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10980XE October

Intel Core i9-10980XE testing with a ASRock X299 Steel Legend (P1.30 BIOS) and NVIDIA NV132 11GB on Ubuntu 21.04 via the Phoronix Test Suite.

Automated Executive Summary

2 had the most wins, coming in first place for 43% of the tests.

Based on the geometric mean of all complete results, the fastest (1) was 1.015x the speed of the slowest (3). 2 was 0.999x the speed of 1 and 3 was 0.987x the speed of 2.

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

PostgreSQL pgbench (Scaling Factor: 1 - Clients: 250 - Mode: Read Write) at 1.097x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 250 - Mode: Read Write - Average Latency) at 1.095x
PostgreSQL pgbench (Scaling Factor: 100 - Clients: 1 - Mode: Read Write) at 1.068x
PostgreSQL pgbench (Scaling Factor: 100 - Clients: 1 - Mode: Read Write - Average Latency) at 1.067x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 1 - Mode: Read Write) at 1.061x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency) at 1.06x
PostgreSQL pgbench (Scaling Factor: 100 - Clients: 250 - Mode: Read Write) at 1.049x
PostgreSQL pgbench (Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency) at 1.048x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 50 - Mode: Read Write) at 1.039x

PostgreSQL pgbench (Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency) at 1.039x.

Test Systems:

1

2

3

Processor: Intel Core i9-10980XE @ 4.80GHz (18 Cores / 36 Threads), Motherboard: ASRock X299 Steel Legend (P1.30 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 32GB, Disk: Samsung SSD 970 PRO 512GB, Graphics: NVIDIA NV132 11GB, Audio: Realtek ALC1220, Monitor: ASUS VP28U, Network: Intel I219-V + Intel I211

OS: Ubuntu 21.04, Kernel: 5.11.0-31-generic (x86_64), Desktop: GNOME Shell 3.38.4, Display Server: X Server 1.20.11 + Wayland, Display Driver: nouveau, OpenGL: 4.3 Mesa 21.0.1, Vulkan: 1.0.2, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 2560x1600

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-gDeRY6/gcc-10-10.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-gDeRY6/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: intel_cpfreq schedutil - CPU Microcode: 0x5003102

Python Notes: Python 3.9.5

Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IPB: conditional RSB filling + srbs: Not affected + tsx_async_abort: Mitigation of TSX disabled

	1	2	3
Timed LLVM Compilation - Ninja (sec)	375.247	375.523	375.34
Normalized	100%	99.93%	99.98%
Standard Deviation	0.1%		
Timed LLVM Compilation - Unix Makefiles	420.095	410.78	424.02
Normalized	97.78%	100%	96.88%
Standard Deviation	1.8%		
FLAC Audio Encoding - WAV To FLAC (sec)	17.770	17.762	17.798
Normalized	99.95%	100%	99.8%
Standard Deviation	0.2%		
Cpuminer-Opt - Magi (kH/s)	488.93	482.89	490.96
Normalized	99.59%	98.36%	100%
Standard Deviation	1.8%		
Cpuminer-Opt - x25x (kH/s)	533.57	547.55	529.83
Normalized	97.45%	100%	96.76%

	Standard Deviation	1.8%		
Cpuminer-Opt - Deepcoin (kH/s)	15086	14750	15070	
	Normalized	100%	97.77%	99.89%
	Standard Deviation	4.2%		
Cpuminer-Opt - Ringcoin (kH/s)	3324	3351	3337	
	Normalized	99.21%	100%	99.58%
	Standard Deviation	1%		
Cpuminer-Opt - Blake-2 S (kH/s)	1034599	881690	1042210	
	Normalized	99.27%	84.6%	100%
	Standard Deviation	7.7%		
Cpuminer-Opt - Garlicoin (kH/s)	7310	7468	7256	
	Normalized	97.89%	100%	97.16%
	Standard Deviation	0.9%		
Cpuminer-Opt - Skeincoin (kH/s)	162645	160240	160390	
	Normalized	100%	98.52%	98.61%
	Standard Deviation	2.4%		
Cpuminer-Opt - Myriad-Groestl (kH/s)	12381	12530	12680	
	Normalized	97.64%	98.82%	100%
	Standard Deviation	3.7%		
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	112967	112450	113430	
	Normalized	99.59%	99.14%	100%
	Standard Deviation	1.2%		
Cpuminer-Opt - Q.S.2.P (kH/s)	241953	239740	239760	
	Normalized	100%	99.09%	99.09%
	Standard Deviation	0.9%		
Cpuminer-Opt - T.S.2.O (kH/s)	346463	339690	352020	
	Normalized	98.42%	96.5%	100%
	Standard Deviation	0.9%		
PostgreSQL pgbench - 1 - 1 - Read Only	29084	28527	29299	
	Normalized	99.27%	97.37%	100%
	Standard Deviation	2.4%		
PostgreSQL pgbench - 1 - 1 - Read Only - Average Latency (ms)	0.035	0.035	0.034	
	Normalized	97.14%	97.14%	100%
	Standard Deviation	2.2%		
PostgreSQL pgbench - 1 - 1 - Read Write	614	629	593	
	Normalized	97.62%	100%	94.28%
	Standard Deviation	0.7%		
PostgreSQL pgbench - 1 - 1 - Read Write - Average Latency (ms)	1.630	1.59	1.685	
	Normalized	97.55%	100%	94.36%
	Standard Deviation	0.6%		
PostgreSQL pgbench - 1 - 50 - Read Only (TPS)	500526	499914	499845	
	Normalized	100%	99.88%	99.86%
	Standard Deviation	0.4%		
PostgreSQL pgbench - 1 - 50 - Read Only - Average Latency (ms)	0.100	0.1	0.1	
	Standard Deviation	0.6%		
PostgreSQL pgbench - 1 - 100 - Read Only (TPS)	545720	550667	545658	
	Normalized	99.1%	100%	99.09%
	Standard Deviation	0.5%		

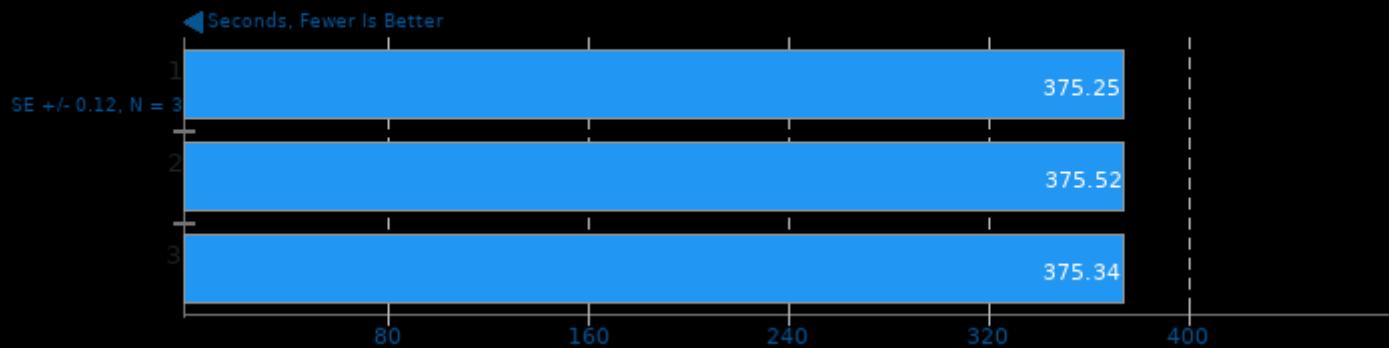
PostgreSQL pgbench - 1 - 100 - Read Only -	0.183	0.182	0.183
Average Latency (ms)			
Normalized	99.45%	100%	99.45%
Standard Deviation	0.5%		
PostgreSQL pgbench - 1 - 250 - Read Only			
	529384	529774	527187
(TPS)			
Normalized	99.93%	100%	99.51%
Standard Deviation	0.3%		
PostgreSQL pgbench - 1 - 250 - Read Only -			
	0.472	0.472	0.474
Average Latency (ms)			
Normalized	100%	100%	99.58%
Standard Deviation	0.2%		
PostgreSQL pgbench - 1 - 50 - Read Write			
	551	554	533
(TPS)			
Normalized	99.46%	100%	96.21%
Standard Deviation	0.1%		
PostgreSQL pgbench - 1 - 50 - Read Write -			
	90.669	90.243	93.795
Average Latency (ms)			
Normalized	99.53%	100%	96.21%
Standard Deviation	0.1%		
PostgreSQL pgbench - 1 - 500 - Read Only			
	474367	467611	463175
(TPS)			
Normalized	100%	98.58%	97.64%
Standard Deviation	1.5%		
PostgreSQL pgbench - 1 - 500 - Read Only -			
	1.054	1.069	1.08
Average Latency (ms)			
Normalized	100%	98.6%	97.59%
Standard Deviation	1.5%		
PostgreSQL pgbench - 100 - 1 - Read Only			
	28436	27772	27437
(TPS)			
Normalized	100%	97.66%	96.49%
Standard Deviation	1.9%		
PostgreSQL pgbench - 100 - 1 - Read Only -			
	0.035	0.036	0.036
Average Latency (ms)			
Normalized	100%	97.22%	97.22%
Standard Deviation	1.6%		
PostgreSQL pgbench - 1 - 100 - Read Write			
	512	515	503
(TPS)			
Normalized	99.42%	100%	97.67%
Standard Deviation	1.6%		
PostgreSQL pgbench - 1 - 100 - Read Write -			
	195.308	194.299	198.636
Average Latency (ms)			
Normalized	99.48%	100%	97.82%
Standard Deviation	1.6%		
PostgreSQL pgbench - 1 - 250 - Read Write			
	418	402	381
(TPS)			
Normalized	100%	96.17%	91.15%
Standard Deviation	2.9%		
PostgreSQL pgbench - 1 - 250 - Read Write -			
	599.188	621.732	655.935
Average Latency (ms)			
Normalized	100%	96.37%	91.35%
Standard Deviation	2.9%		

PostgreSQL pgbench - 1 - 500 - Read Write	252	234	212
	(TPS)		
Normalized	100%	92.86%	84.13%
Standard Deviation	14.1%		
PostgreSQL pgbench - 1 - 500 - Read Write -	2022	2141	2357
	Average Latency (ms)		
Normalized	100%	94.44%	85.79%
Standard Deviation	15.4%		
PostgreSQL pgbench - 100 - 1 - Read Write	522	546	511
	(TPS)		
Normalized	95.6%	100%	93.59%
Standard Deviation	0.7%		
PostgreSQL pgbench - 100 - 1 - Read Write -	1.914	1.832	1.955
	Average Latency (ms)		
Normalized	95.72%	100%	93.71%
Standard Deviation	0.7%		
PostgreSQL pgbench - 100 - 50 - Read Only	483563	483560	483142
	(TPS)		
Normalized	100%	100%	99.91%
Standard Deviation	0.2%		
PostgreSQL pgbench - 100 - 50 - Read Only -	0.103	0.103	0.103
	Average Latency (ms)		
Standard Deviation	0.6%		
PostgreSQL pgbench - 100 - 100 - Read Only	511707	512288	510479
	(TPS)		
Normalized	99.89%	100%	99.65%
Standard Deviation	0.2%		
PostgreSQL pgbench - 100 - 100 - Read Only -	0.195	0.195	0.196
	Average Latency (ms)		
Normalized	100%	100%	99.49%
Standard Deviation	0.3%		
PostgreSQL pgbench - 100 - 250 - Read Only	502575	502128	505197
	(TPS)		
Normalized	99.48%	99.39%	100%
Standard Deviation	0.2%		
PostgreSQL pgbench - 100 - 250 - Read Only -	0.498	0.498	0.495
	Average Latency (ms)		
Normalized	99.4%	99.4%	100%
Standard Deviation	0.2%		
PostgreSQL pgbench - 100 - 50 - Read Write	7672	7832	7601
	(TPS)		
Normalized	97.96%	100%	97.05%
Standard Deviation	1%		
PostgreSQL pgbench - 100 - 50 - Read Write -	6.518	6.384	6.578
	Average Latency (ms)		
Normalized	97.94%	100%	97.05%
Standard Deviation	1%		
PostgreSQL pgbench - 100 - 500 - Read Only	442466	441906	437161
	(TPS)		
Normalized	100%	99.87%	98.8%
Standard Deviation	0.6%		

PostgreSQL pgbench - 100 - 500 - Read Only	1.130	1.131	1.144
- Average Latency (ms)			
Normalized	100%	99.91%	98.78%
Standard Deviation	0.5%		
PostgreSQL pgbench - 100 - 100 - Read			
Write (TPS)	10731	10940	10587
Normalized	98.09%	100%	96.77%
Standard Deviation	0.7%		
PostgreSQL pgbench - 100 - 100 - Read			
Write - Average Latency (ms)	9.319	9.14	9.445
Normalized	98.08%	100%	96.77%
Standard Deviation	0.7%		
PostgreSQL pgbench - 100 - 250 - Read			
Write (TPS)	13398	14048	13456
Normalized	95.37%	100%	95.79%
Standard Deviation	0.5%		
PostgreSQL pgbench - 100 - 250 - Read			
Write - Average Latency (ms)	18.659	17.796	18.579
Normalized	95.37%	100%	95.79%
Standard Deviation	0.5%		
PostgreSQL pgbench - 100 - 500 - Read			
Write (TPS)	14882	15238	15075
Normalized	97.66%	100%	98.93%
Standard Deviation	1.1%		
PostgreSQL pgbench - 100 - 500 - Read			
Write - Average Latency (ms)	33.600	32.813	33.168
Normalized	97.66%	100%	98.93%
Standard Deviation	1.1%		
ASTC Encoder - Medium (sec)			
4.6949	4.6982	4.6941	
Normalized	99.98%	99.91%	100%
Standard Deviation	0.3%		
ASTC Encoder - Thorough (sec)			
8.8146	8.8126	8.808	
Normalized	99.93%	99.95%	100%
Standard Deviation	0.1%		
ASTC Encoder - Exhaustive (sec)			
36.6390	36.6547	36.6948	
Normalized	100%	99.96%	99.85%
Standard Deviation	0.1%		

