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3970X October

AMD Ryzen Threadripper 3970X 32-Core testing with a ASUS ROG ZENITH II EXTREME (1201 BIOS) and AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB on Ubuntu 20.10 via the Phoronix Test Suite.

Automated Executive Summary

1 had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (1) was 1.114x the speed of the slowest (2).

The results with the greatest spread from best to worst included:

Cpuminer-Opt (Algorithm: Ringcoin) at 3.026x
Cpuminer-Opt (Algorithm: Myriad-Groestl) at 2.3x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 1 - Mode: Read Write) at 1.761x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency) at 1.76x
Cpuminer-Opt (Algorithm: Skeincoin) at 1.16x
Cpuminer-Opt (Algorithm: Garlicoin) at 1.087x
Cpuminer-Opt (Algorithm: Deepcoin) at 1.075x
Timed LLVM Compilation (Build System: Unix Makefiles) at 1.065x
ET: Legacy (Resolution: 1920 x 1080) at 1.042x
Cpuminer-Opt (Algorithm: LBC, LBRY Credits) at 1.029x.

Test Systems:

1

2

Processor: AMD Ryzen Threadripper 3970X 32-Core @ 4.55GHz (32 Cores / 64 Threads), Motherboard: ASUS ROG ZENITH II EXTREME (1201 BIOS), Chipset: AMD Starship/Matisse, Memory: 64GB, Disk: Samsung SSD 980 PRO 500GB, Graphics: AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (1750/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: ASUS VP28U, Network: Aquantia AQC107 NBase-T/IEEE + Intel I211 + Intel Wi-Fi 6 AX200

OS: Ubuntu 20.10, Kernel: 5.11.0-rc6-phx (x86_64) 20210203, Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 20.2.1 (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 3840x2160

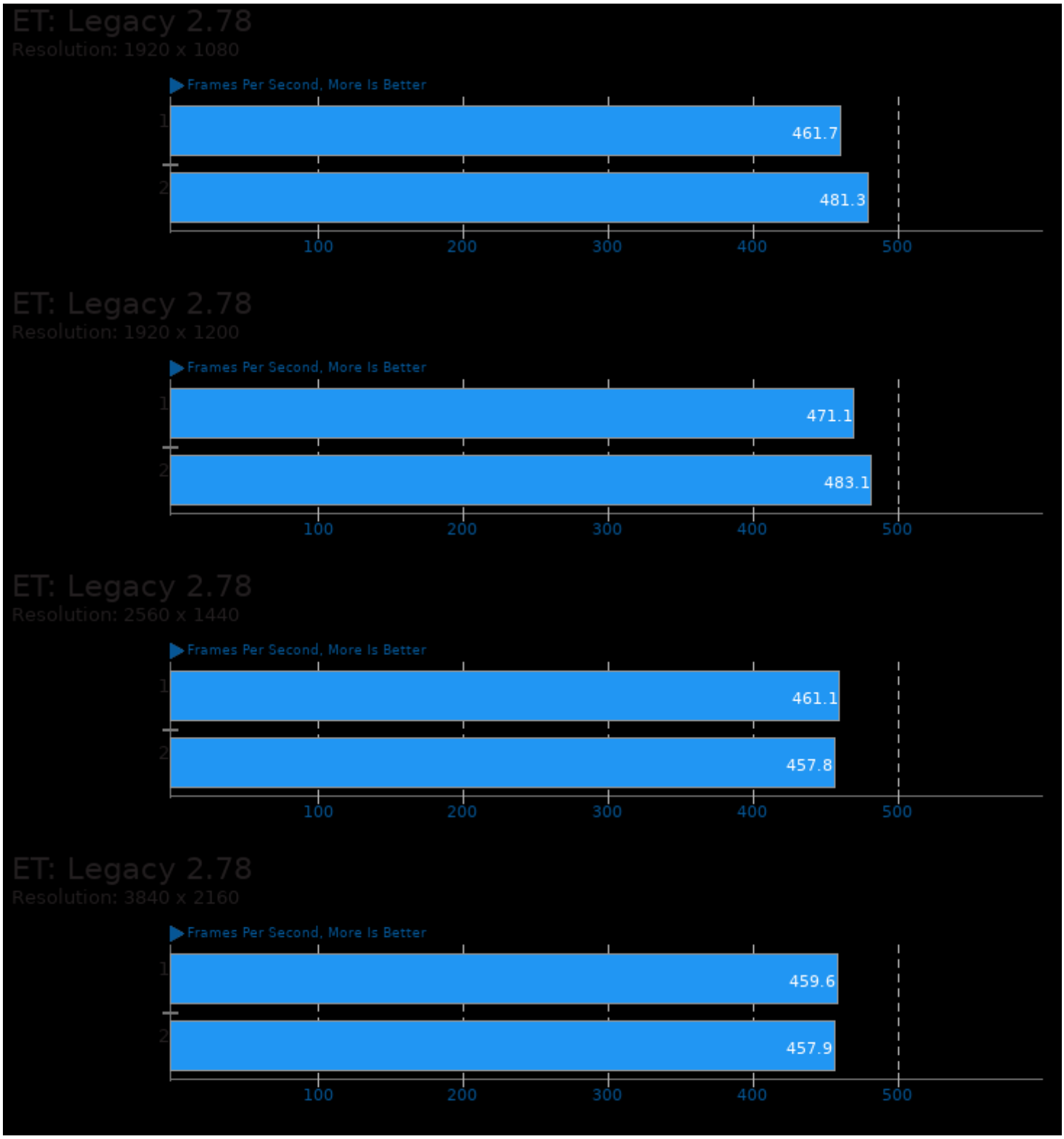
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-poYruo/gcc-10-10.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-poYruo/gcc-10-10.3.0/debian/tmp-gcn/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0x8301039
Graphics Notes: GLAMOR - BAR1 / Visible vRAM Size: 256 MB
Python Notes: Python 3.8.10
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1	2
ET: Legacy - 1920 x 1080 (FPS)	**461.7**	**481.3**
Normalized	95.93%	100%
ET: Legacy - 1920 x 1200 (FPS)	**471.1**	**483.1**
Normalized	97.52%	100%
ET: Legacy - 2560 x 1440 (FPS)	**461.1**	**457.8**
Normalized	100%	99.28%
ET: Legacy - 3840 x 2160 (FPS)	**459.6**	**457.9**
Normalized	100%	99.63%
Cpuminer-Opt - Magi (kH/s)	**1694**	**1676**
Normalized	100%	98.97%
Cpuminer-Opt - x25x (kH/s)	**1062**	**1058**
Normalized	100%	99.64%
Cpuminer-Opt - Deepcoin (kH/s)	**29260**	**27220**
Normalized	100%	93.03%
Cpuminer-Opt - Ringcoin (kH/s)	**302.63**	**100**
Normalized	100%	33.04%
Cpuminer-Opt - Blake-2 S (kH/s)	**567000**	**576000**
Normalized	98.44%	100%
Cpuminer-Opt - Garlicoin (kH/s)	**7517**	**8168**
Normalized	92.03%	100%
Cpuminer-Opt - Skeincoin (kH/s)	**158670**	**184000**

Normalized	86.23%	100%
Cpuminer-Opt - Myriad-Groestl (kH/s)	14300	6217
Normalized	100%	43.48%
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	70690	72760
Normalized	97.16%	100%
Cpuminer-Opt - Q.S.2.P (kH/s)	64000	65000
Normalized	98.46%	100%
Cpuminer-Opt - T.S.2.O (kH/s)	128000	126400
Normalized	100%	98.75%
PostgreSQL pgbench - 1 - 1 - Read Only (TPS)	35702	35674
Normalized	100%	99.92%
PostgreSQL pgbench - 1 - 1 - Read Write (TPS)	597	339
Normalized	100%	56.78%
PostgreSQL pgbench - 1 - 50 - Read Only (TPS)	959805	966113
Normalized	99.35%	100%
PostgreSQL pgbench - 1 - 100 - Read Only (TPS)	1236886	
PostgreSQL pgbench - 1 - 250 - Read Only (TPS)	1221495	
PostgreSQL pgbench - 1 - 50 - Read Write (TPS)	397	
PostgreSQL pgbench - 1 - 500 - Read Only (TPS)	1182045	
PostgreSQL pgbench - 100 - 1 - Read Only (TPS)	34214	
PostgreSQL pgbench - 1 - 100 - Read Write (TPS)	327	
PostgreSQL pgbench - 1 - 250 - Read Write (TPS)	319	
PostgreSQL pgbench - 1 - 500 - Read Write (TPS)	257	
PostgreSQL pgbench - 100 - 1 - Read Write (TPS)	329	
PostgreSQL pgbench - 100 - 50 - Read Only (TPS)	929914	
PostgreSQL pgbench - 100 - 100 - Read Only (TPS)	1161668	
PostgreSQL pgbench - 100 - 250 - Read Only (TPS)	1158658	
PostgreSQL pgbench - 100 - 50 - Read Write (TPS)	5639	
PostgreSQL pgbench - 100 - 500 - Read Only (TPS)	1113976	
PostgreSQL pgbench - 100 - 100 - Read Write (TPS)	8178	
PostgreSQL pgbench - 100 - 250 - Read Write (TPS)	10337	
PostgreSQL pgbench - 100 - 500 - Read Write (TPS)	11176	
PostgreSQL pgbench - 1 - 1 - Read Only - Average Latency (ms)	0.028	0.028
PostgreSQL pgbench - 1 - 1 - Read Write - Average Latency (ms)	1.674	2.947
Normalized	100%	56.8%
PostgreSQL pgbench - 1 - 50 - Read Only - Average Latency (ms)	0.052	0.052
PostgreSQL pgbench - 1 - 100 - Read Only - Average Latency (ms)	0.081	
PostgreSQL pgbench - 1 - 250 - Read Only - Average Latency (ms)	0.205	
PostgreSQL pgbench - 1 - 50 - Read Write - Average Latency (ms)	125.798	
PostgreSQL pgbench - 1 - 500 - Read Only - Average Latency (ms)	0.423	

