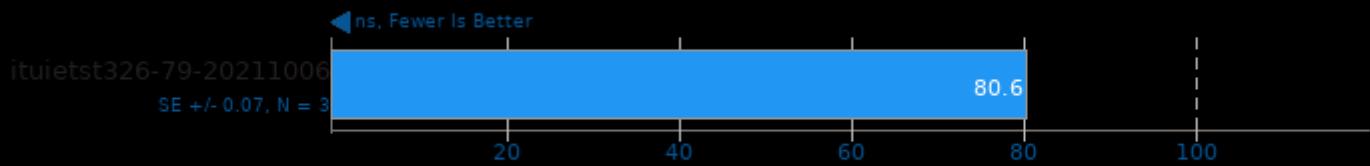
Benchmark: Semaphore Release And Acquire



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

BenchmarkMutex

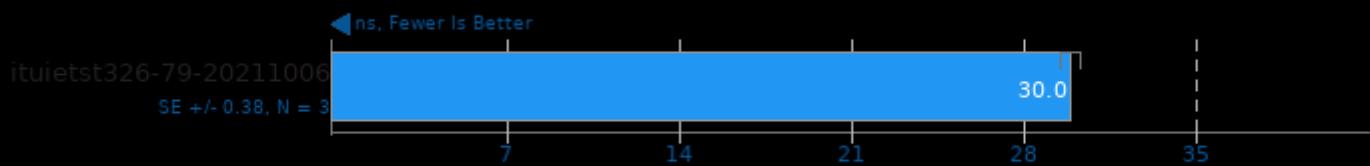
Benchmark: Mutex Lock Unlock spinlock_amd



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

BenchmarkMutex

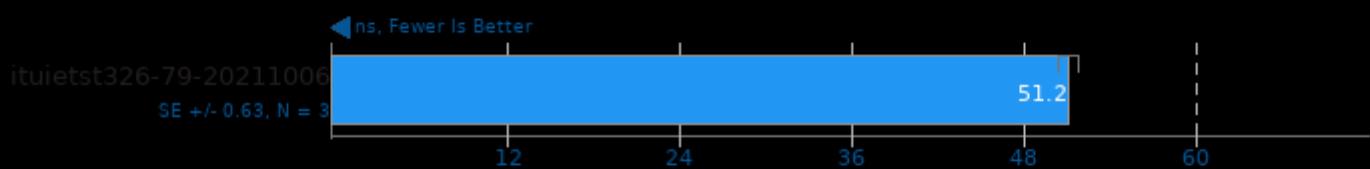
Benchmark: Mutex Lock Unlock pthread_mutex



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

BenchmarkMutex

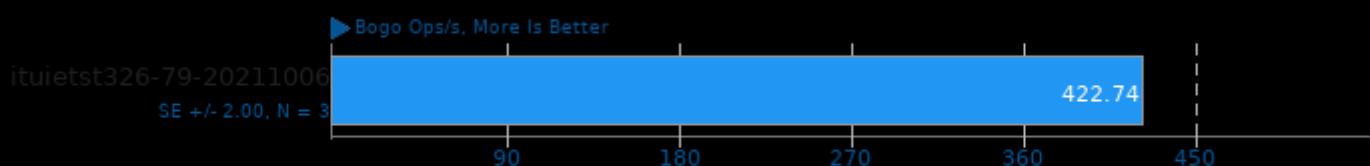
Benchmark: Mutex Lock Unlock ticket_spinlock