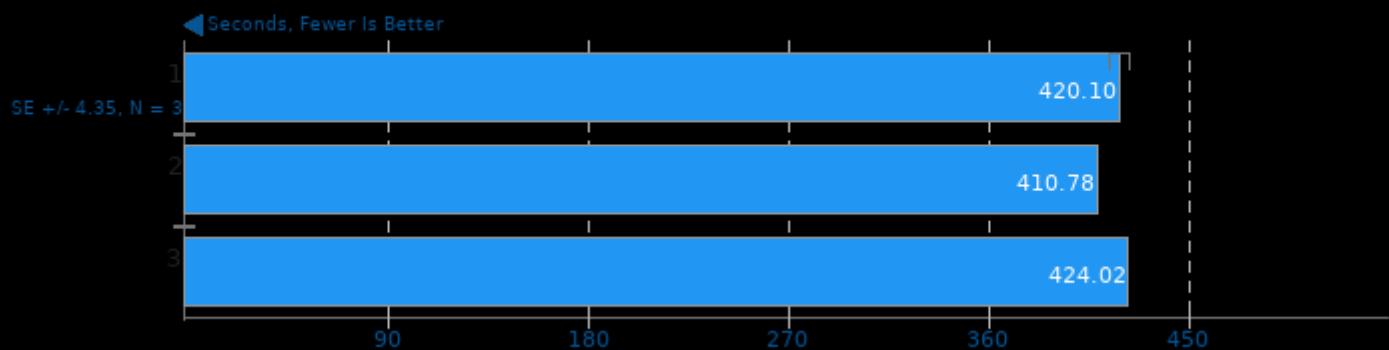
Timed LLVM Compilation 13.0

Build System: Ninja



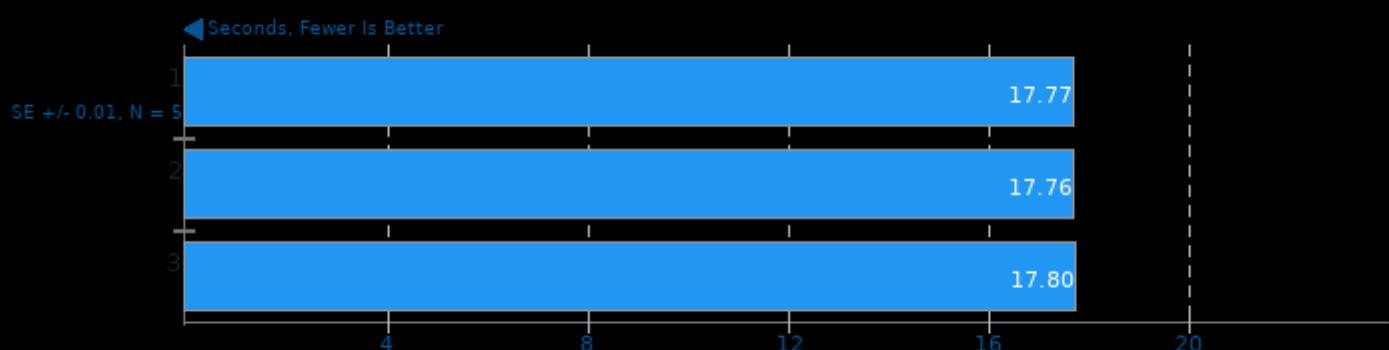
Timed LLVM Compilation 13.0

Build System: Unix Makefiles



FLAC Audio Encoding 1.3.3

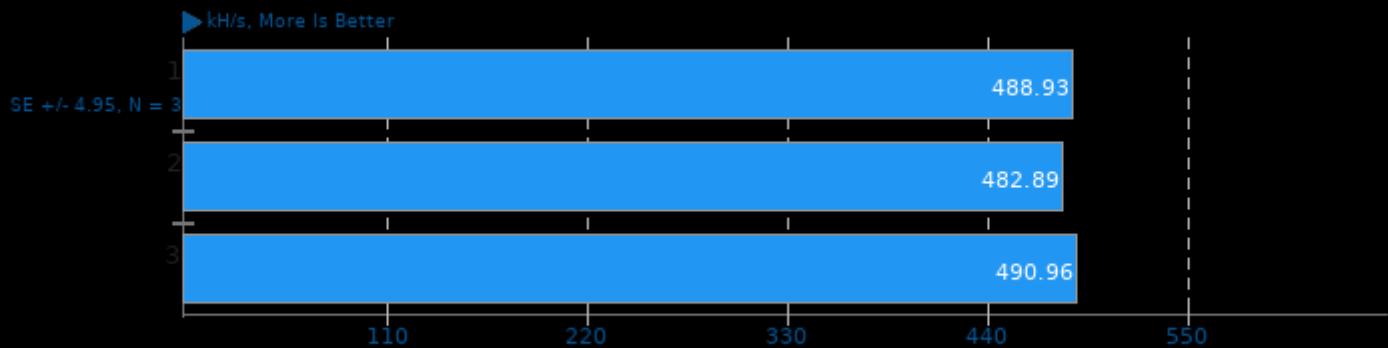
WAV To FLAC



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

Cpuminer-Opt 3.18

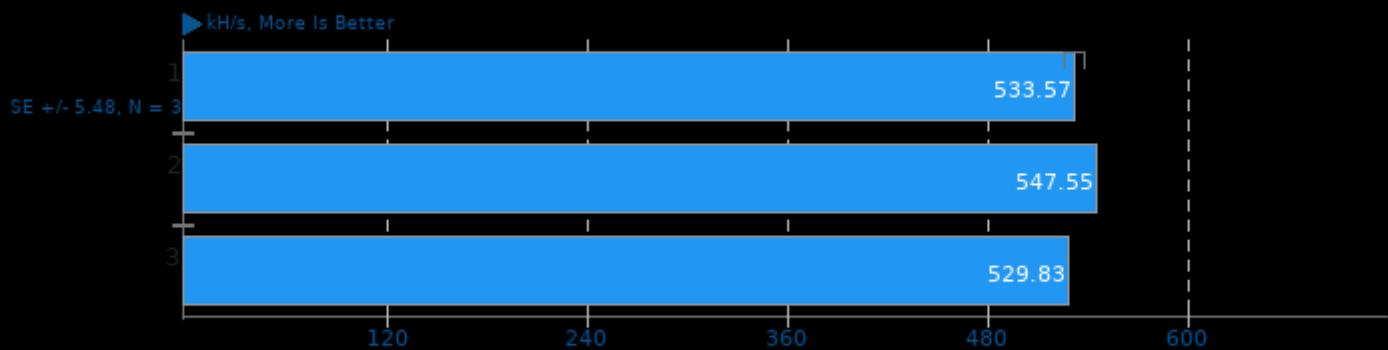
Algorithm: Magi



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

Cpuminer-Opt 3.18

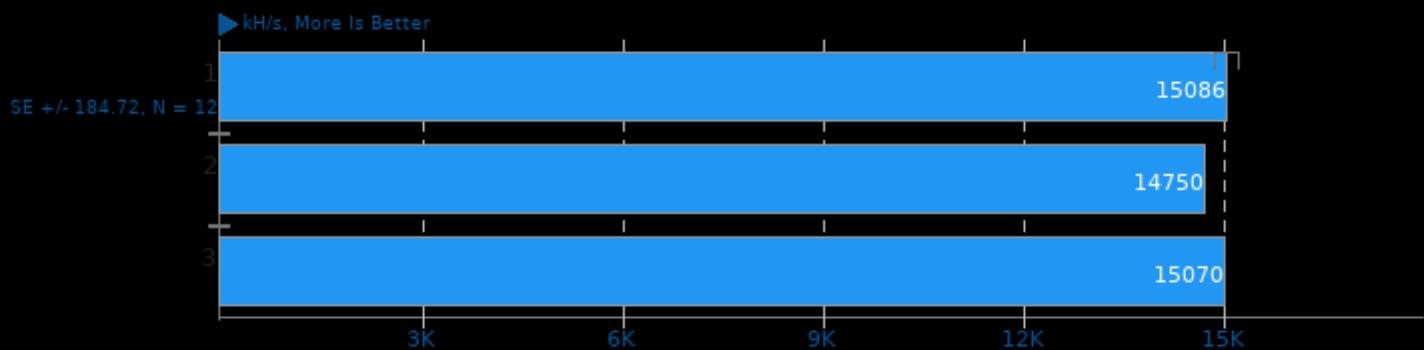
Algorithm: x25x



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

Cpuminer-Opt 3.18

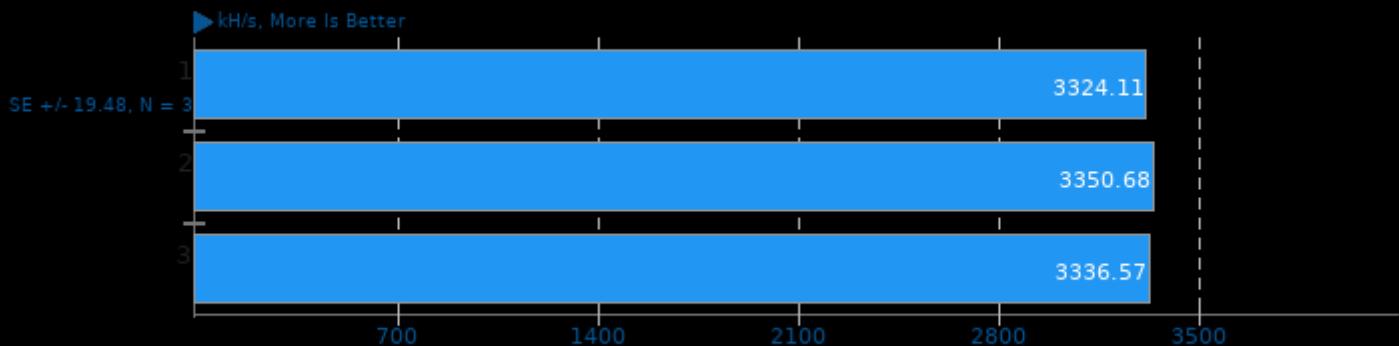
Algorithm: Deepcoin



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

Cpuminer-Opt 3.18

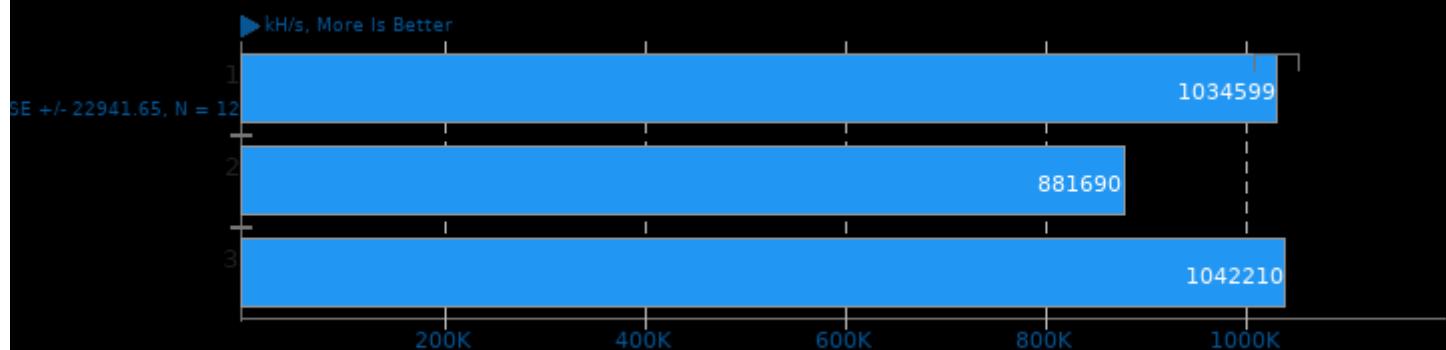
Algorithm: Ringcoin



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

Cpuminer-Opt 3.18

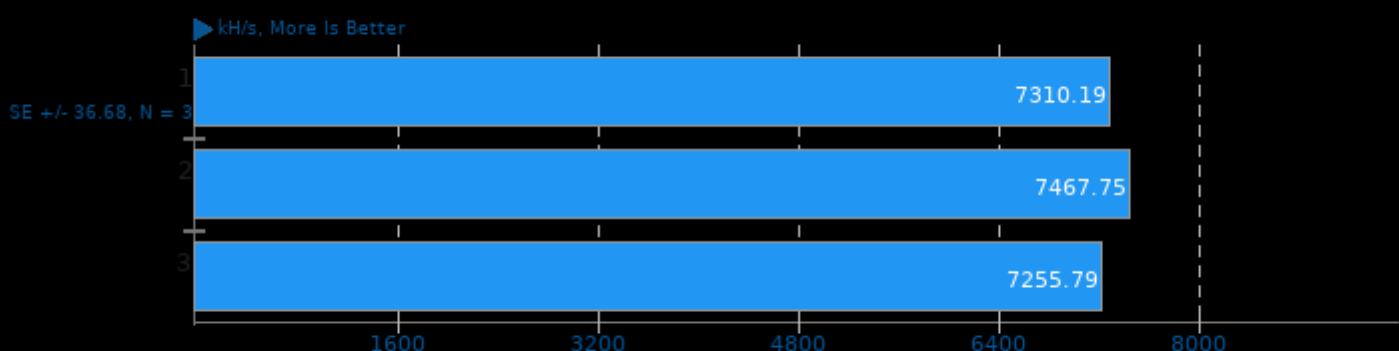
Algorithm: Blake-2 S



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

Cpuminer-Opt 3.18

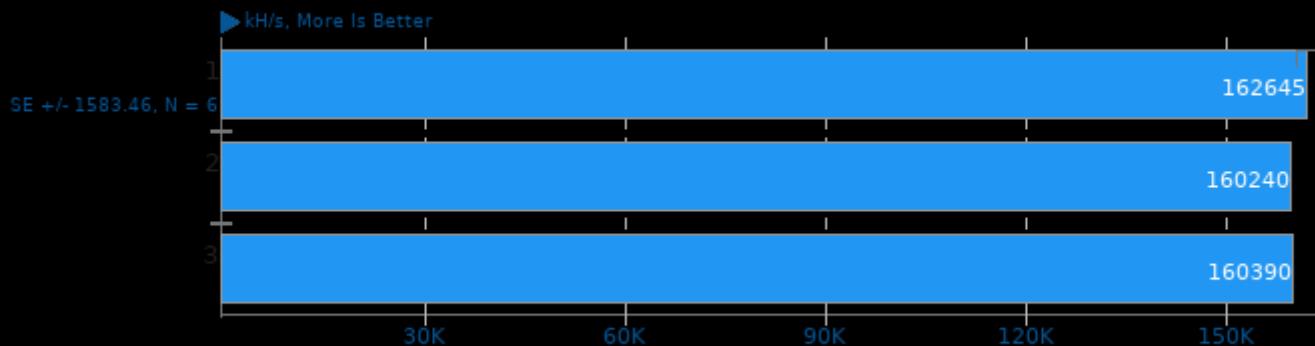
Algorithm: Garlicoin