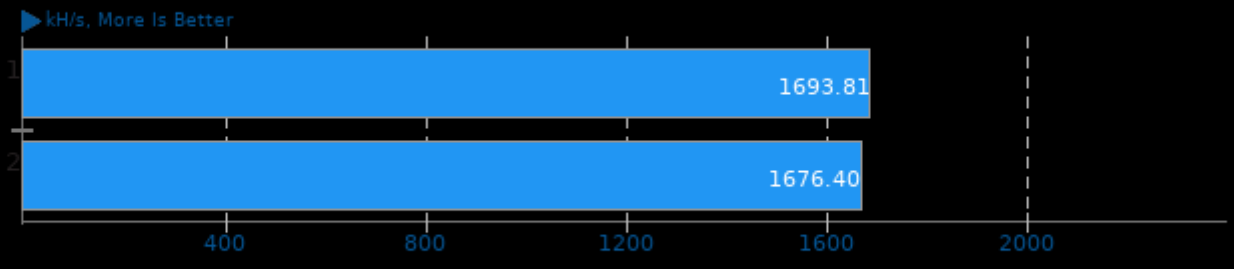
3970X October

PostgreSQL pgbench - 100 - 1 - Read Only - Average Latency (ms)	0.029	
PostgreSQL pgbench - 1 - 100 - Read Write - Average Latency (ms)	305.43	
PostgreSQL pgbench - 1 - 250 - Read Write - Average Latency (ms)	783.492	
PostgreSQL pgbench - 1 - 500 - Read Write - Average Latency (ms)	1944	
PostgreSQL pgbench - 100 - 1 - Read Write - Average Latency (ms)	3.035	
PostgreSQL pgbench - 100 - 50 - Read Only - Average Latency (ms)	0.054	
PostgreSQL pgbench - 100 - 100 - Read Only - Average Latency (ms)	0.086	
PostgreSQL pgbench - 100 - 250 - Read Only - Average Latency (ms)	0.216	
PostgreSQL pgbench - 100 - 50 - Read Write - Average Latency (ms)	8.867	
PostgreSQL pgbench - 100 - 500 - Read Only - Average Latency (ms)	0.449	
PostgreSQL pgbench - 100 - 100 - Read Write - Average Latency (ms)	12.228	
PostgreSQL pgbench - 100 - 250 - Read Write - Average Latency (ms)	24.185	
PostgreSQL pgbench - 100 - 500 - Read Write - Average Latency (ms)	44.74	
Timed LLVM Compilation - Ninja (sec)	188.978	188.112
Normalized	99.54%	100%
Timed LLVM Compilation - Unix Makefiles (sec)	223.354	237.934
Normalized	100%	93.87%
FLAC Audio Encoding - WAV To FLAC (sec)	14.352	14.634
Normalized	100%	98.07%
ASTC Encoder - Medium (sec)	3.9897	4.0439
Normalized	100%	98.66%
ASTC Encoder - Thorough (sec)	6.7718	6.7916
Normalized	100%	99.71%
ASTC Encoder - Exhaustive (sec)	20.9093	21.0007
Normalized	100%	99.56%


ET: Legacy 2.78
Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
461.7
2
481.3
100
200
300
400
500
ET: Legacy 2.78
Resolution: 1920 x 1200
Frames Per Second, More Is Better
1
471.1
2
483.1
100
200
300
400
500
ET: Legacy 2.78
Resolution: 2560 x 1440
Frames Per Second, More Is Better
1
461.1
2
457.8
100
200
300
400
500
ET: Legacy 2.78
Resolution: 3840 x 2160
Frames Per Second, More Is Better
1
459.6
2
457.9
100
200
300
400
500

Cpuminer-Opt 3.18

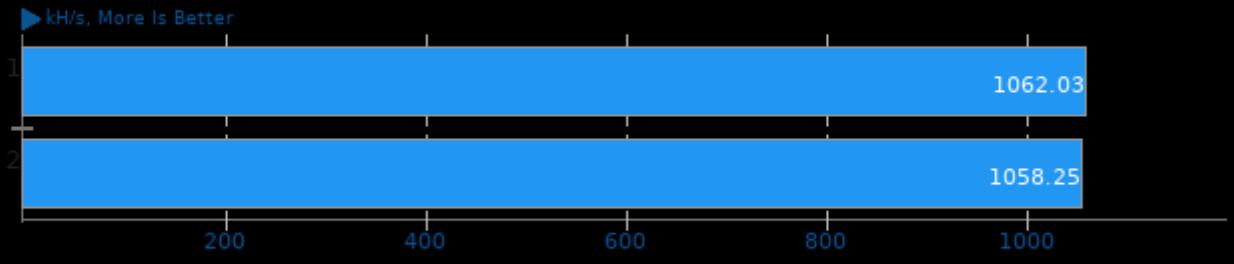
Algorithm: Magi



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

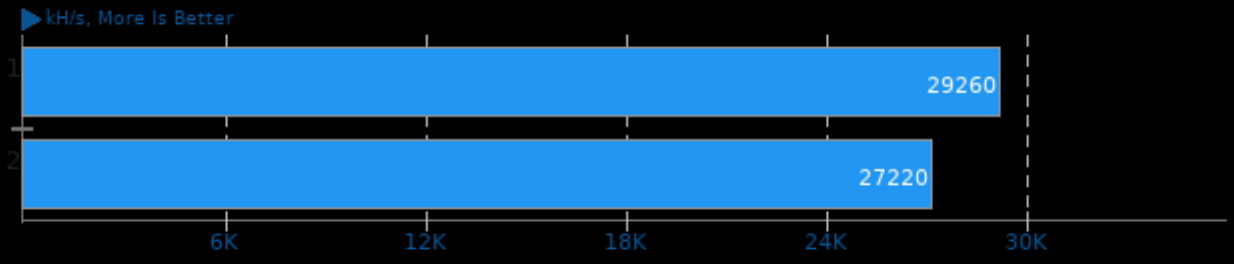
Algorithm: x25x



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

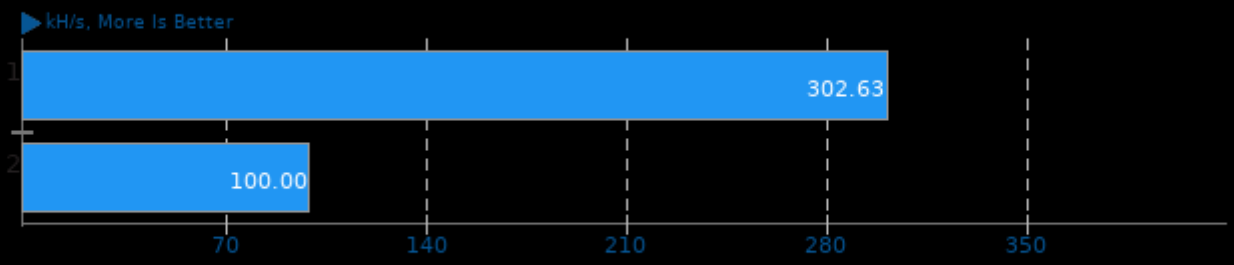
Algorithm: Deepcoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

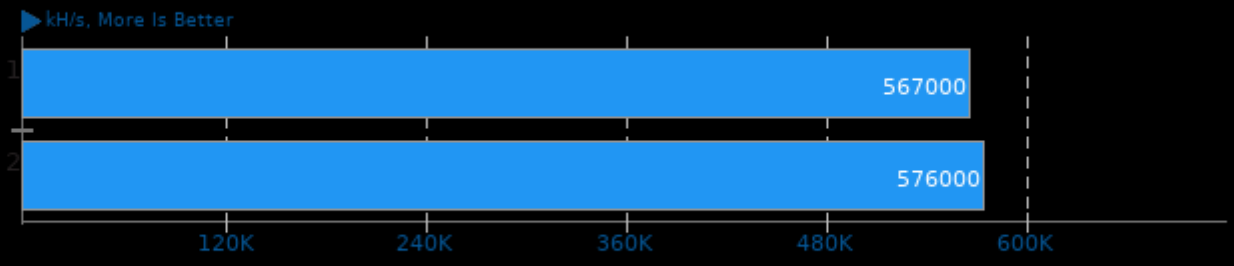
Algorithm: Ringcoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

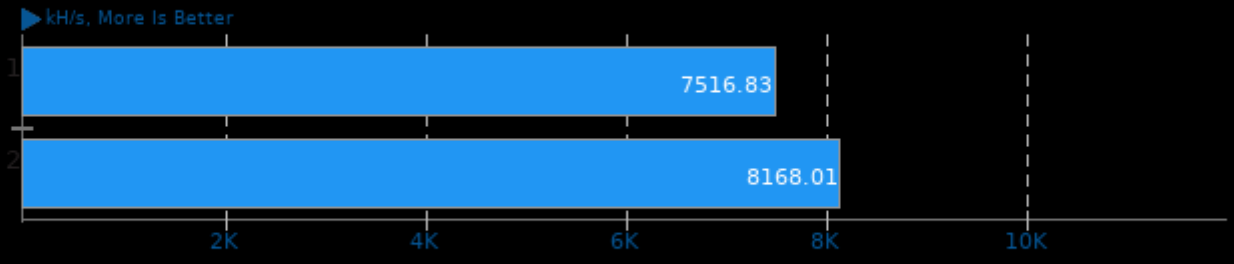
Algorithm: Blake-2 S



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

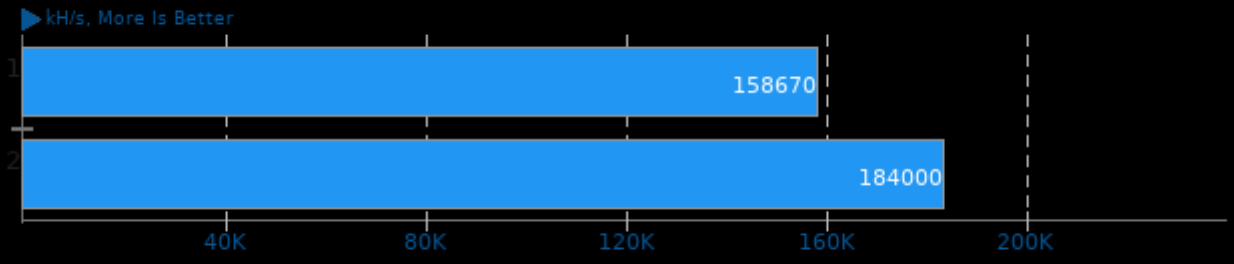
Algorithm: Garlicoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