1. (CXX) g++ options: -std=c++17 -lbenchmark -pthread

Stress-NG 0.14.06

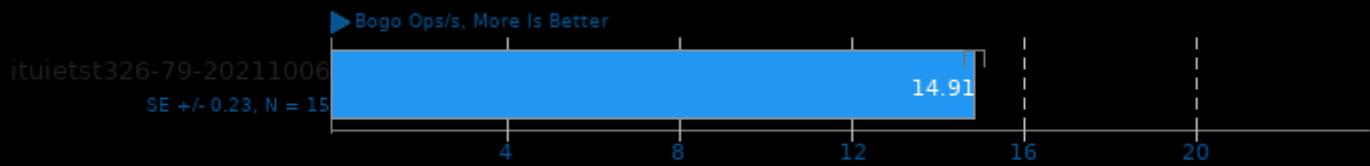
Test: MMAP



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

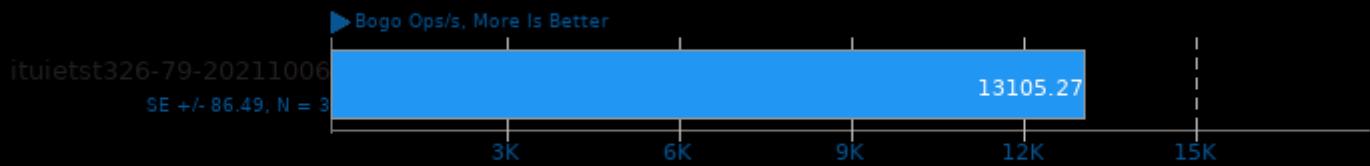
Test: NUMA



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

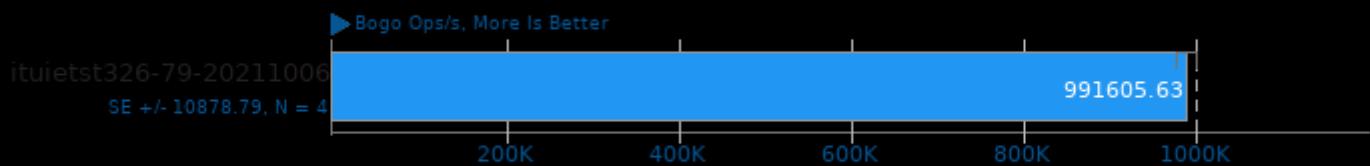
Test: Futex



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

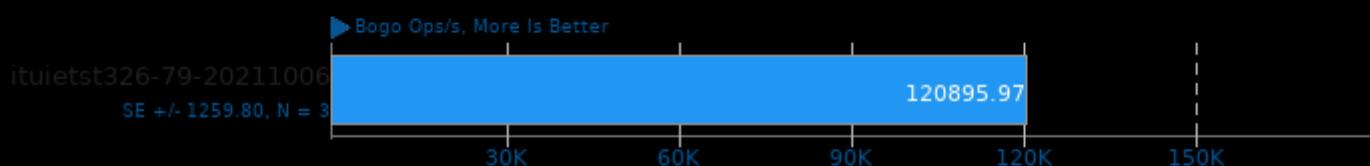
Test: Mutex



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

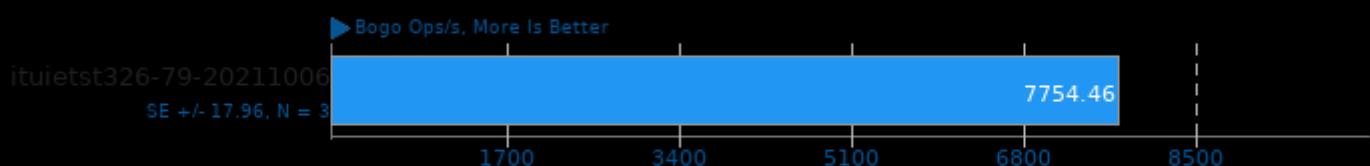
Test: Atomic



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

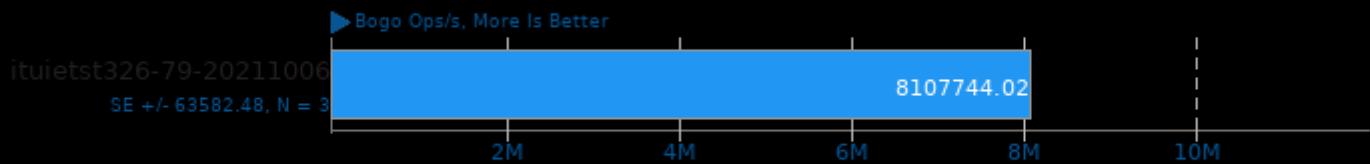
Test: Crypto



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