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

Cpuminer-Opt 3.18

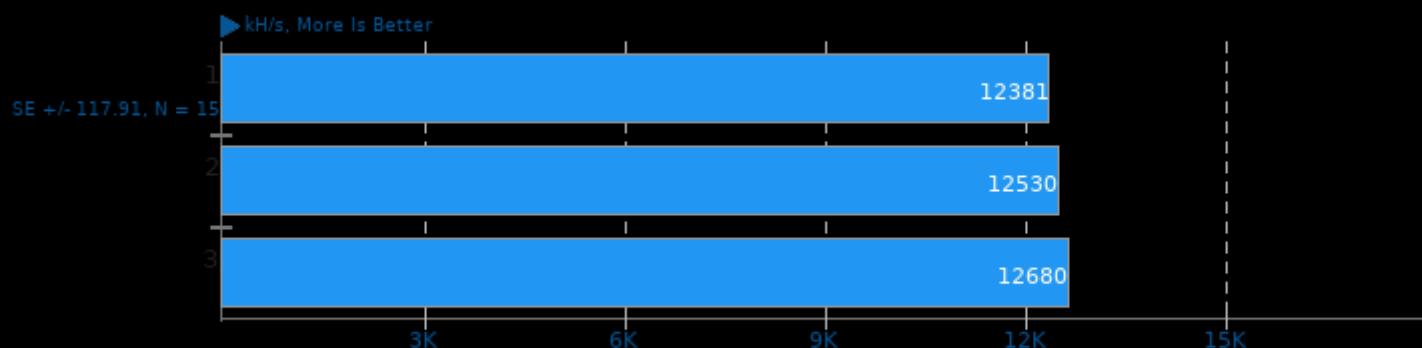
Algorithm: Skeincoin



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

Cpuminer-Opt 3.18

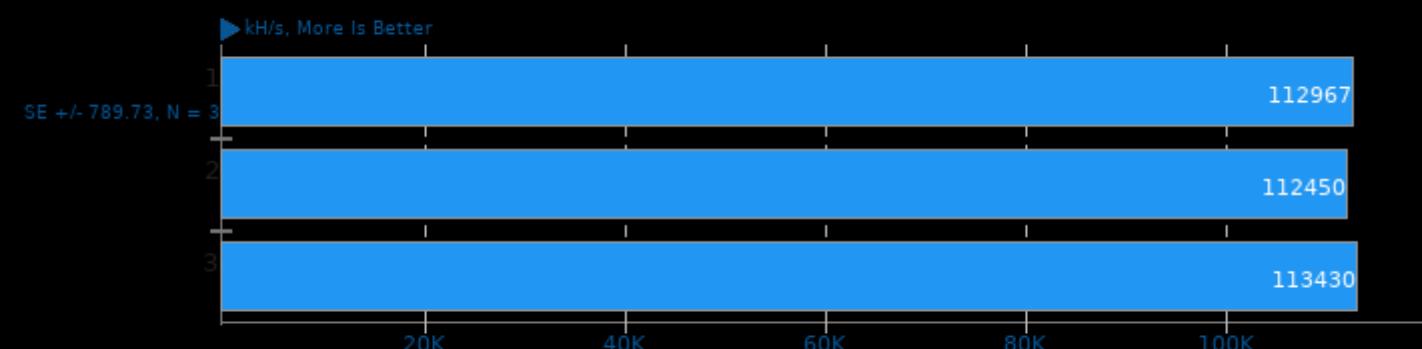
Algorithm: Myriad-Groestl



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

Cpuminer-Opt 3.18

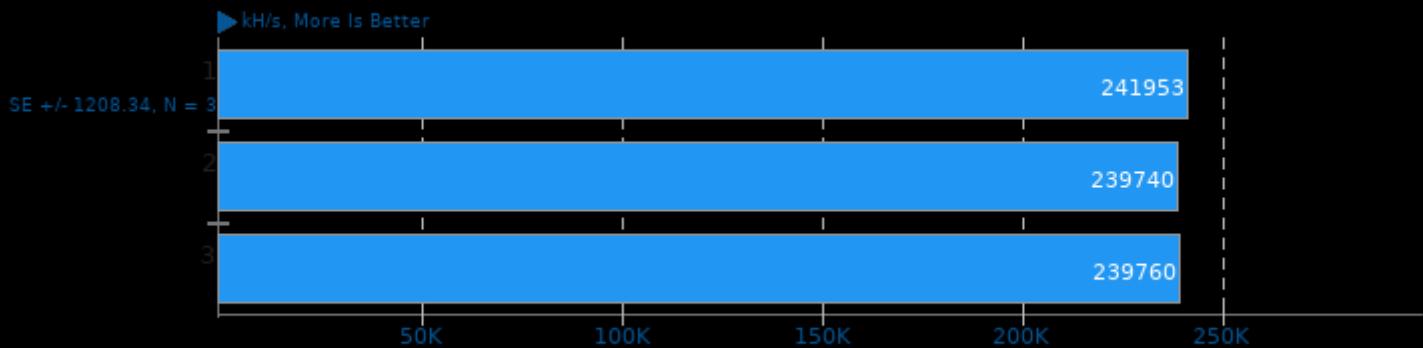
Algorithm: LBC, LBRY Credits



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

Cpuminer-Opt 3.18

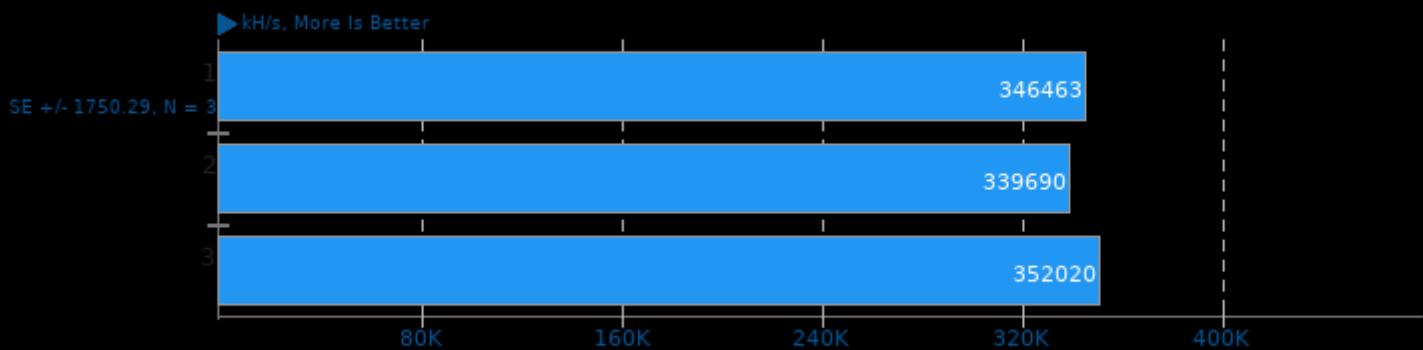
Algorithm: Quad SHA-256, Pyrite



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

Cpuminer-Opt 3.18

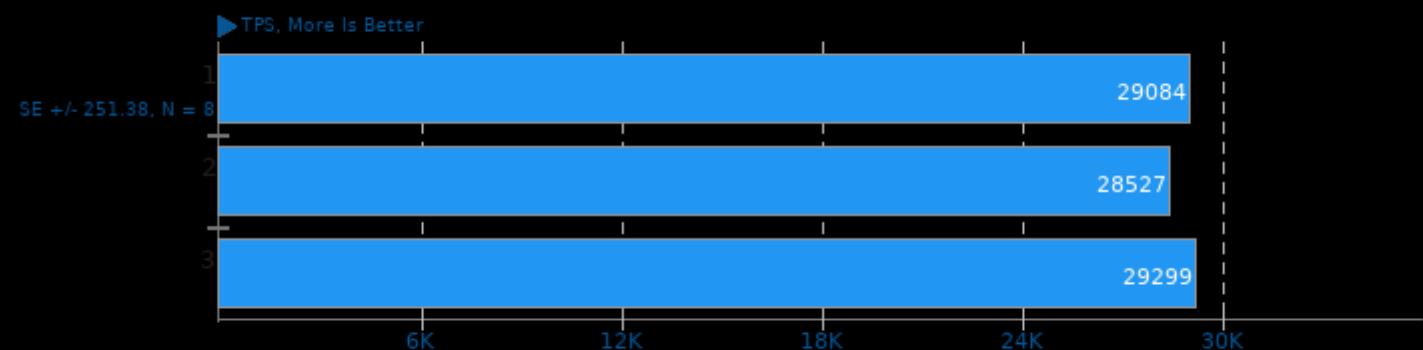
Algorithm: Triple SHA-256, Onecoin



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

PostgreSQL pgbench 14.0

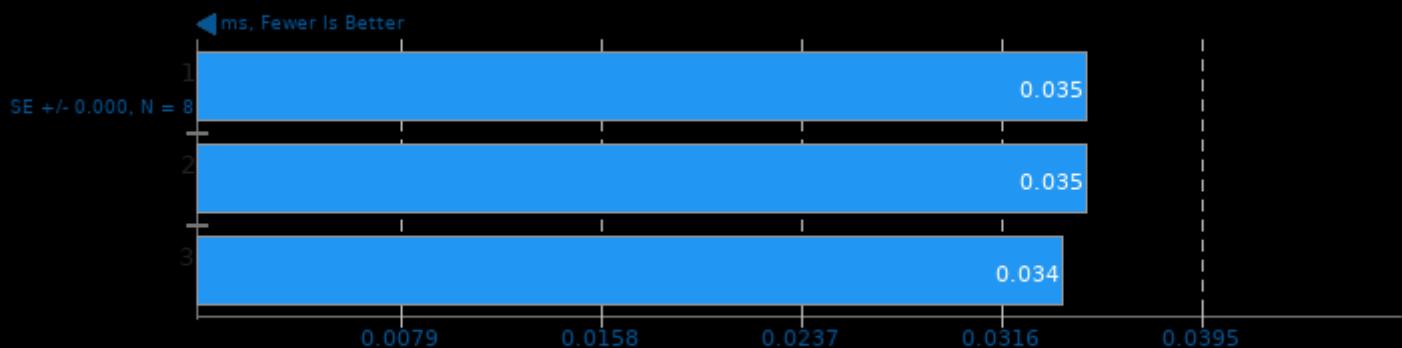
Scaling Factor: 1 - Clients: 1 - Mode: Read Only



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

PostgreSQL pgbench 14.0

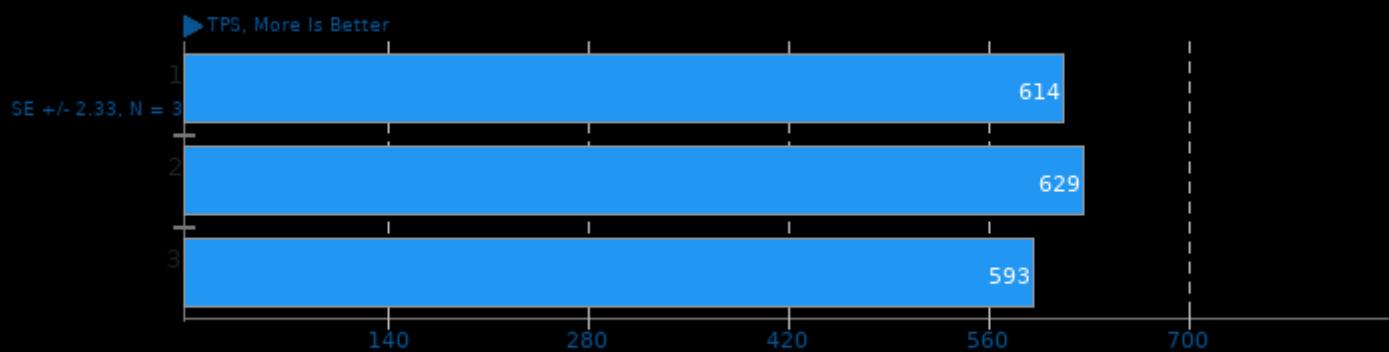
Scaling Factor: 1 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