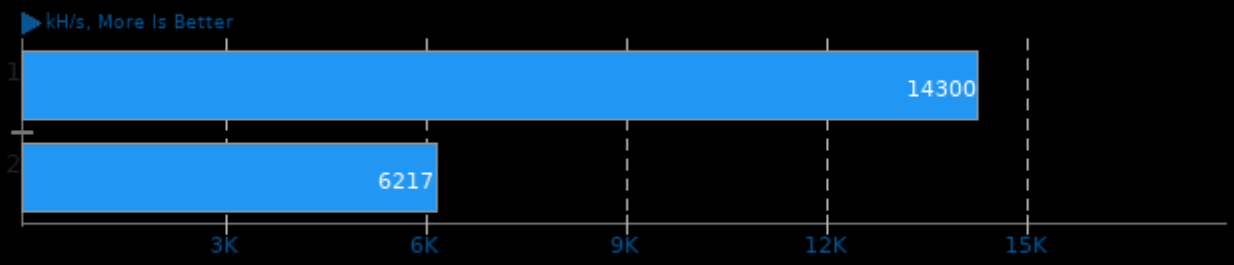
Algorithm: Skeincoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

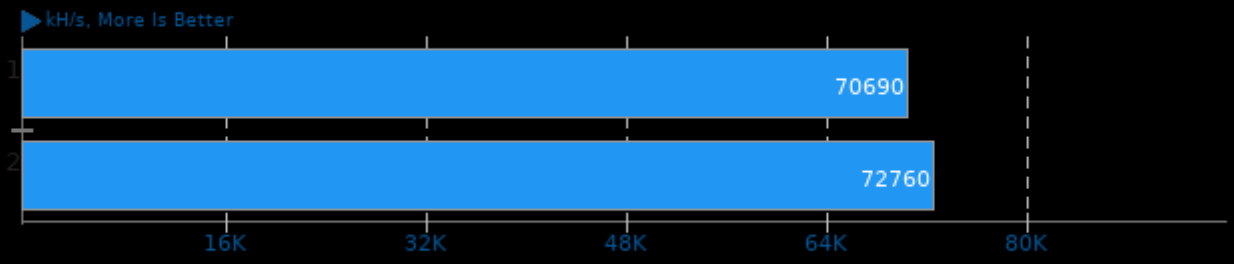
Algorithm: Myriad-Groestl



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

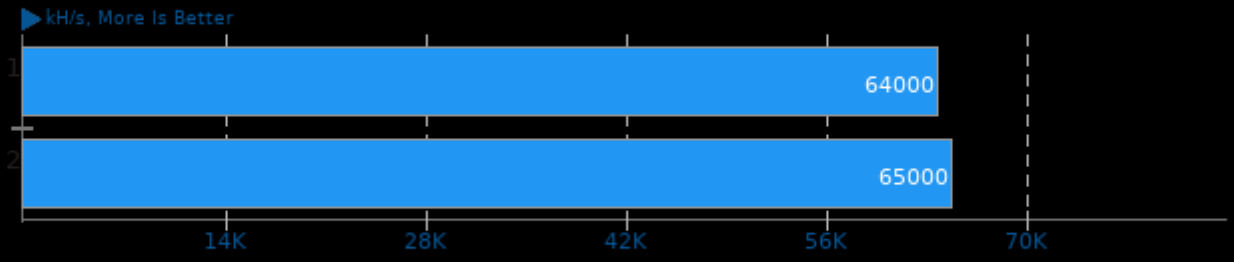
Algorithm: LBC, LBRY Credits



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

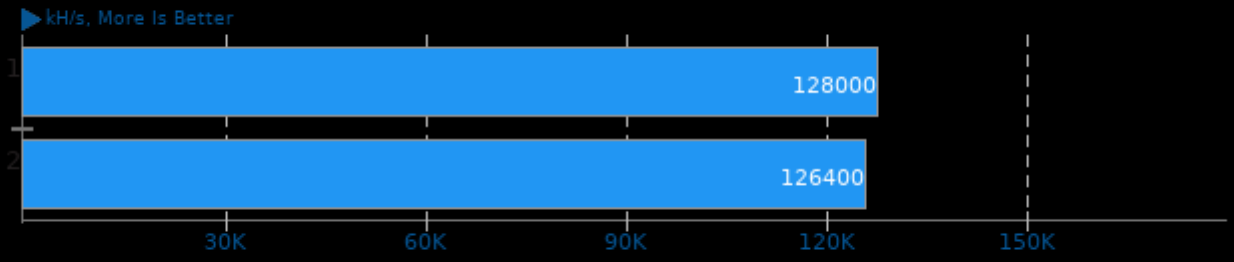
Algorithm: Quad SHA-256, Pyrite



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

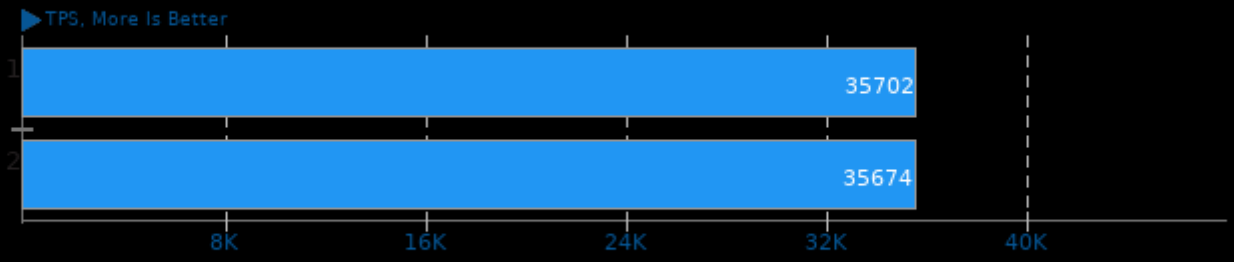
Algorithm: Triple SHA-256, Onecoin



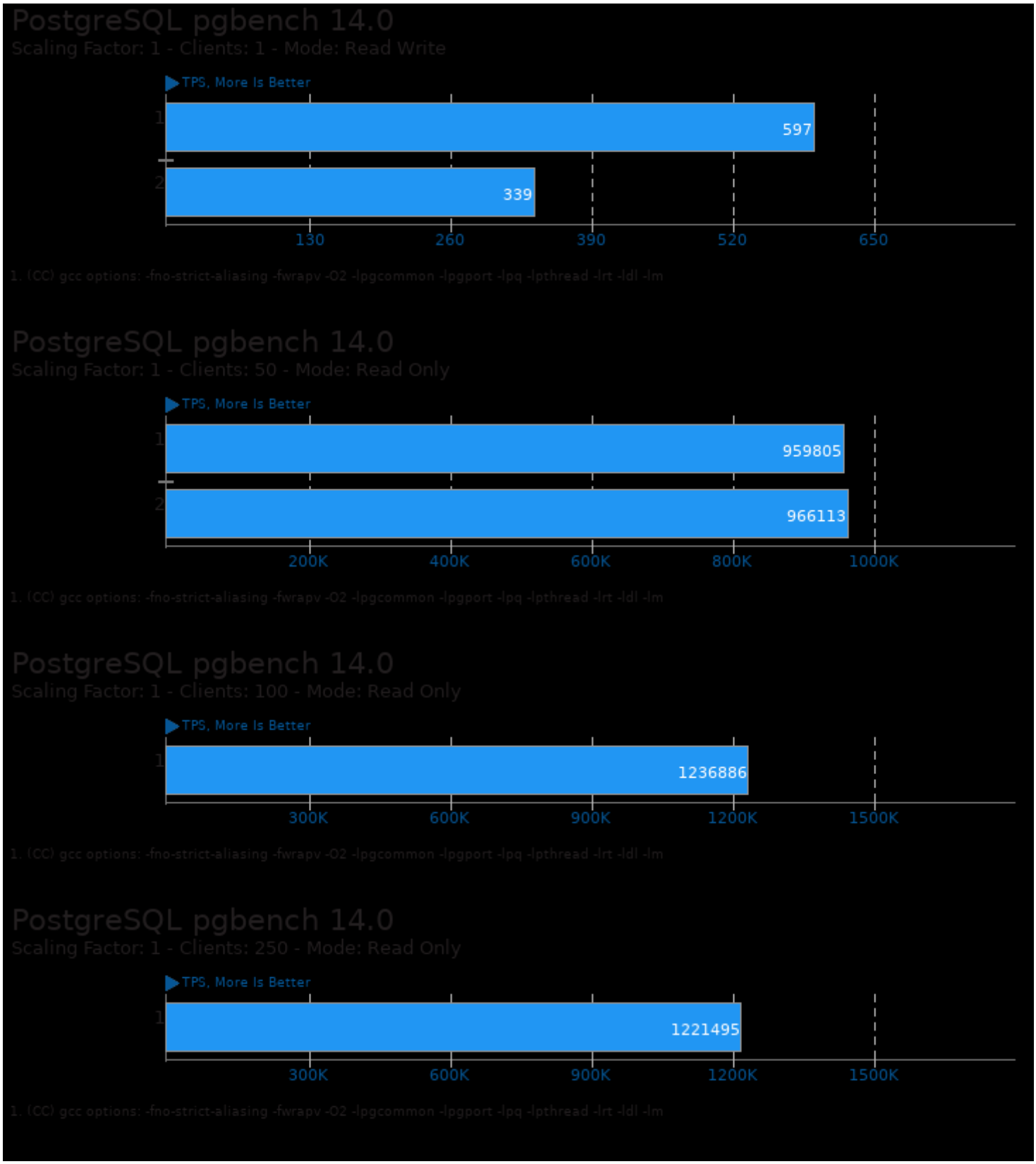
1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