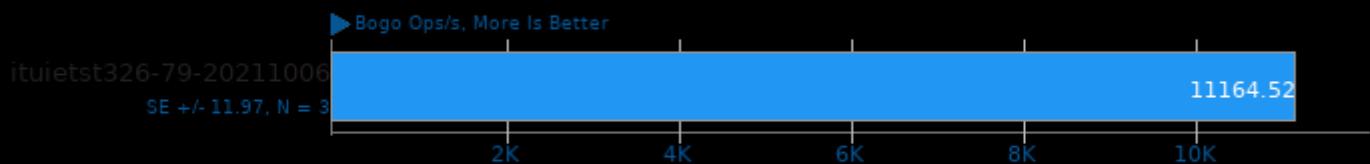
Test: Malloc



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

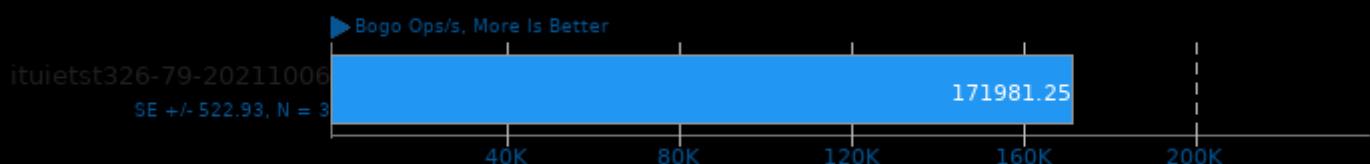
Test: Forking



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

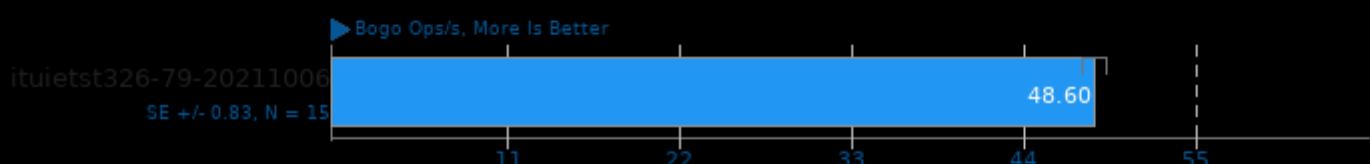
Test: SENDFILE



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

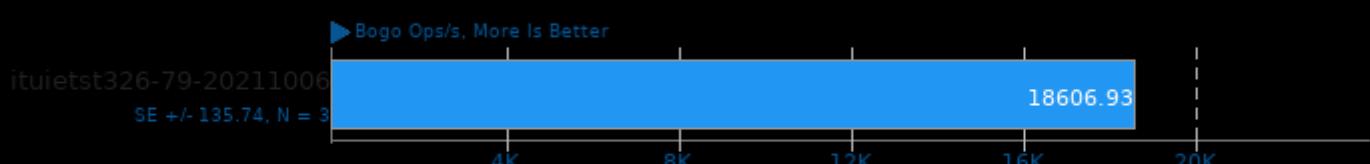
Test: CPU Cache



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

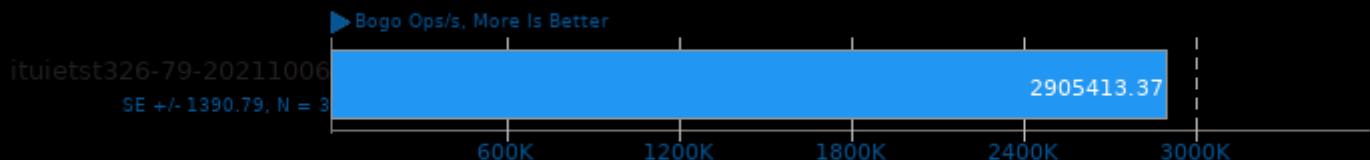
Test: CPU Stress



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

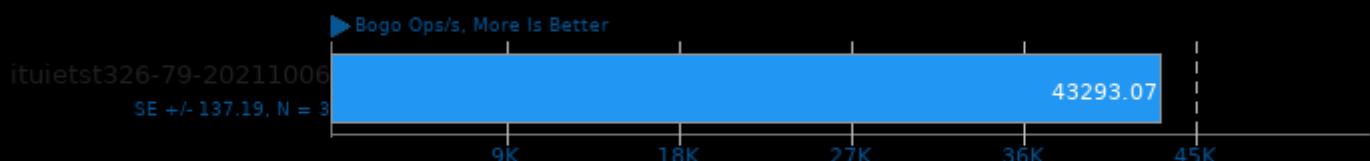
Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

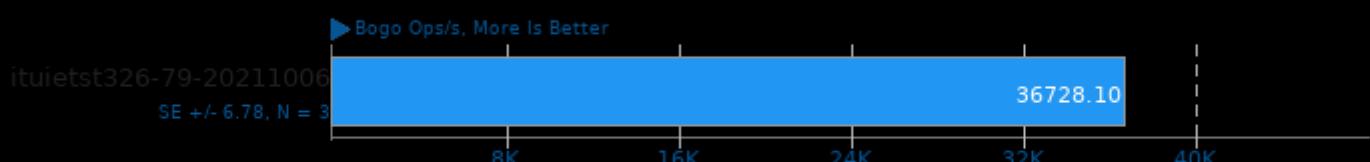
Test: Matrix Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