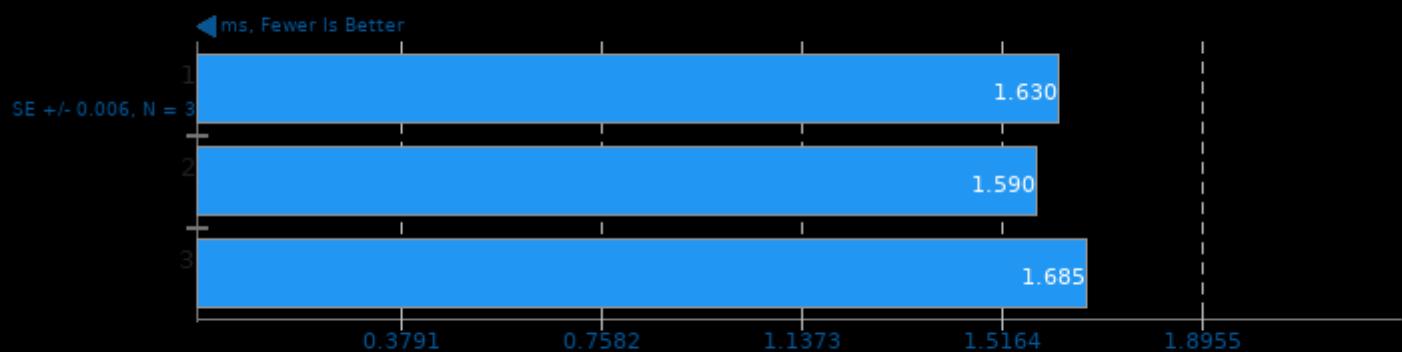
Scaling Factor: 1 - Clients: 1 - Mode: Read Write



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

PostgreSQL pgbench 14.0

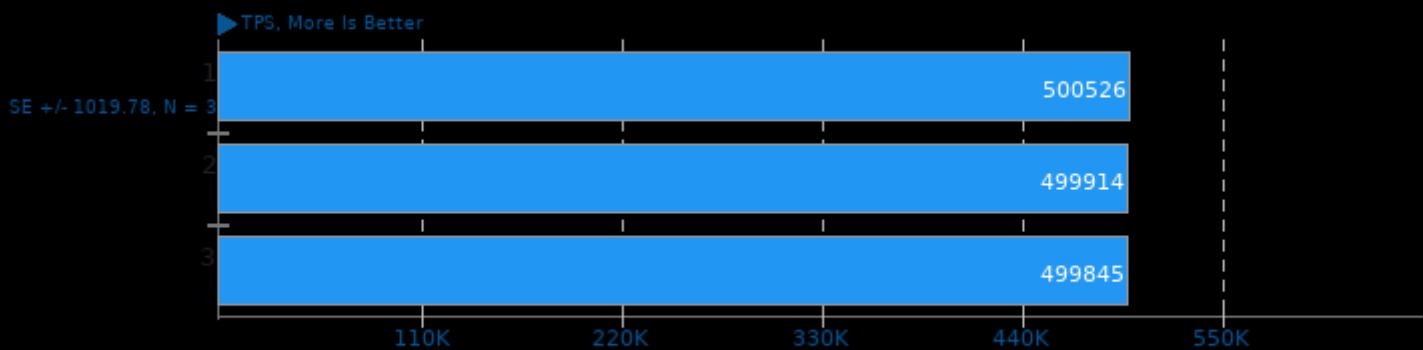
Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

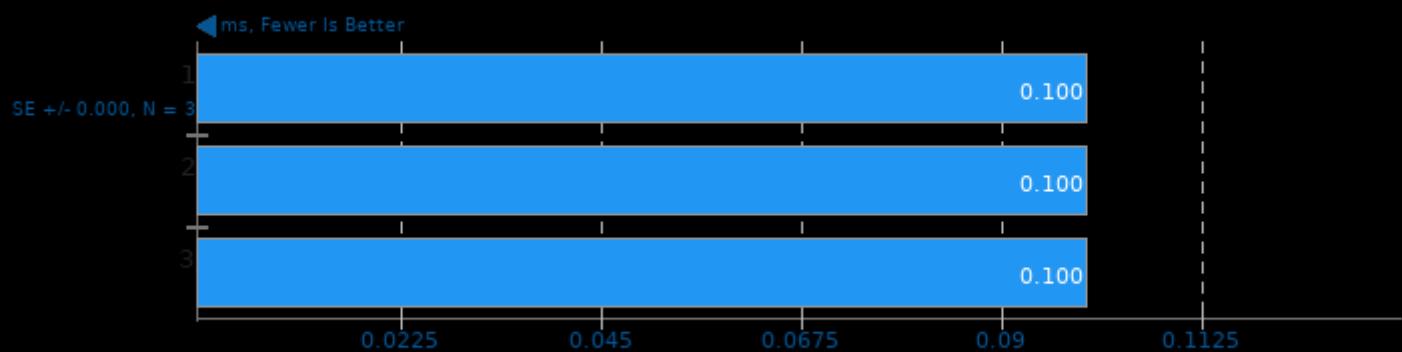
Scaling Factor: 1 - Clients: 50 - Mode: Read Only



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

PostgreSQL pgbench 14.0

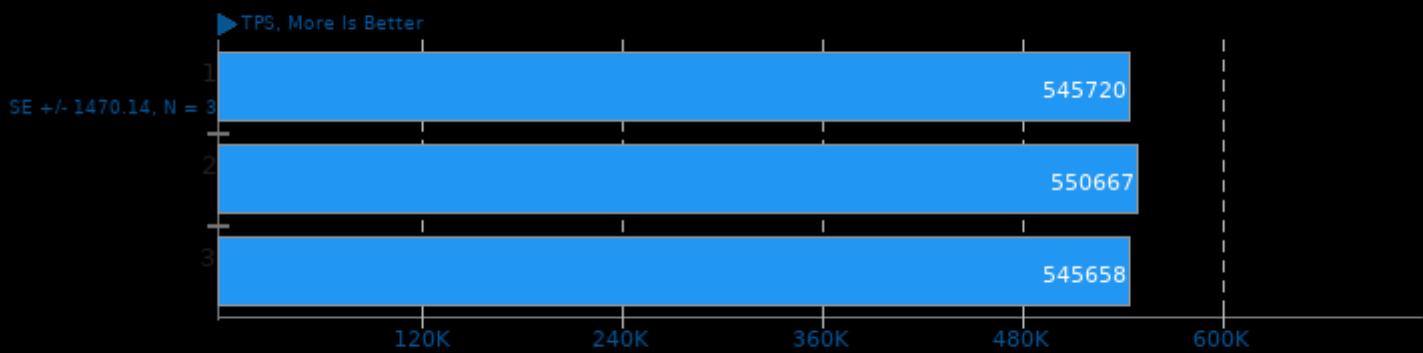
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

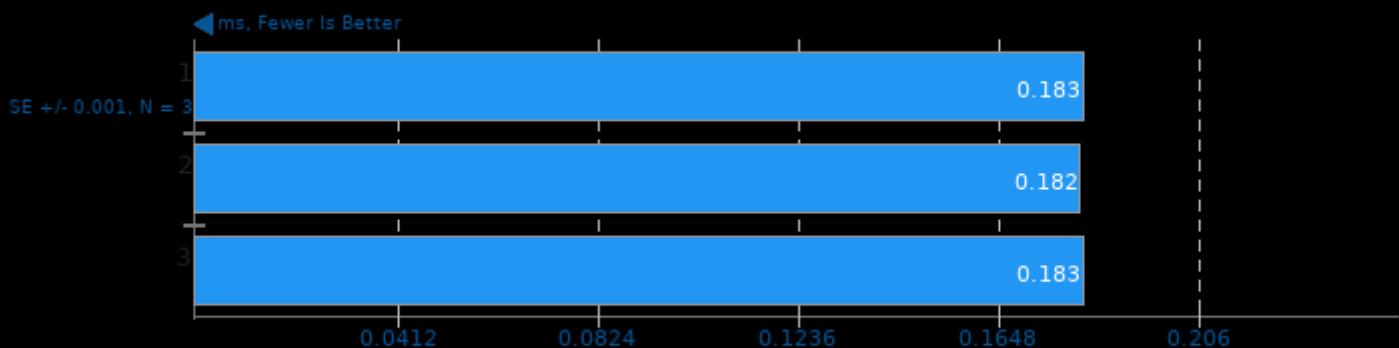
Scaling Factor: 1 - Clients: 100 - Mode: Read Only



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

PostgreSQL pgbench 14.0

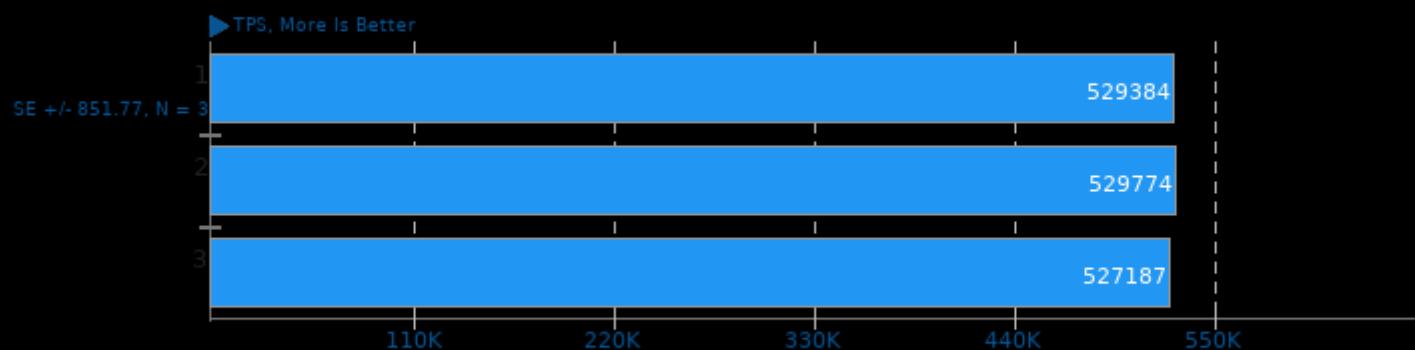
Scaling Factor: 1 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

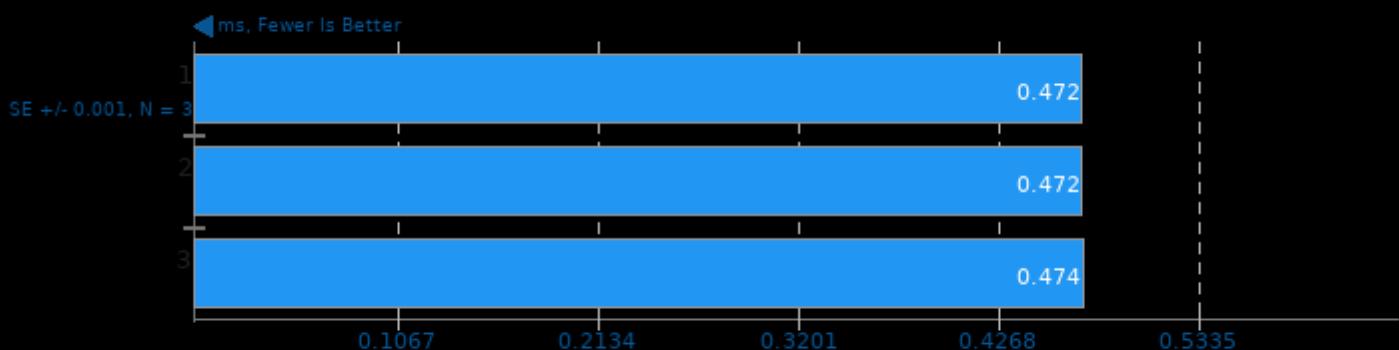
Scaling Factor: 1 - Clients: 250 - Mode: Read Only



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

PostgreSQL pgbench 14.0

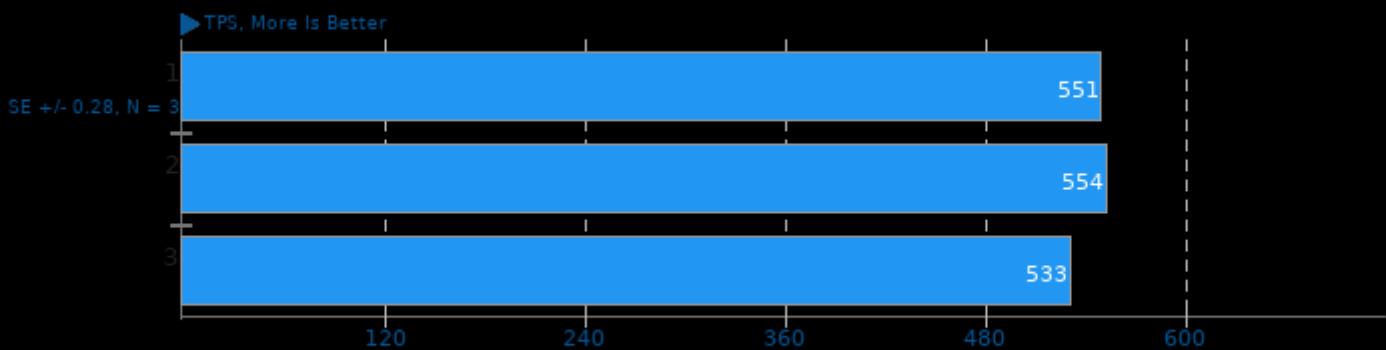
Scaling Factor: 1 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