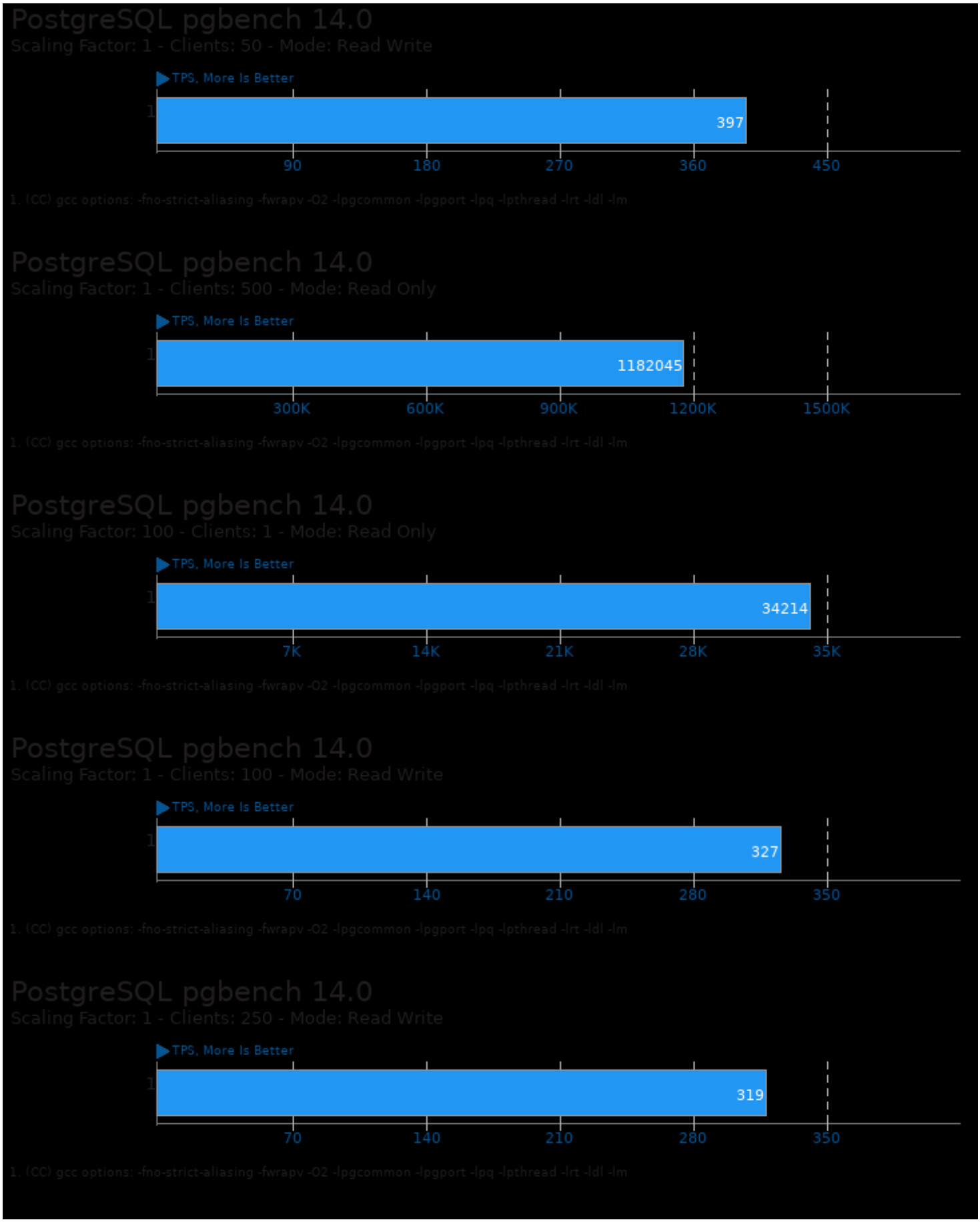
PostgreSQL pgbench 14.0

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



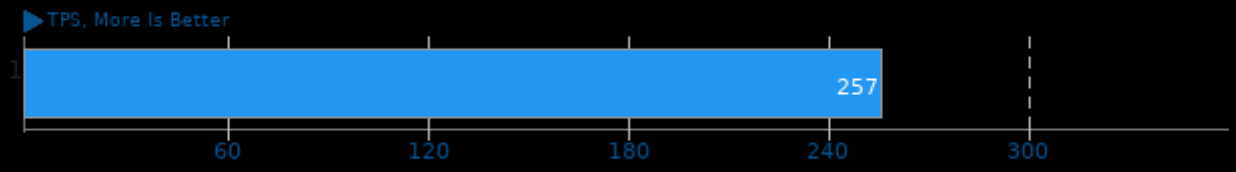
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 1 - Mode: Read Write
TPS, More Is Better
1
597
2
339
130
260
390
520
650
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 50 - Mode: Read Only
TPS, More Is Better
1
959805
2
966113
200K
400K
600K
800K
1000K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 100 - Mode: Read Only
TPS, More Is Better
1
1236886
300K
600K
900K
1200K
1500K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 250 - Mode: Read Only
TPS, More Is Better
1
1221495
300K
600K
900K
1200K
1500K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 50 - Mode: Read Write
TPS, More Is Better
1
397
90
180
270
360
450
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 500 - Mode: Read Only
TPS, More Is Better
1
1182045
300K
600K
900K
1200K
1500K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 1 - Mode: Read Only
TPS, More Is Better
1
34214
7K
14K
21K
28K
35K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 100 - Mode: Read Write
TPS, More Is Better
1
327
70
140
210
280
350
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 250 - Mode: Read Write
TPS, More Is Better
1
319
70
140
210
280
350
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

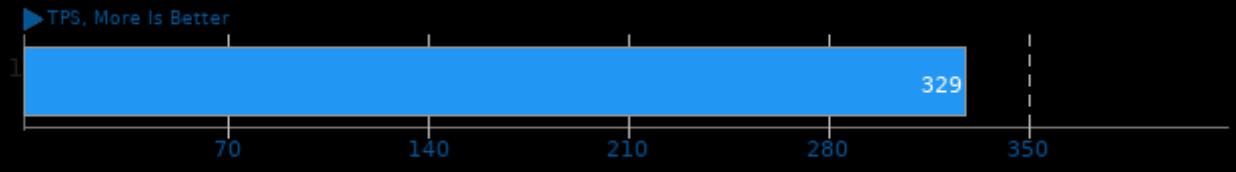
Scaling Factor: 1 - Clients: 500 - Mode: Read Write



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

PostgreSQL pgbench 14.0

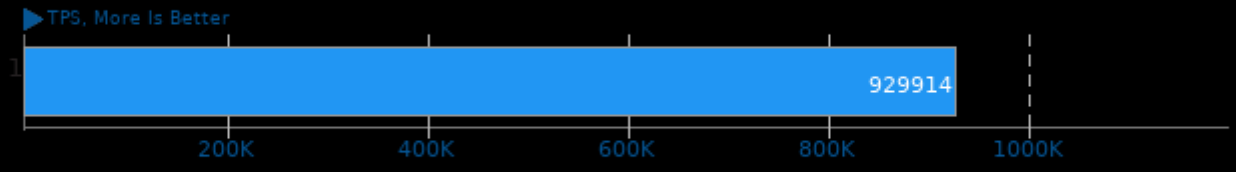
Scaling Factor: 100 - Clients: 1 - Mode: Read Write



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

PostgreSQL pgbench 14.0

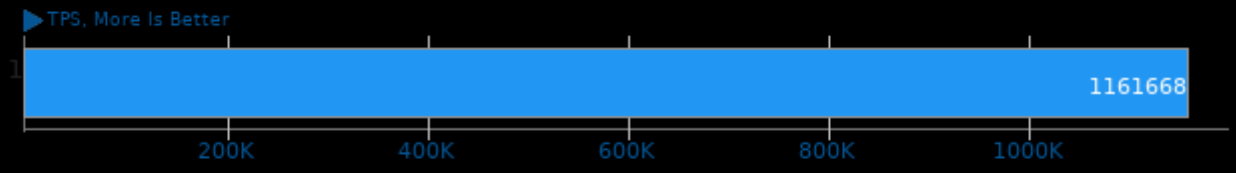
Scaling Factor: 100 - Clients: 50 - Mode: Read Only



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

PostgreSQL pgbench 14.0

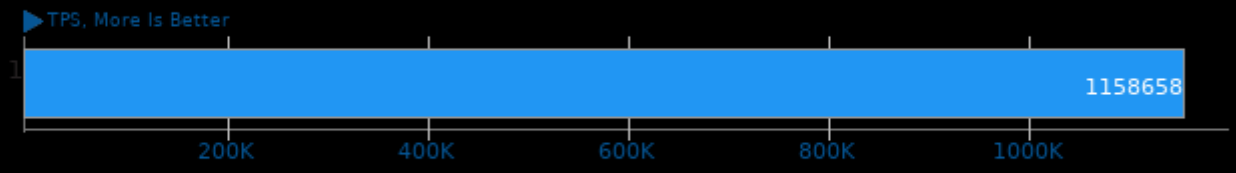
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