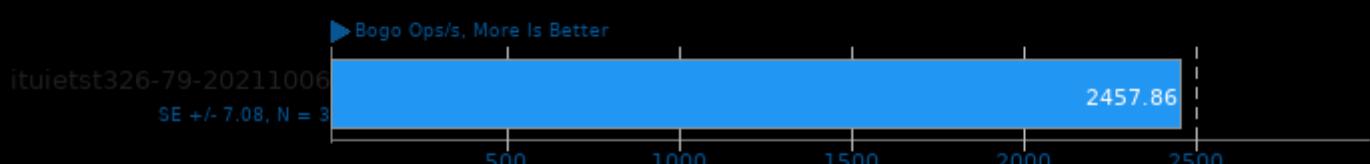
Test: Vector Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

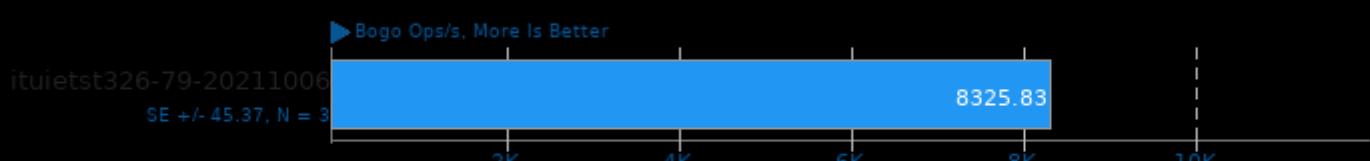
Test: Memory Copying



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

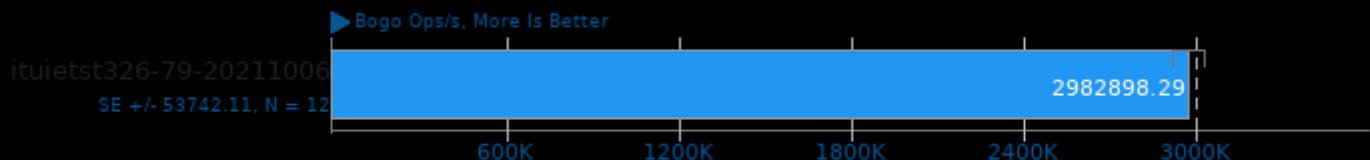
Test: Socket Activity



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

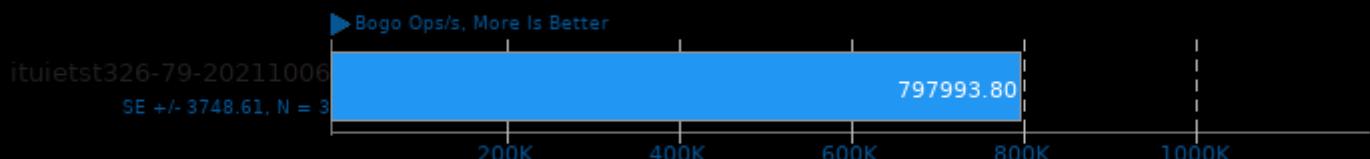
Test: Context Switching



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

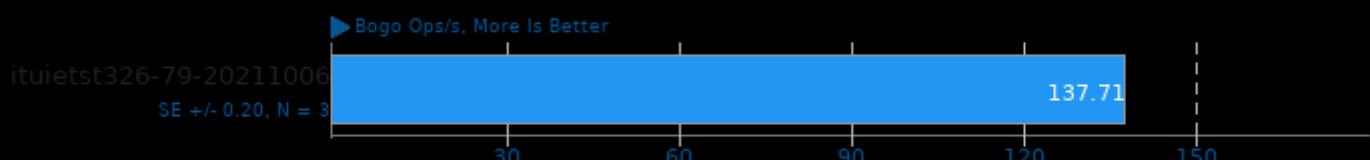
Test: Glibc C String Functions



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

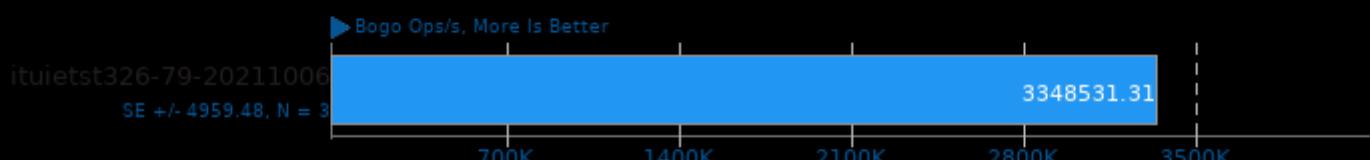
Test: Glibc Qsort Data Sorting



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

Stress-NG 0.14.06

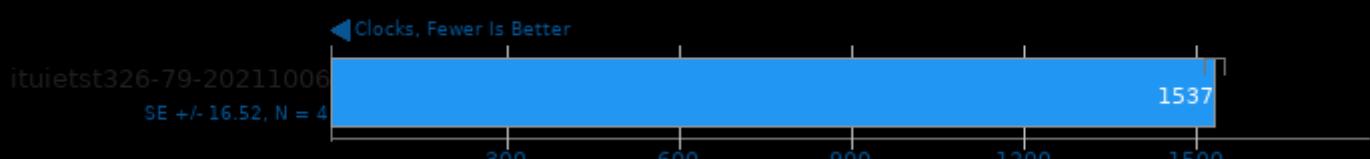
Test: System V Message Passing