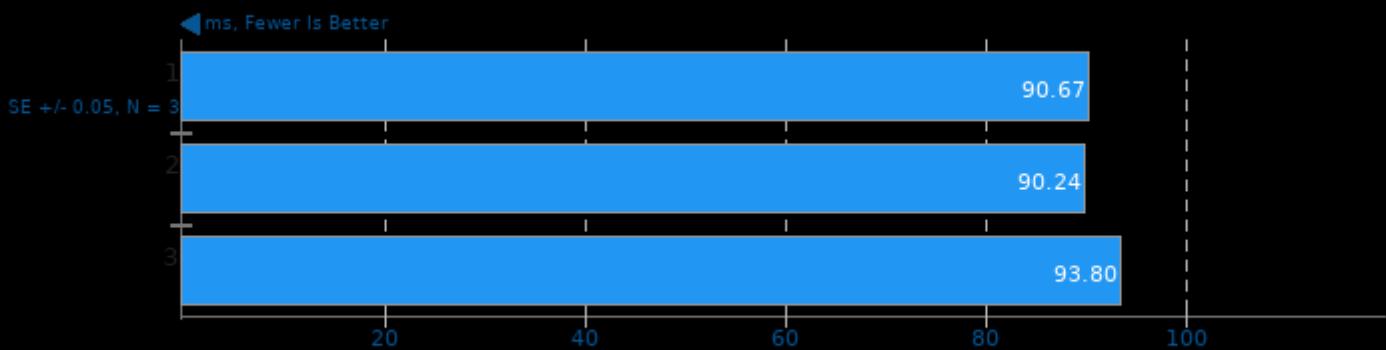
Scaling Factor: 1 - Clients: 50 - Mode: Read Write



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

PostgreSQL pgbench 14.0

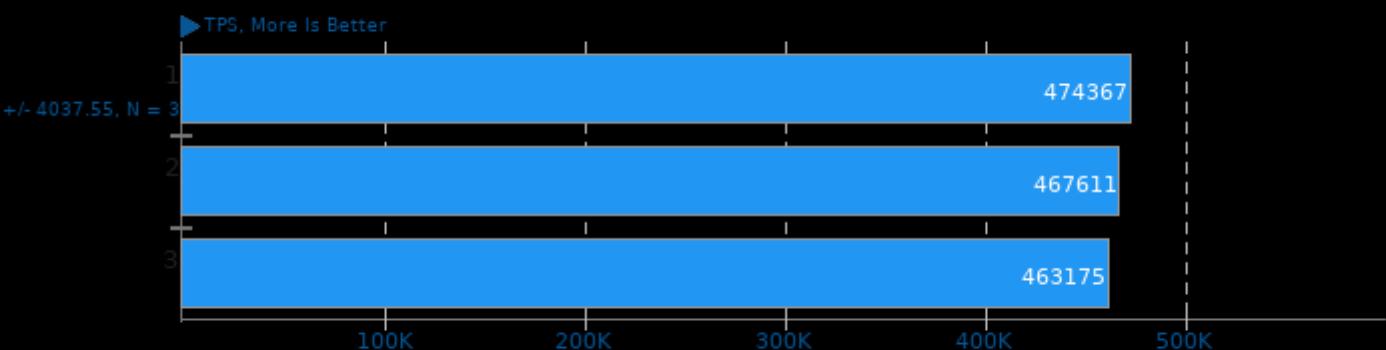
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

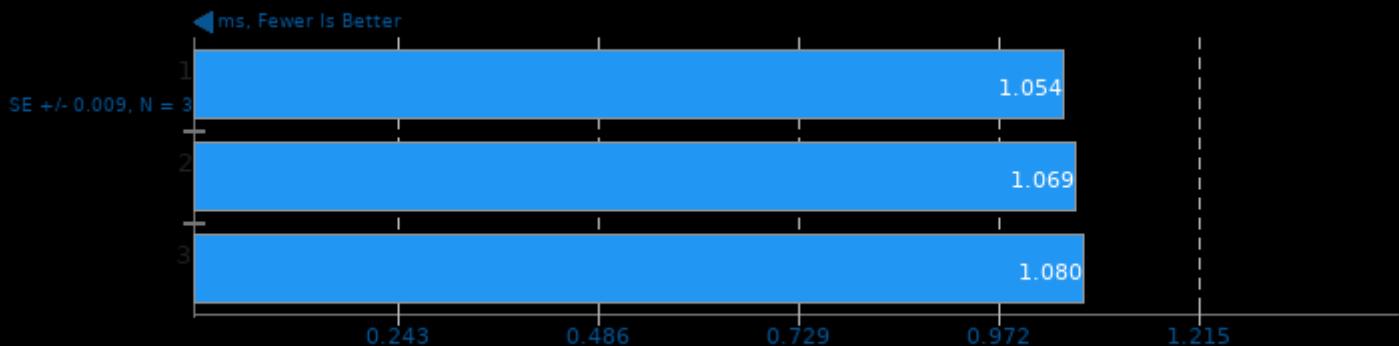
Scaling Factor: 1 - Clients: 500 - Mode: Read Only



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

PostgreSQL pgbench 14.0

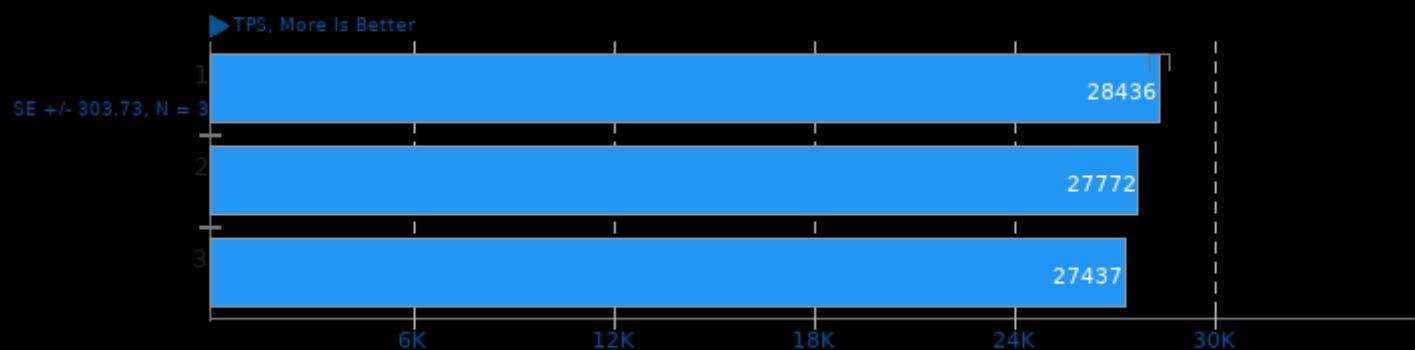
Scaling Factor: 1 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

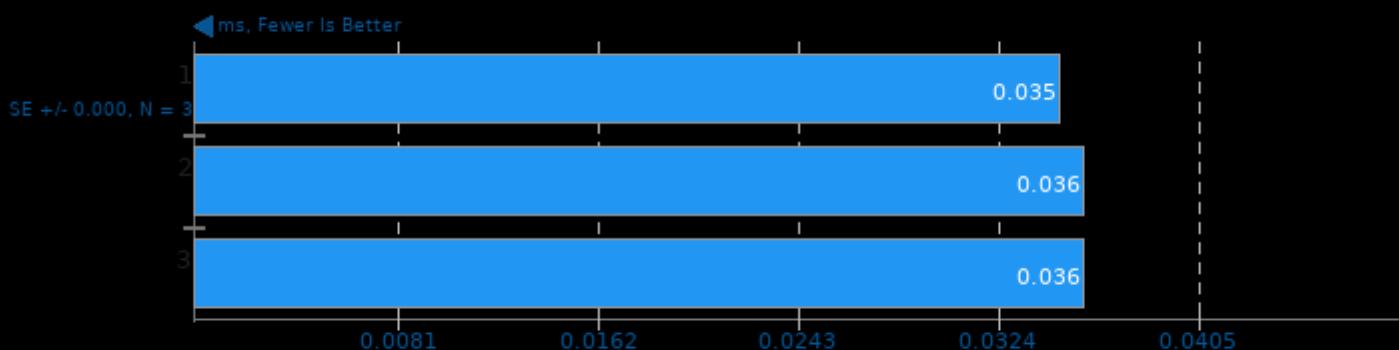
Scaling Factor: 100 - Clients: 1 - Mode: Read Only



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

PostgreSQL pgbench 14.0

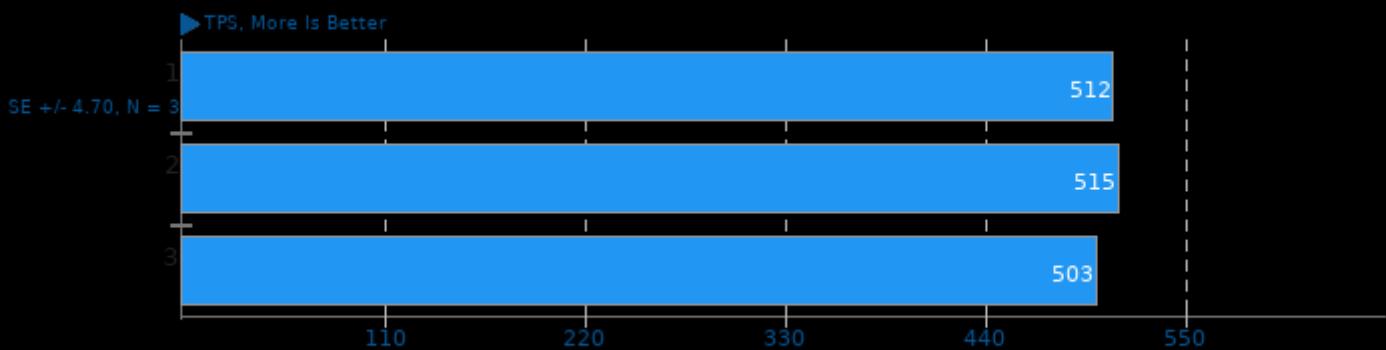
Scaling Factor: 100 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

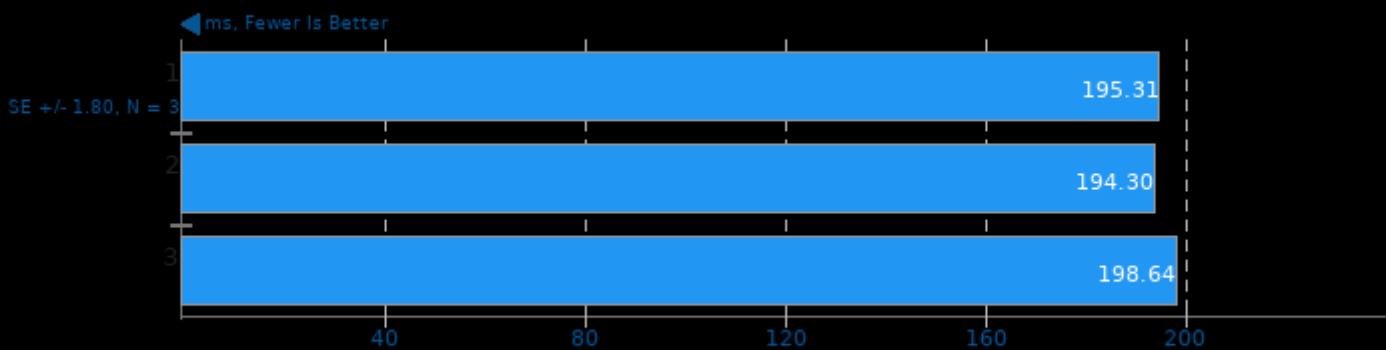
Scaling Factor: 1 - Clients: 100 - Mode: Read Write



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

PostgreSQL pgbench 14.0

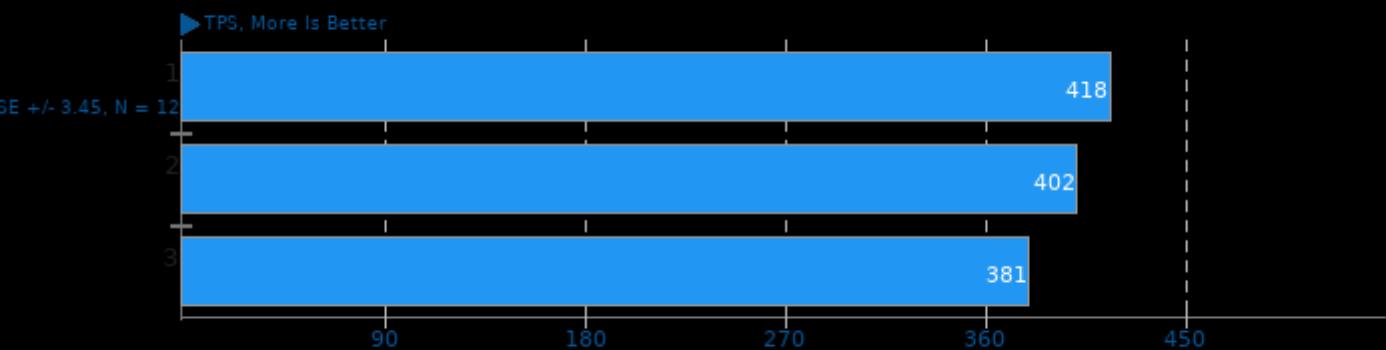
Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

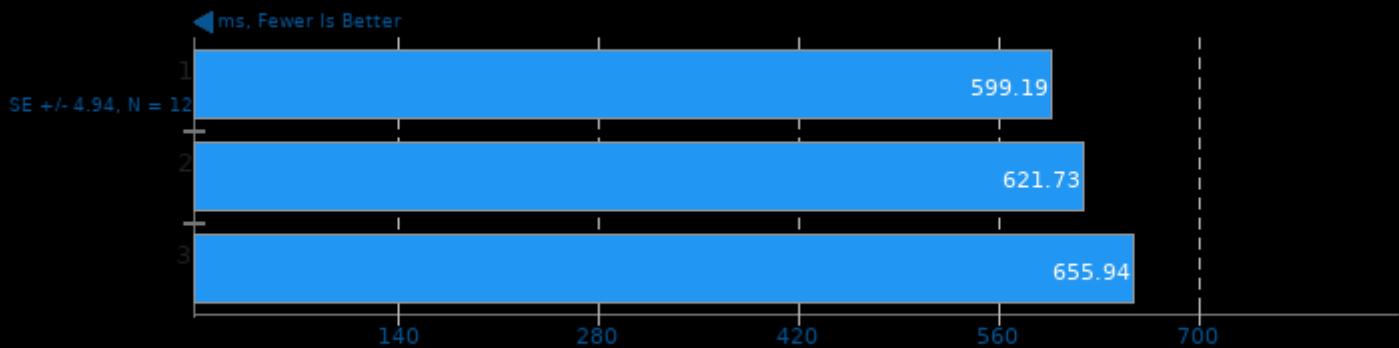
Scaling Factor: 1 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 14.0