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

PostgreSQL pgbench 14.0

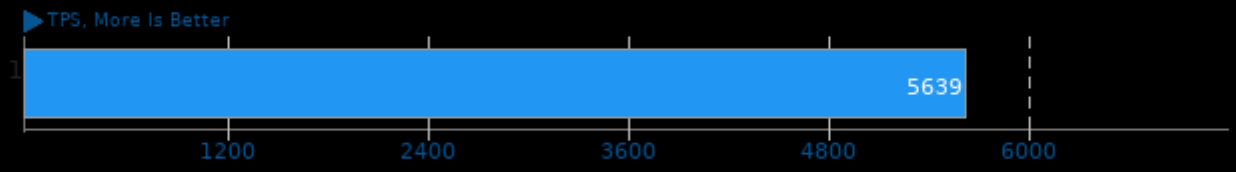
Scaling Factor: 100 - Clients: 250 - Mode: Read Only



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

PostgreSQL pgbench 14.0

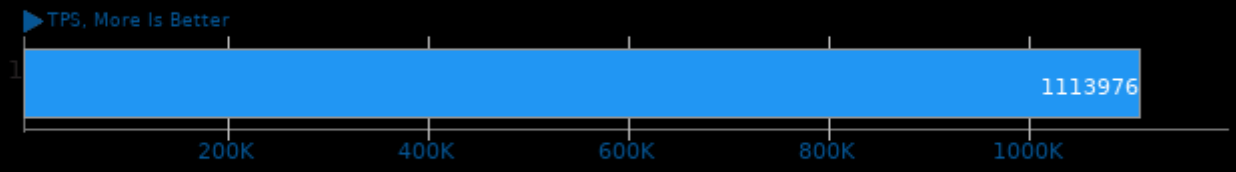
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



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

PostgreSQL pgbench 14.0

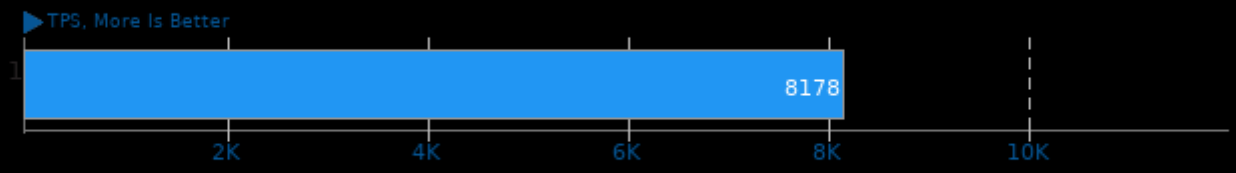
Scaling Factor: 100 - Clients: 500 - Mode: Read Only



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

PostgreSQL pgbench 14.0

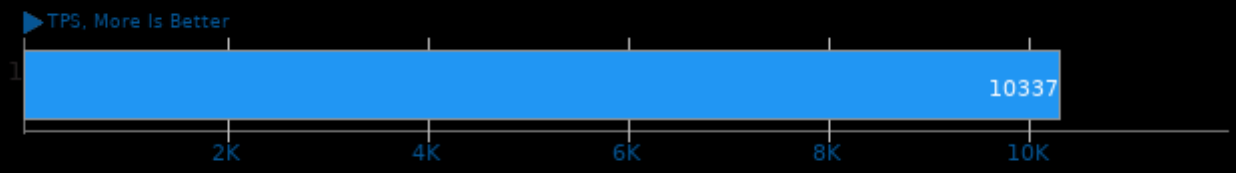
Scaling Factor: 100 - Clients: 100 - Mode: Read Write



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

PostgreSQL pgbench 14.0

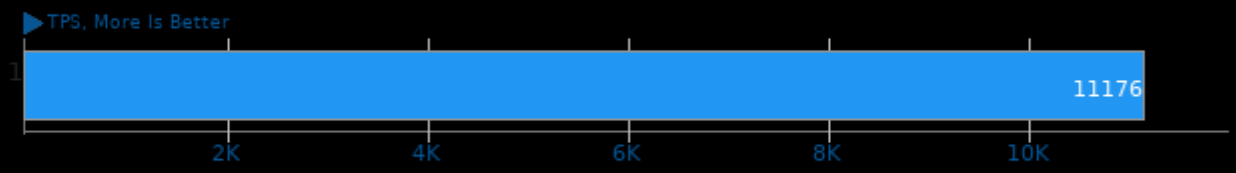
Scaling Factor: 100 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 14.0

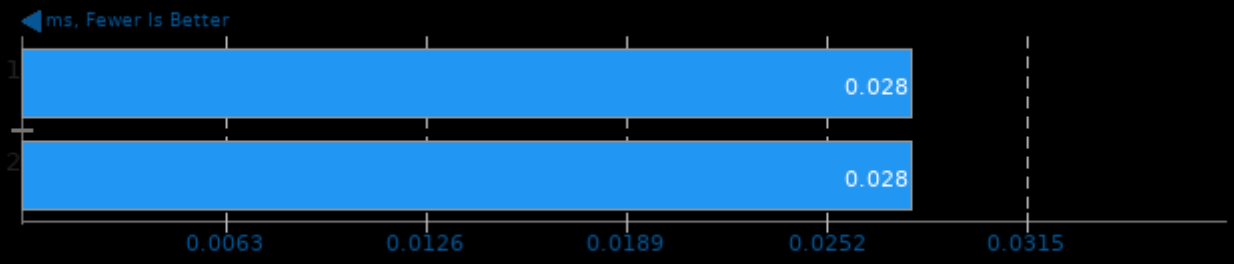
Scaling Factor: 100 - Clients: 500 - Mode: Read Write



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

PostgreSQL pgbench 14.0

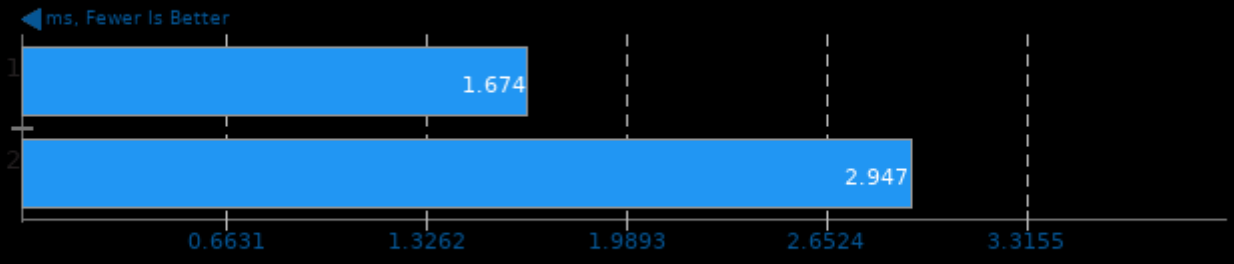
Scaling Factor: 1 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

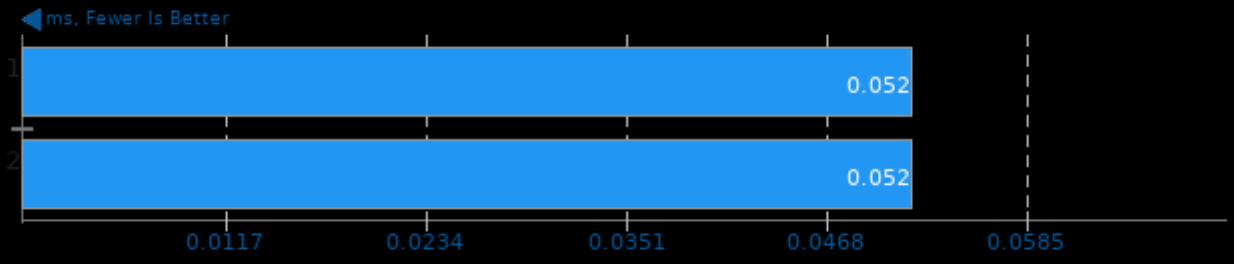
Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

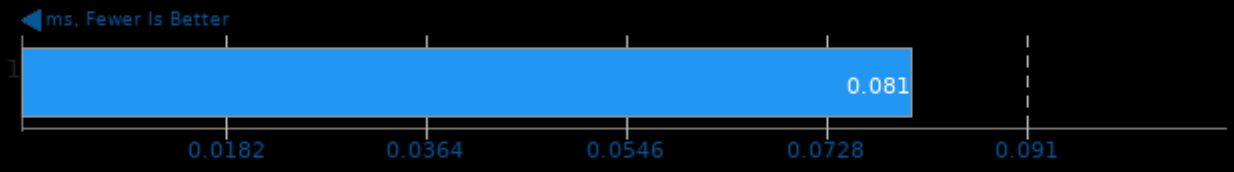
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency