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lc -lcrypt -ldl -lEGL -ljpeg -lrt -lz -pthread

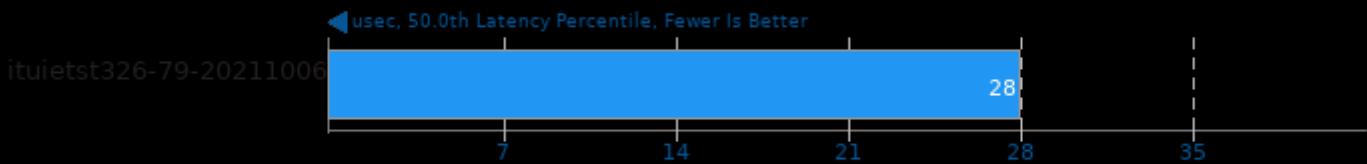
ctx_clock

Context Switch Time



Schbench 2021-09-09

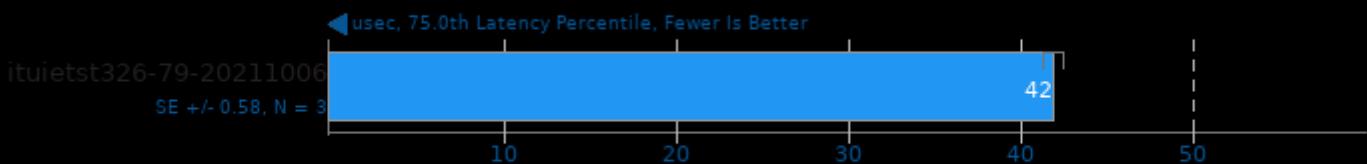
Message Threads: 8 - Workers Per Message Thread: 4



1. (CC) gcc options: -O2 -lpthread

Schbench 2021-09-09

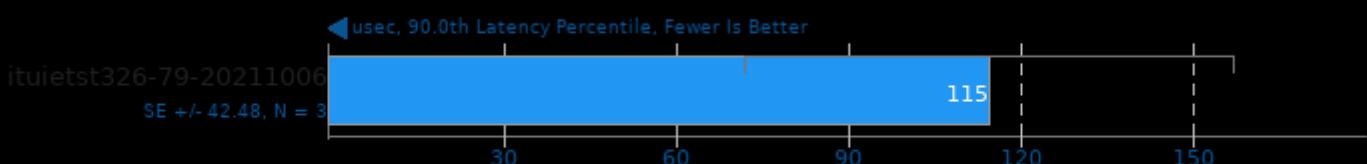
Message Threads: 8 - Workers Per Message Thread: 4



1. (CC) gcc options: -O2 -lpthread

Schbench 2021-09-09

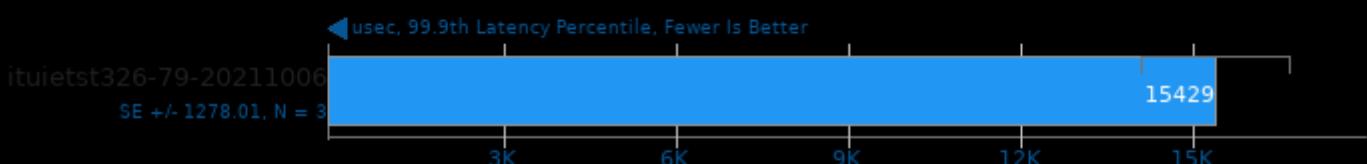
Message Threads: 8 - Workers Per Message Thread: 4



1. (CC) gcc options: -O2 -lpthread

Schbench 2021-09-09

Message Threads: 8 - Workers Per Message Thread: 4



1. (CC) gcc options: -O2 -lpthread

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 07:23.