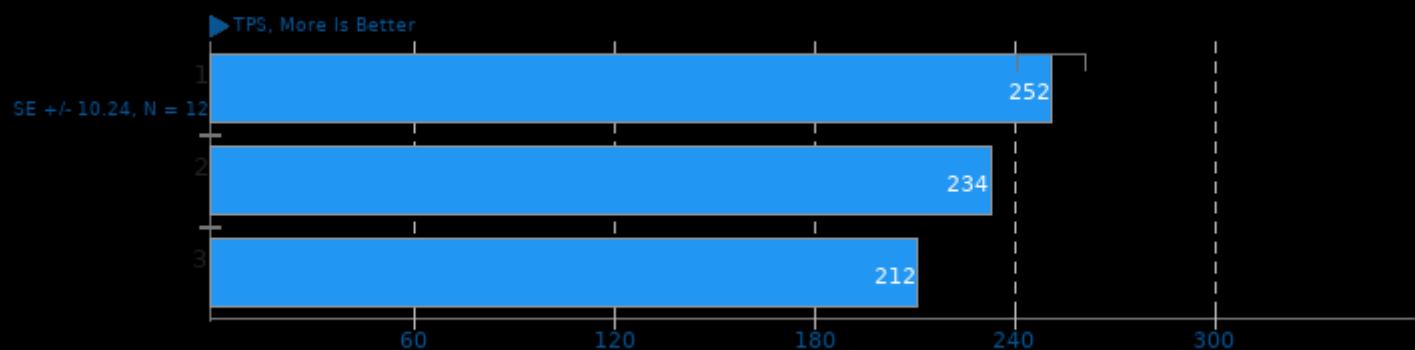
Scaling Factor: 1 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

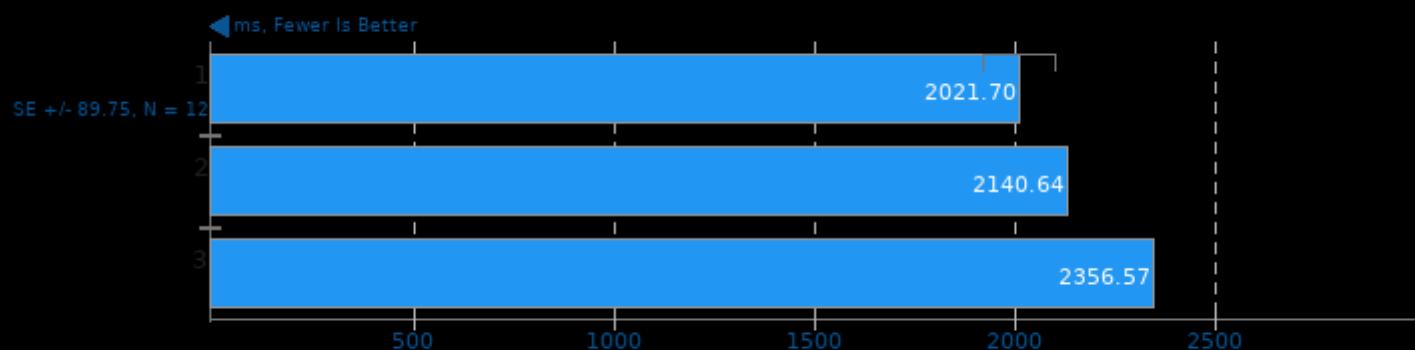
Scaling Factor: 1 - Clients: 500 - Mode: Read Write



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

PostgreSQL pgbench 14.0

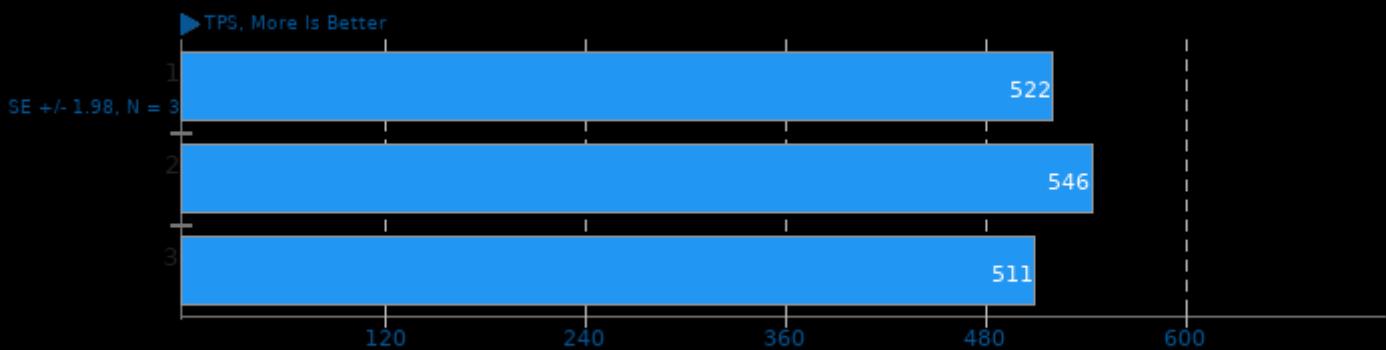
Scaling Factor: 1 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

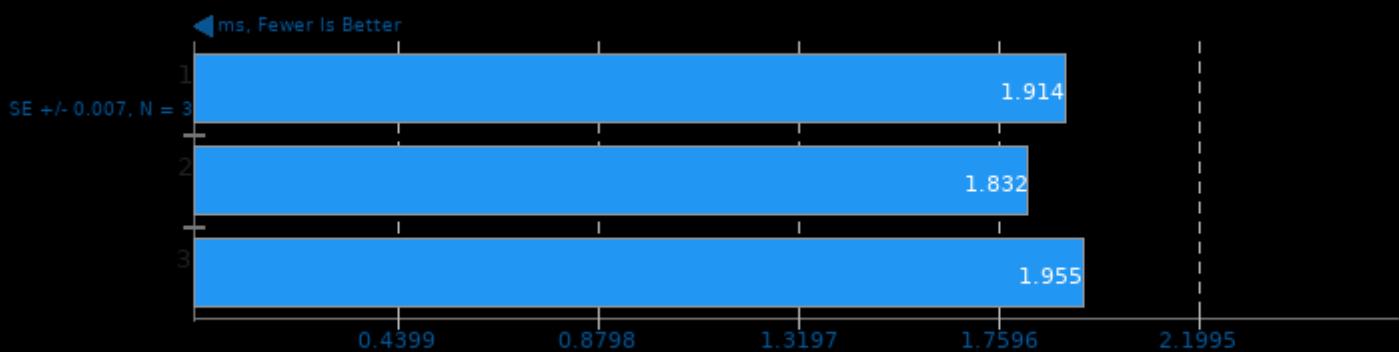
Scaling Factor: 100 - Clients: 1 - Mode: Read Write



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

PostgreSQL pgbench 14.0

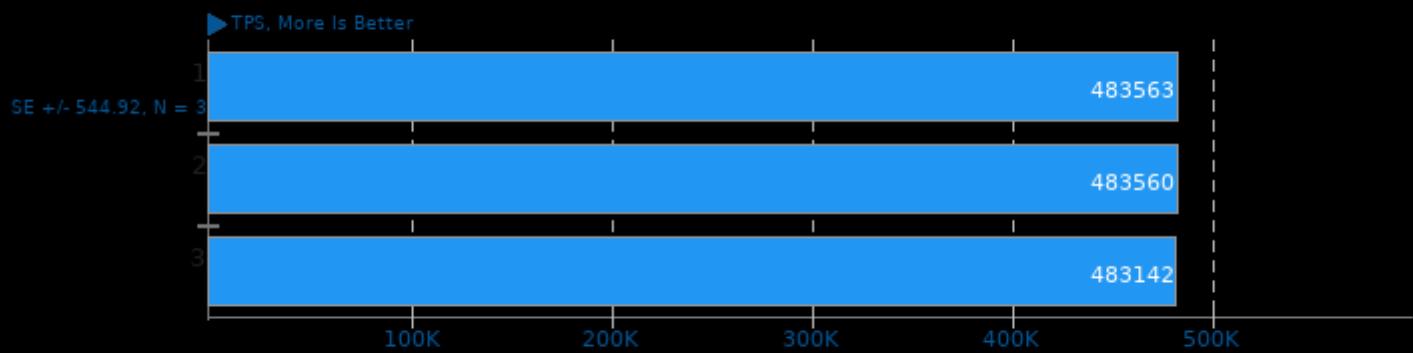
Scaling Factor: 100 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

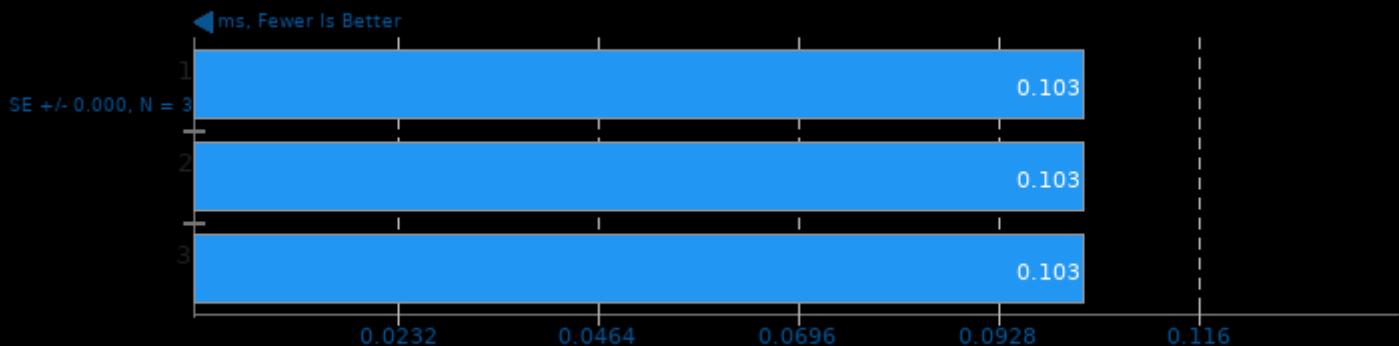
Scaling Factor: 100 - Clients: 50 - Mode: Read Only



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

PostgreSQL pgbench 14.0

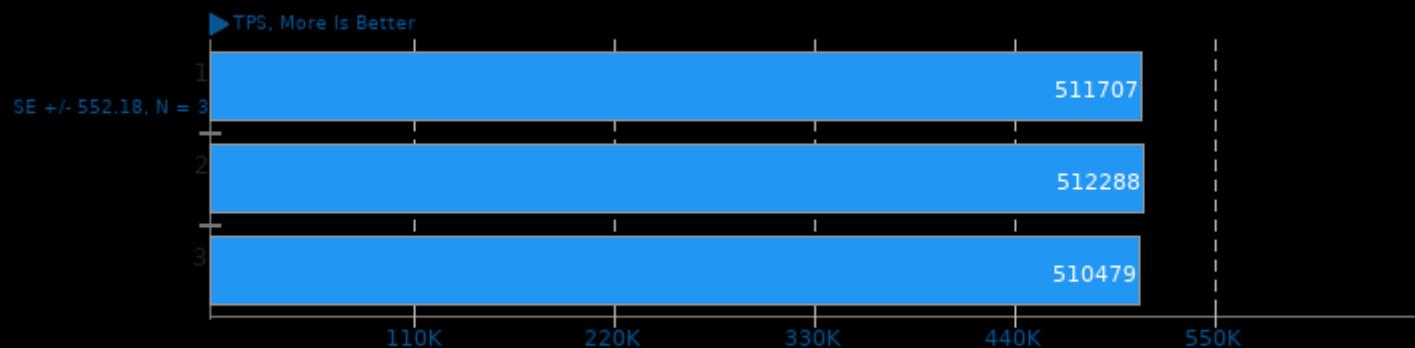
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

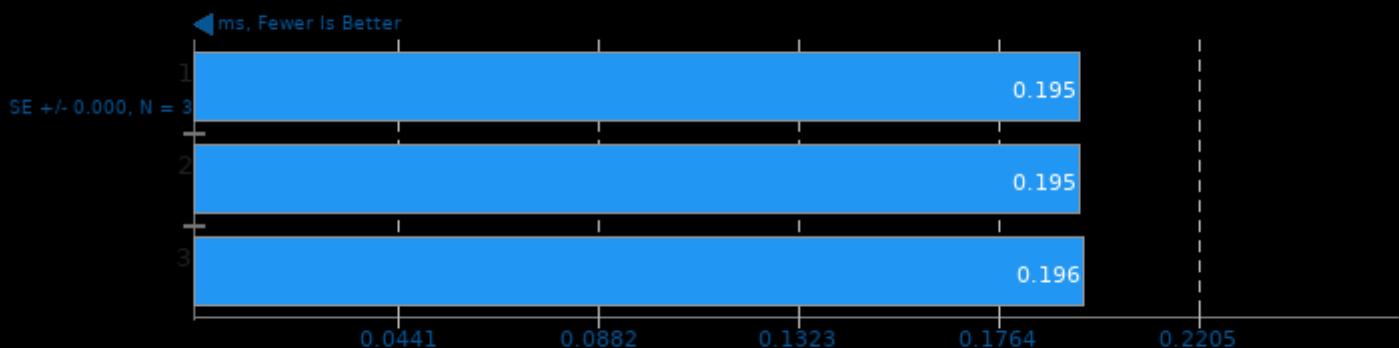
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