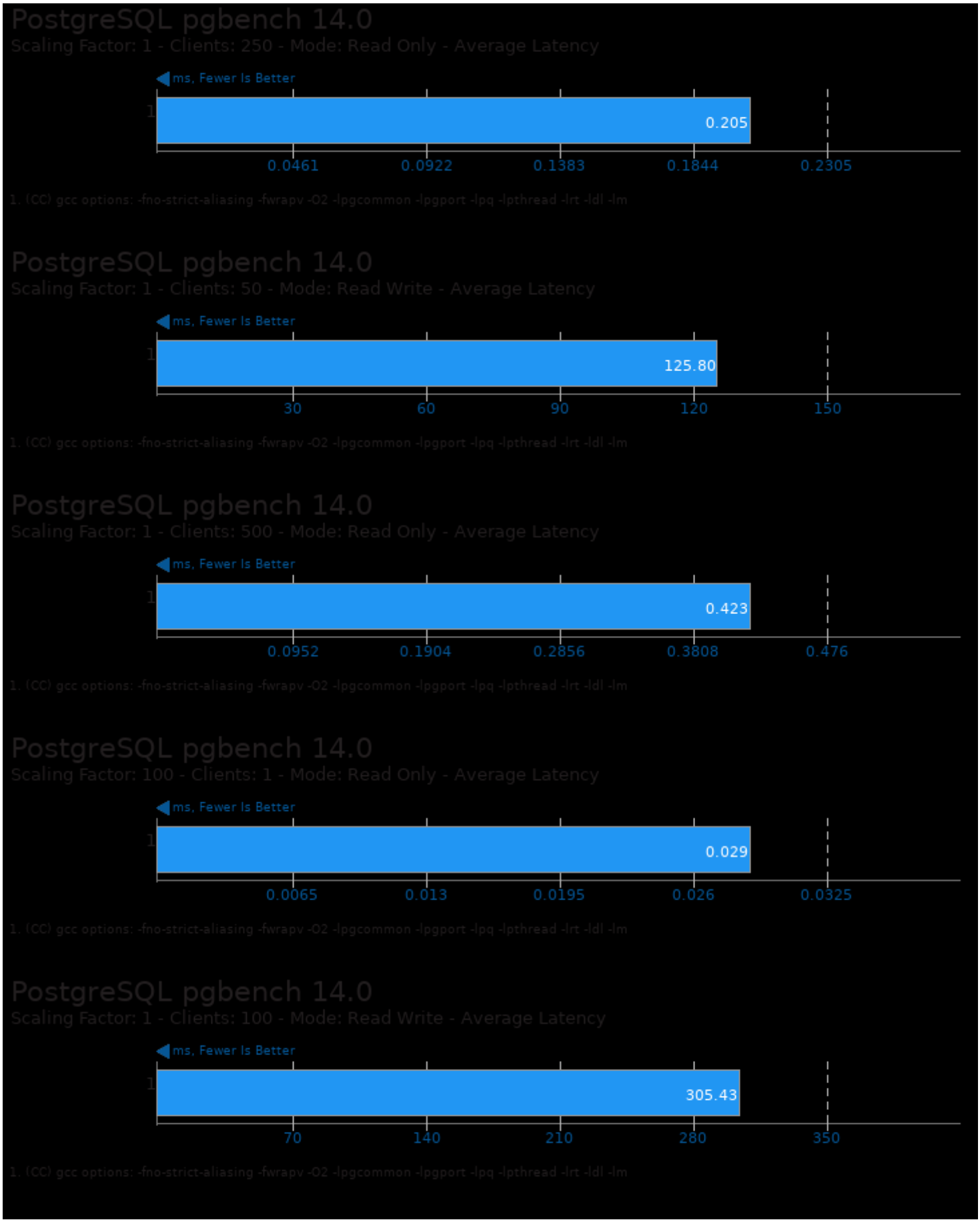
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

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

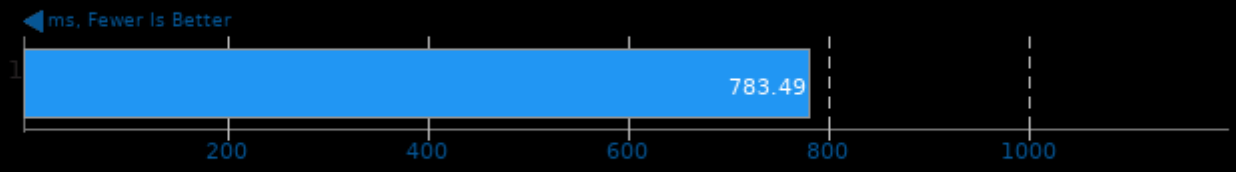


1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 250 - Mode: Read Only - Average Latency
ms, Fewer Is Better
0.205
0.0461
0.0922
0.1383
0.1844
0.2305
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency
ms, Fewer Is Better
125.80
30
60
90
120
150
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 500 - Mode: Read Only - Average Latency
ms, Fewer Is Better
0.423
0.0952
0.1904
0.2856
0.3808
0.476
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 1 - Mode: Read Only - Average Latency
ms, Fewer Is Better
0.029
0.0065
0.013
0.0195
0.026
0.0325
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency
ms, Fewer Is Better
305.43
70
140
210
280
350
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

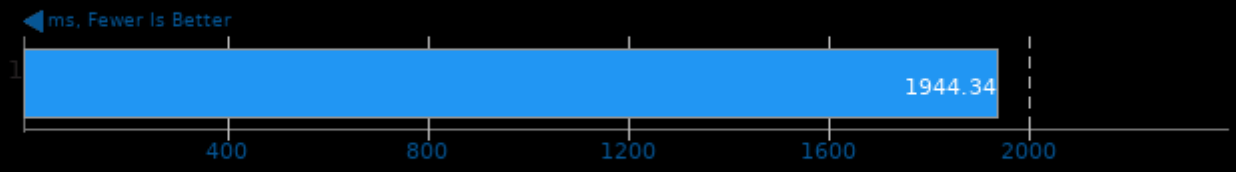
Scaling Factor: 1 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

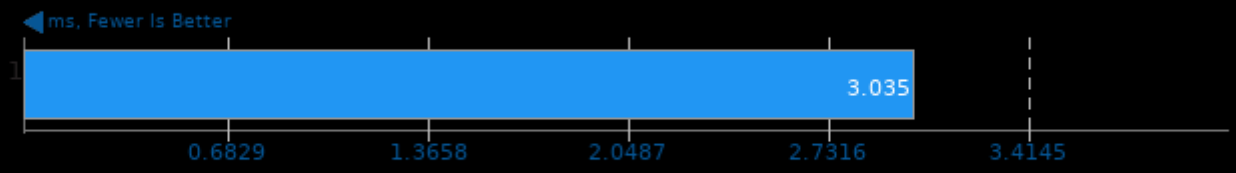
Scaling Factor: 1 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

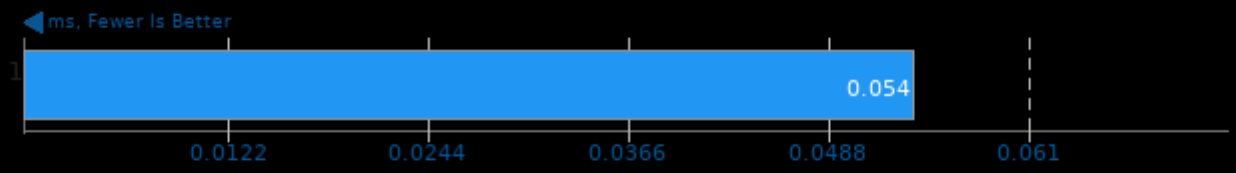
Scaling Factor: 100 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

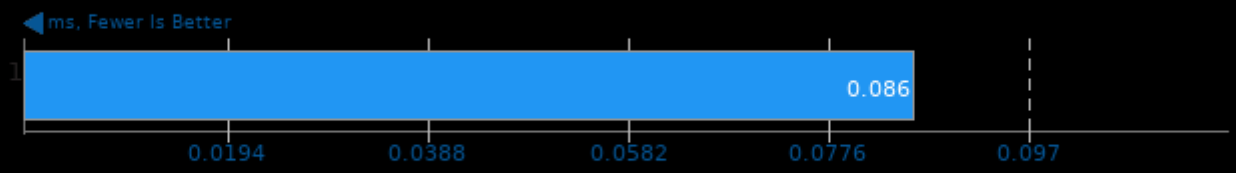
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

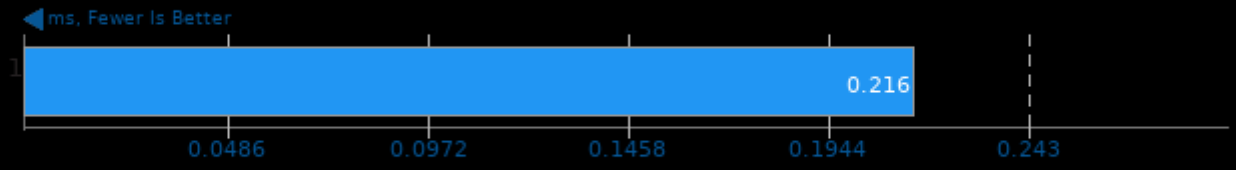
Scaling Factor: 100 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

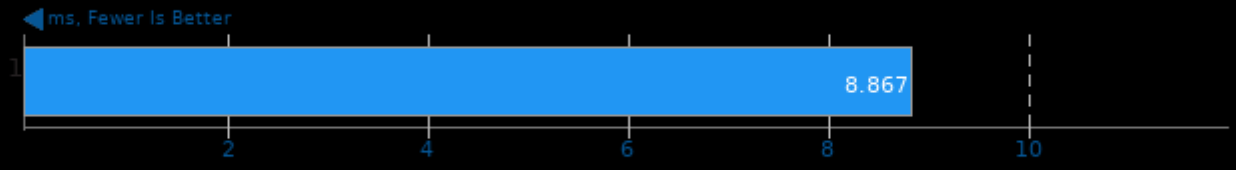
Scaling Factor: 100 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

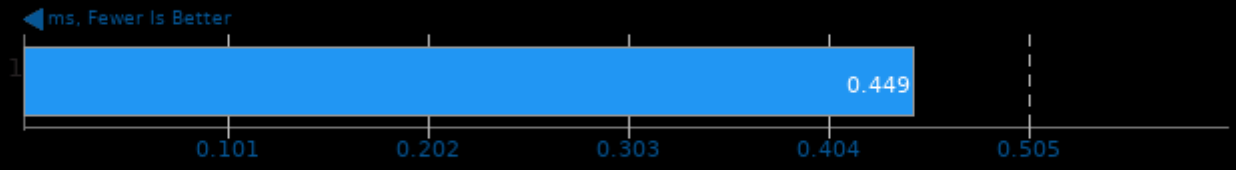
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

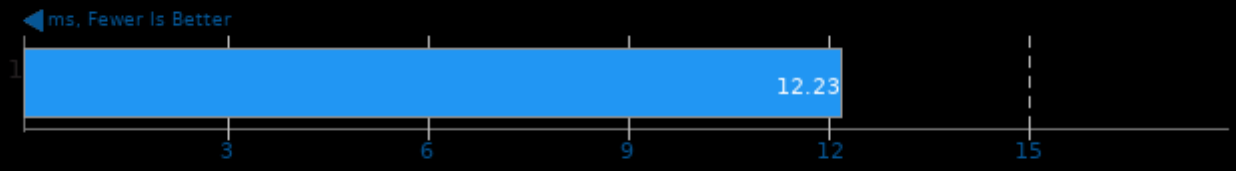
Scaling Factor: 100 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

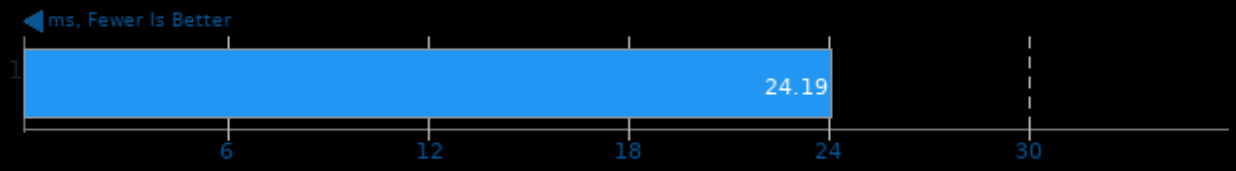
Scaling Factor: 100 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

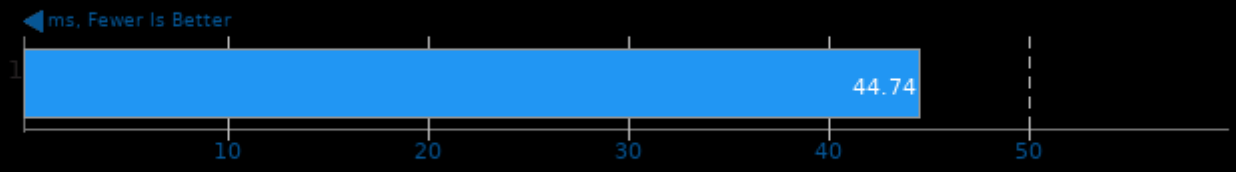
Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

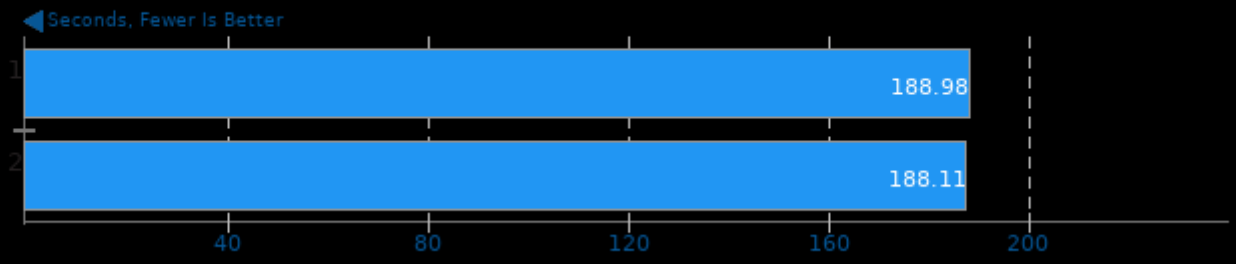
Scaling Factor: 100 - Clients: 500 - Mode: Read Write - Average Latency