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

PostgreSQL pgbench 14.0

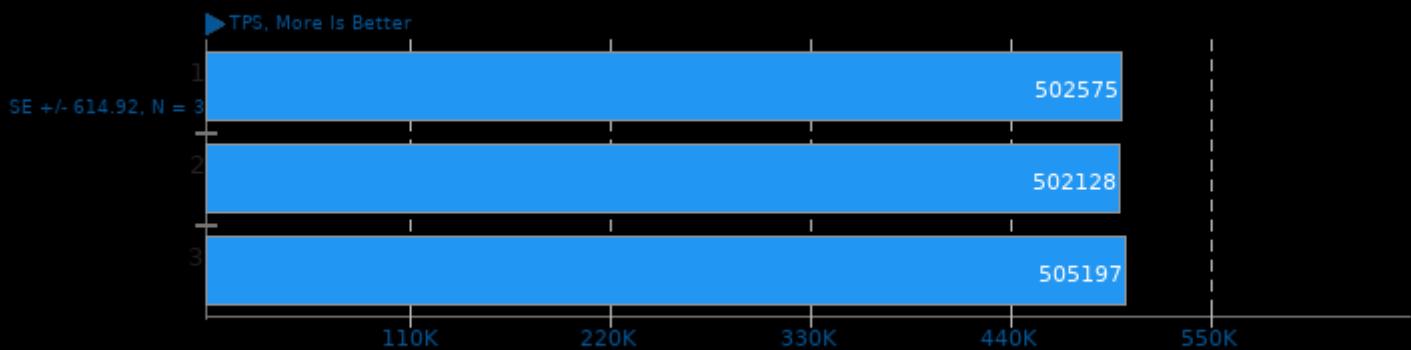
Scaling Factor: 100 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

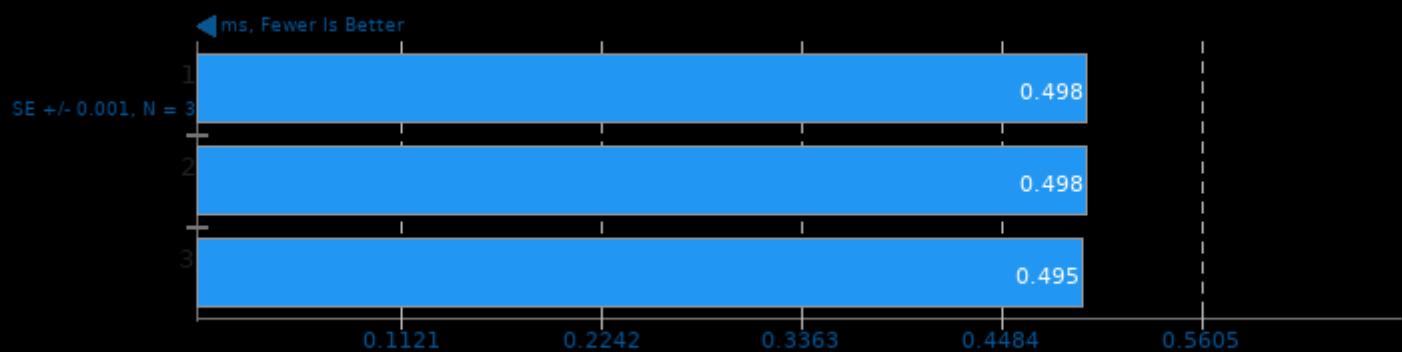
Scaling Factor: 100 - Clients: 250 - Mode: Read Only



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

PostgreSQL pgbench 14.0

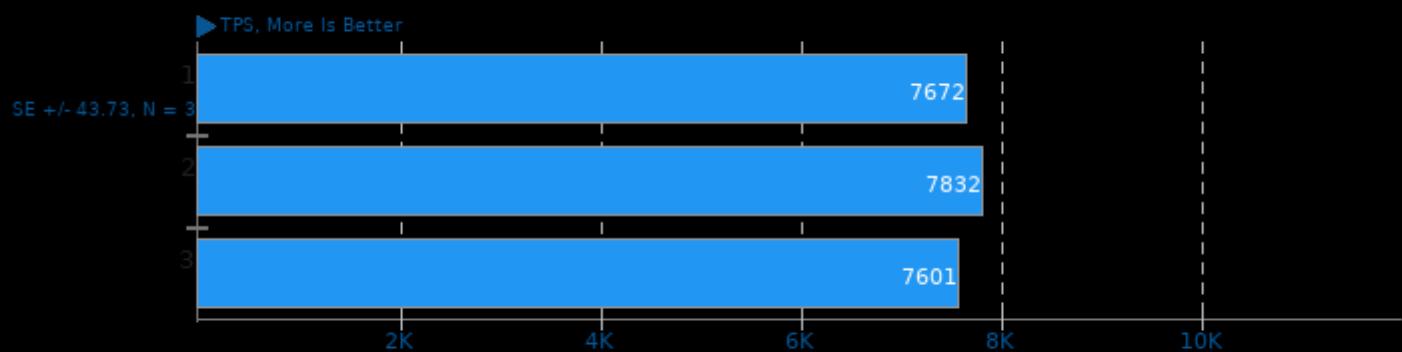
Scaling Factor: 100 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

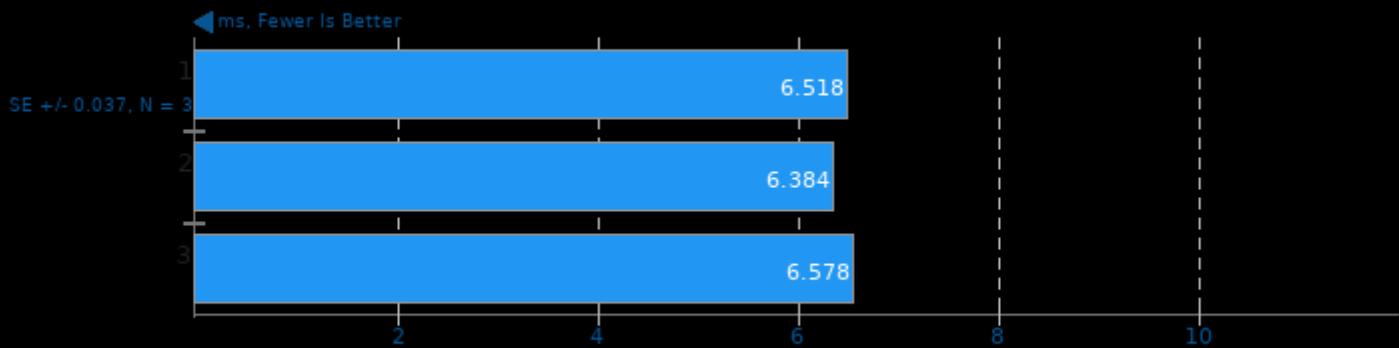
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



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

PostgreSQL pgbench 14.0

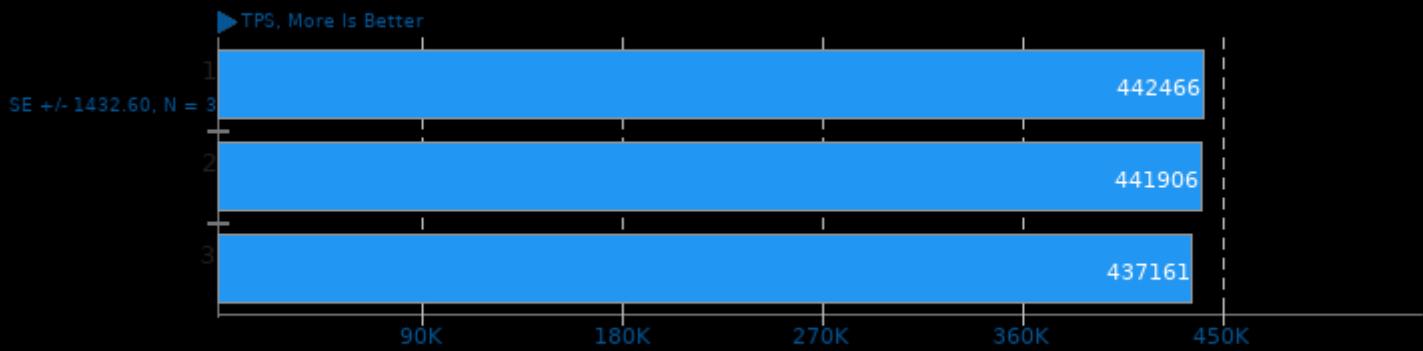
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

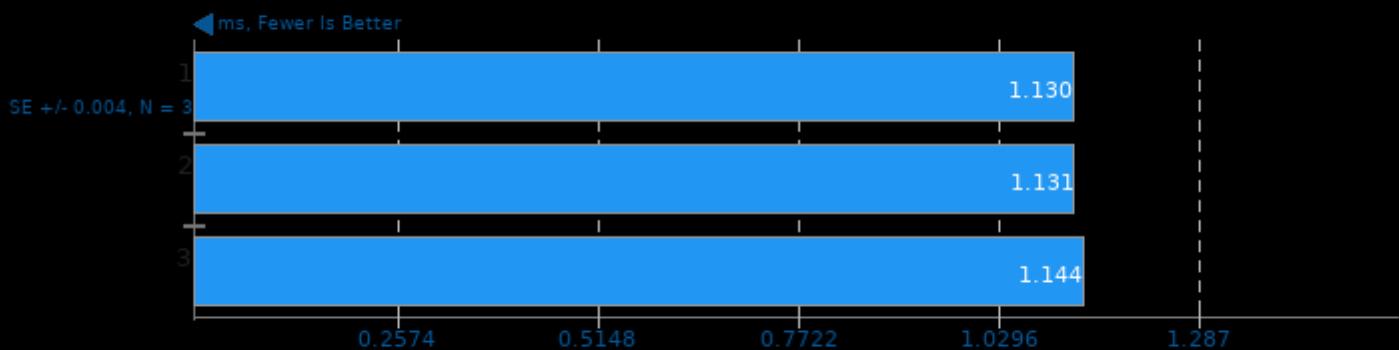
Scaling Factor: 100 - Clients: 500 - Mode: Read Only



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

PostgreSQL pgbench 14.0

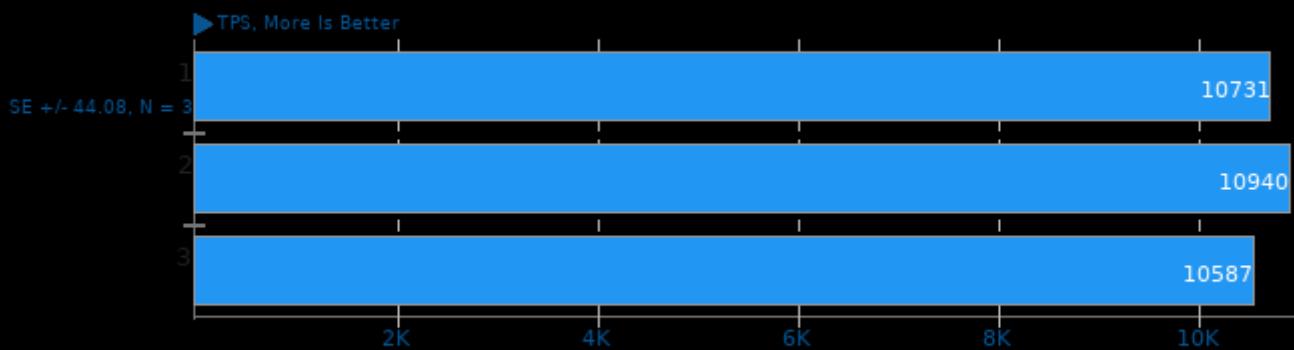
Scaling Factor: 100 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

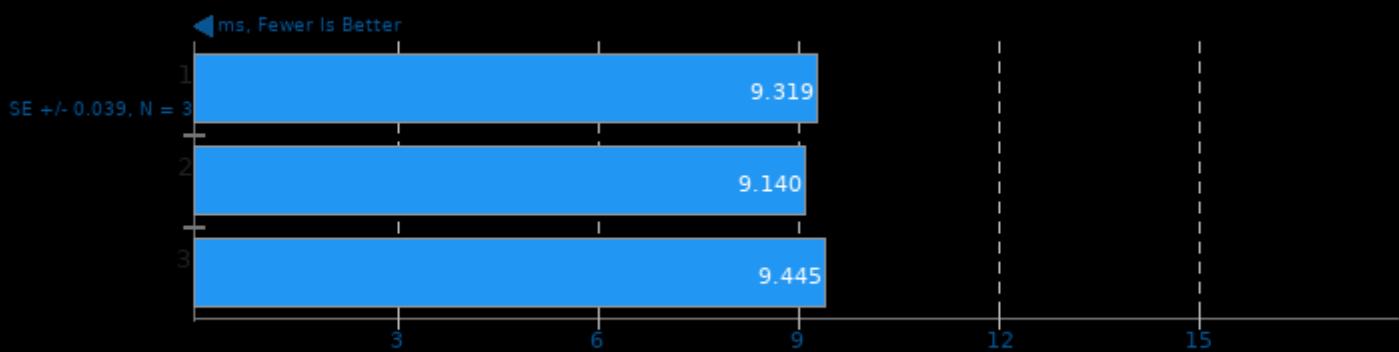
Scaling Factor: 100 - Clients: 100 - Mode: Read Write