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

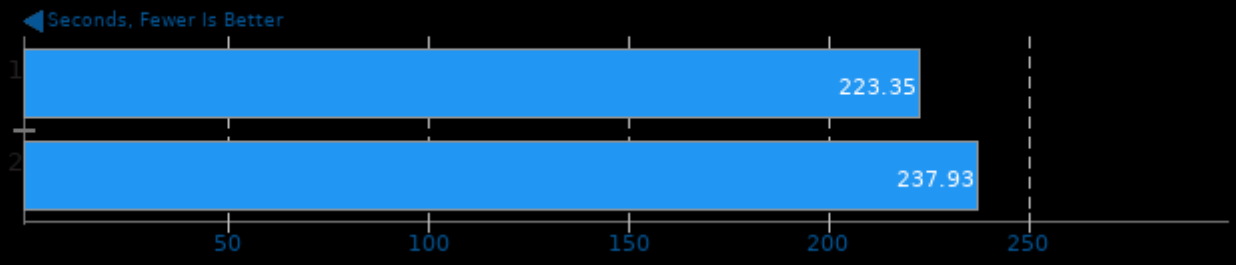
Timed LLVM Compilation 13.0

Build System: Ninja



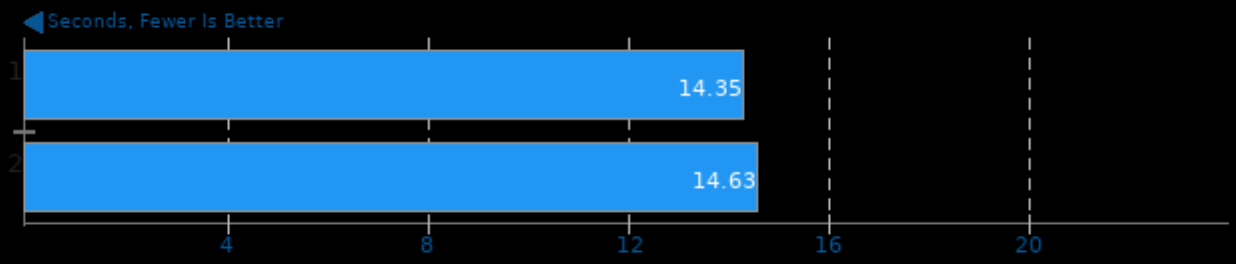
Timed LLVM Compilation 13.0

Build System: Unix Makefiles

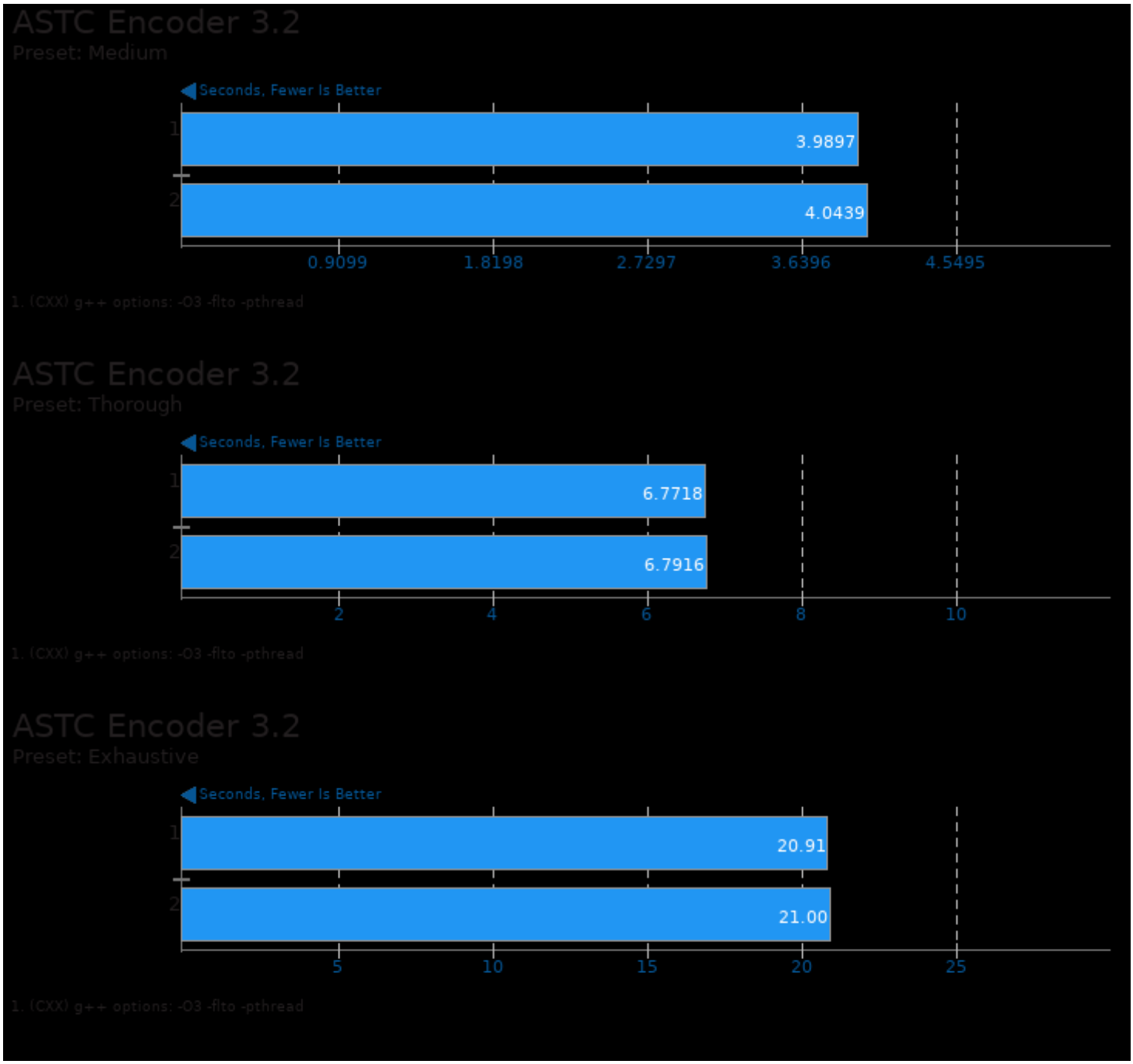


FLAC Audio Encoding 1.3.3

WAV To FLAC



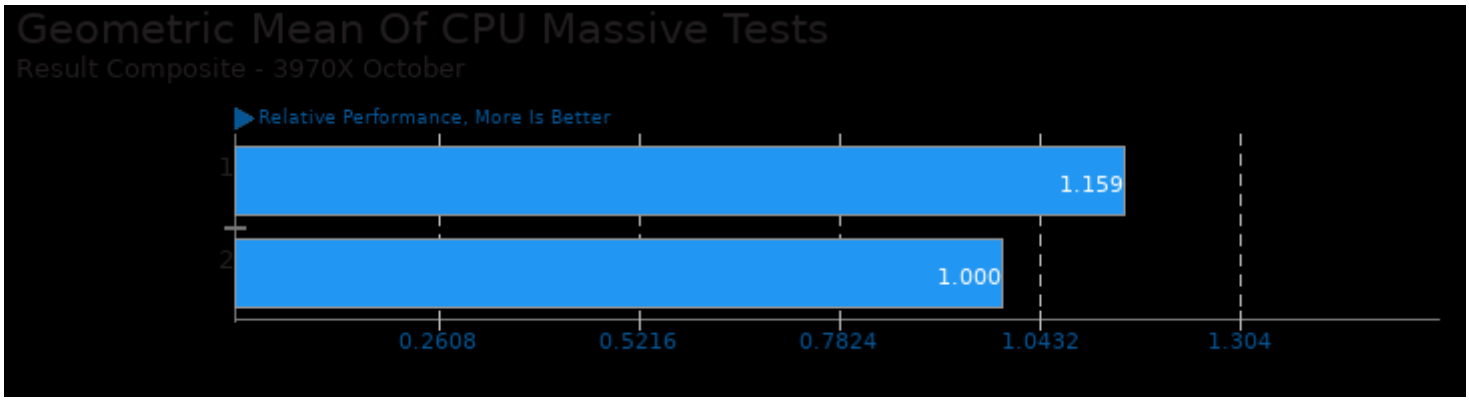
1. (CXX) g++ options: -fvisibility=hidden -logg -lm


ASTC Encoder 3.2
Preset: Medium
Seconds, Fewer Is Better
1
2
3.9897
4.0439
0.9099
1.8198
2.7297
3.6396
4.5495
1. (CXX) g++ options: -O3 -flto -pthread
ASTC Encoder 3.2
Preset: Thorough
Seconds, Fewer Is Better
1
2
6.7718
6.7916
2
4
6
8
10
1. (CXX) g++ options: -O3 -flto -pthread
ASTC Encoder 3.2
Preset: Exhaustive
Seconds, Fewer Is Better
1
2
20.91
21.00
5
10
15
20
25
1. (CXX) g++ options: -O3 -flto -pthread

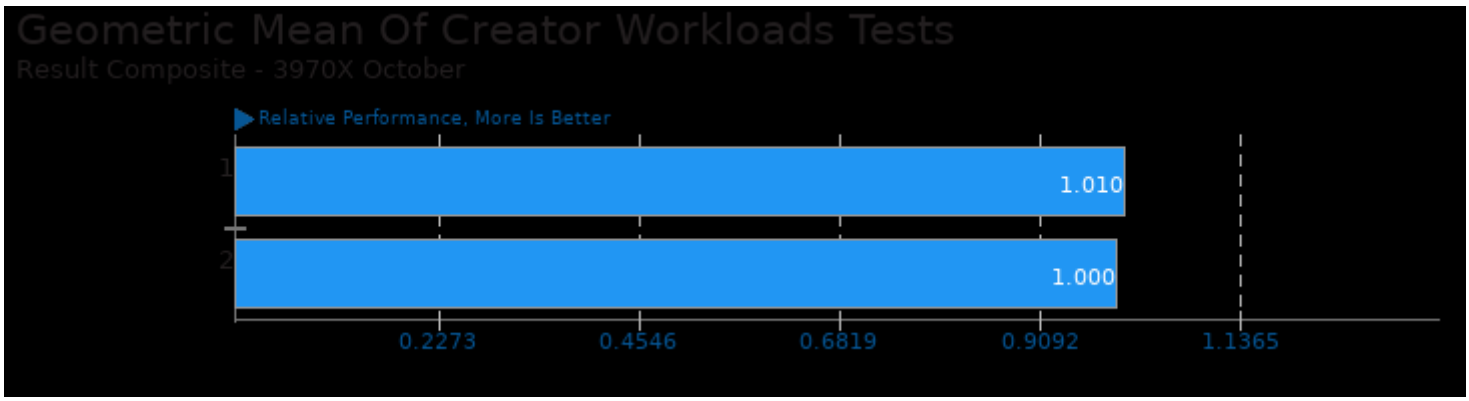
These geometric means are based upon test groupings / test suites for this result file.



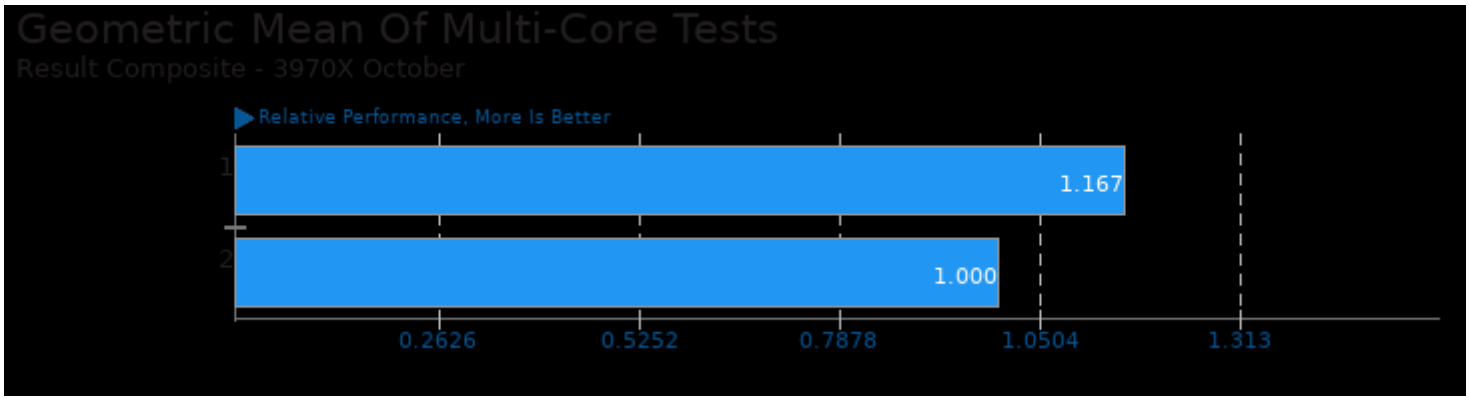
Geometric mean based upon tests: pts/build-llvm, pts/encode-flac and pts/pgbench



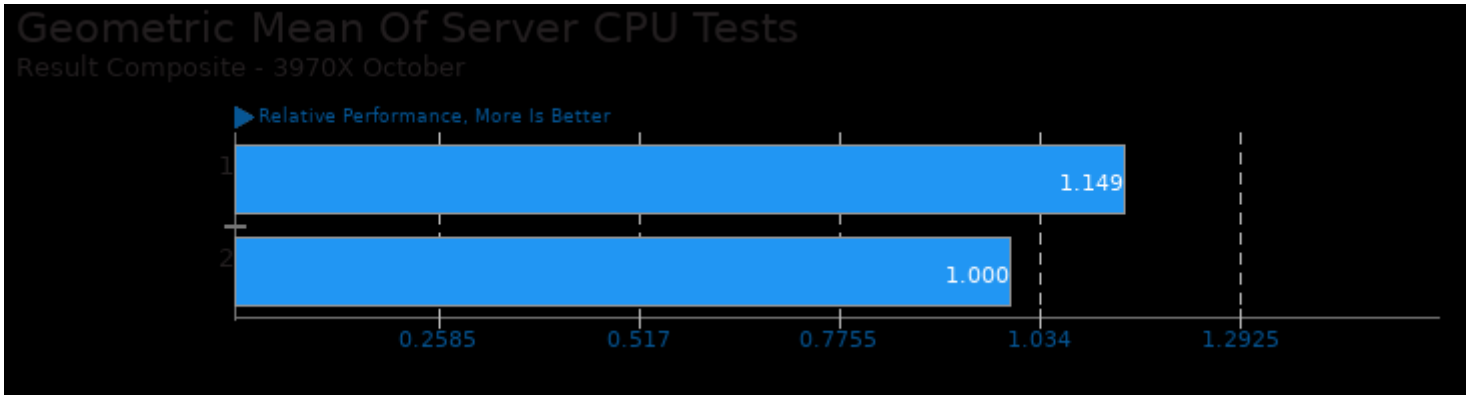
Geometric mean based upon tests: pts/build-llvm, pts/encode-flac, pts/pgbench and pts/cpuminer-opt



Geometric mean based upon tests: pts/encode-flac and pts/astcenc



Geometric mean based upon tests: pts/cpuminer-opt, pts/build-llvm and pts/pgbench



Geometric mean based upon tests: pts/build-llvm and pts/cpuminer-opt

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 09:10.