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

PostgreSQL pgbench 14.0

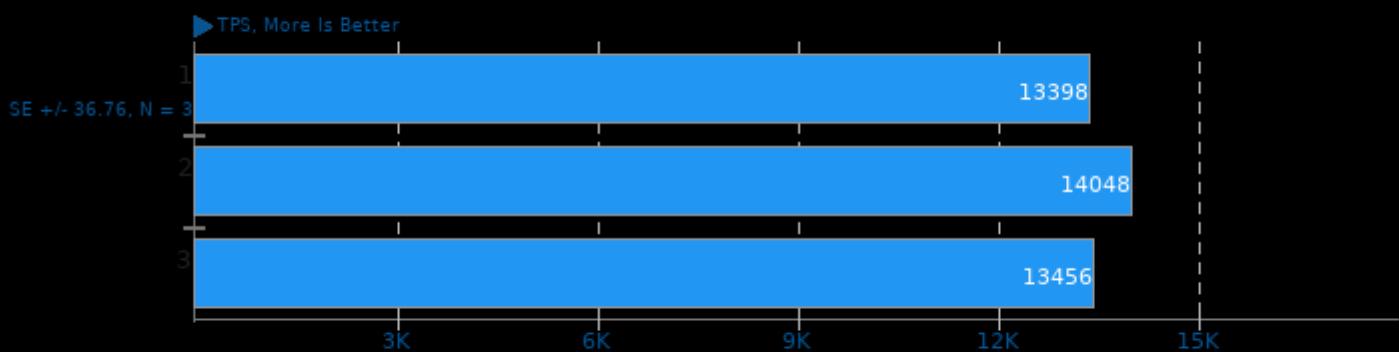
Scaling Factor: 100 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

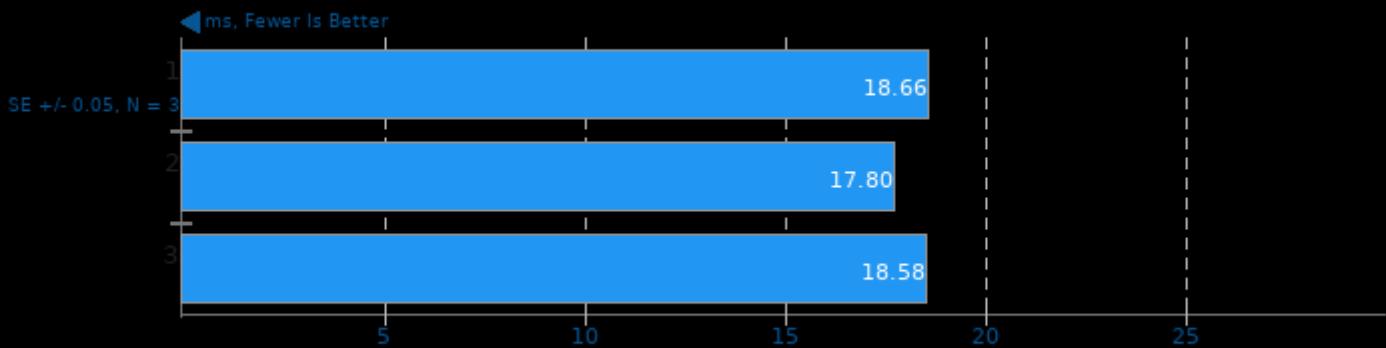
Scaling Factor: 100 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 14.0

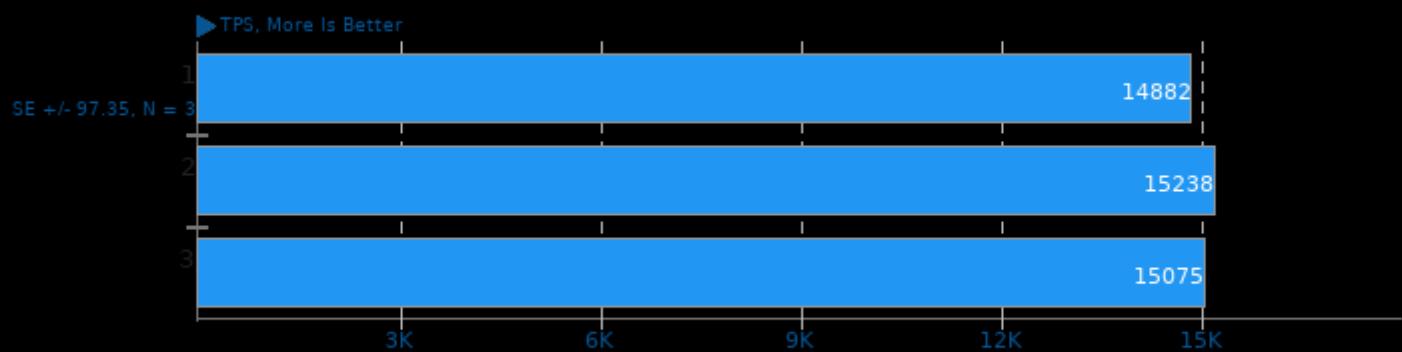
Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

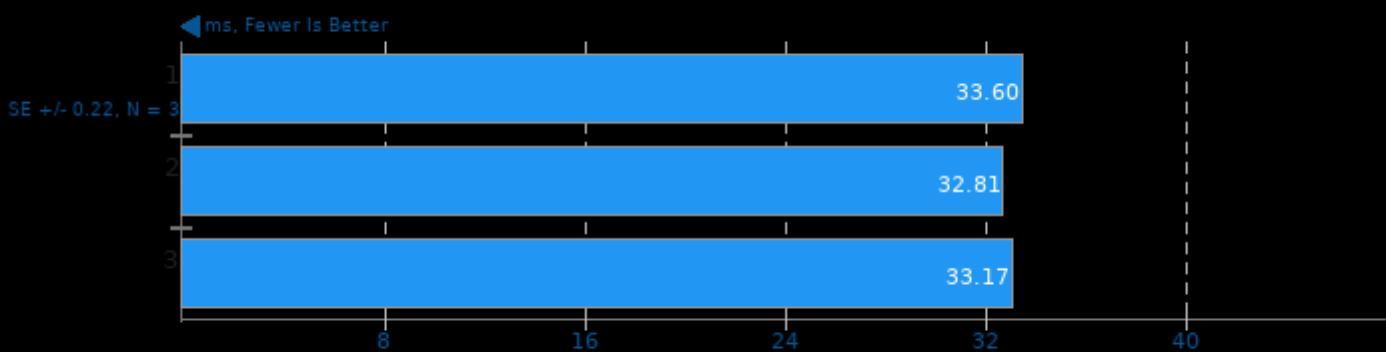
Scaling Factor: 100 - Clients: 500 - Mode: Read Write



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

PostgreSQL pgbench 14.0

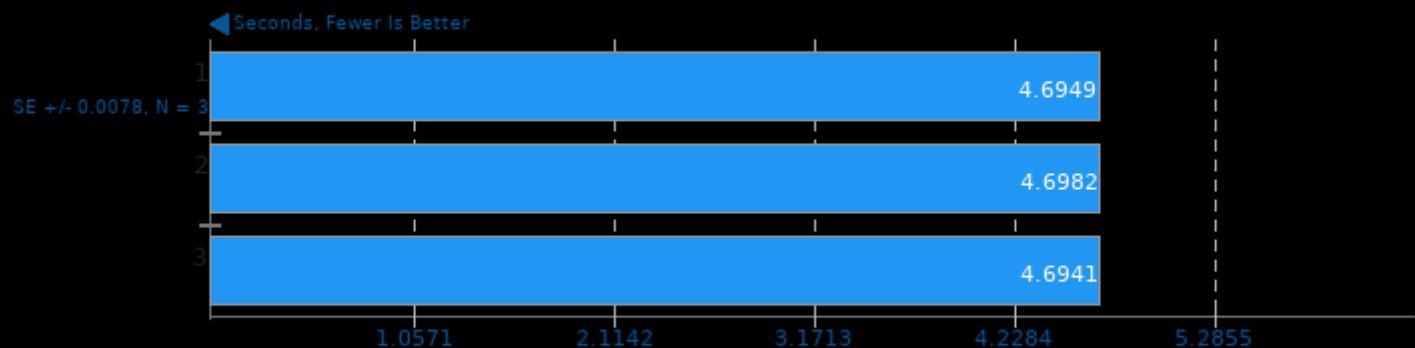
Scaling Factor: 100 - Clients: 500 - Mode: Read Write - Average Latency



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

ASTC Encoder 3.2

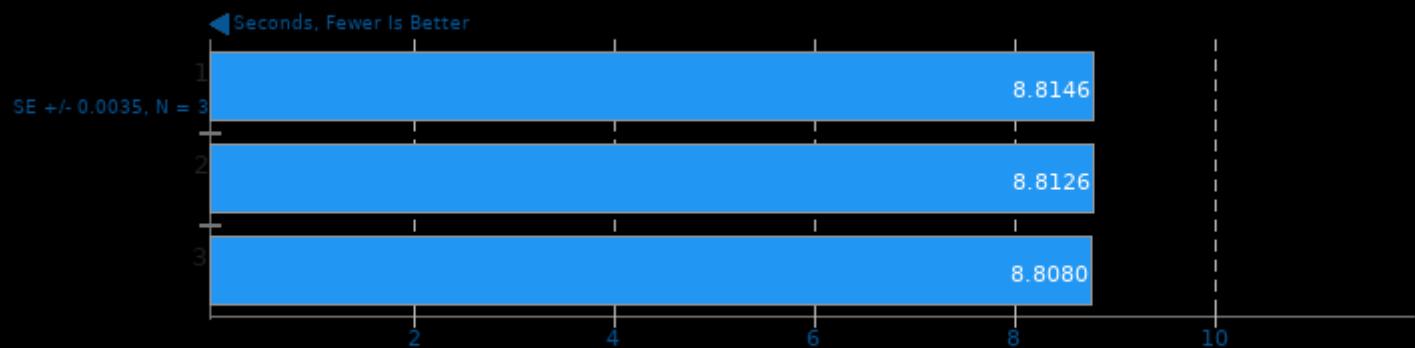
Preset: Medium



1. (CXX) g++ options: -O3 -fno -pthread

ASTC Encoder 3.2

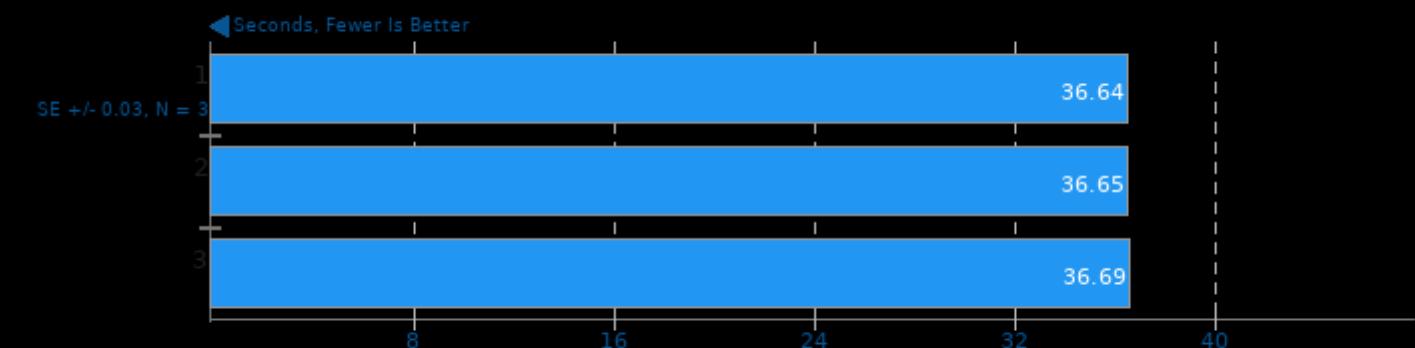
Preset: Thorough



1. (CXX) g++ options: -O3 -fno -pthread

ASTC Encoder 3.2

Preset: Exhaustive

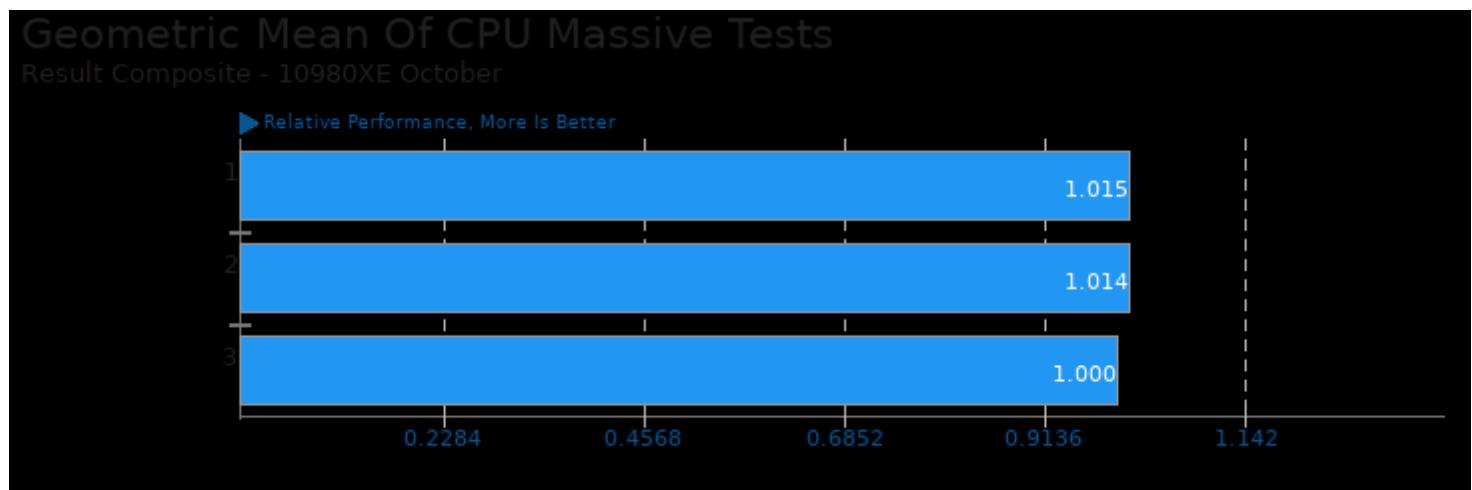


1. (CXX) g++ options: -O3 -fno -pthread

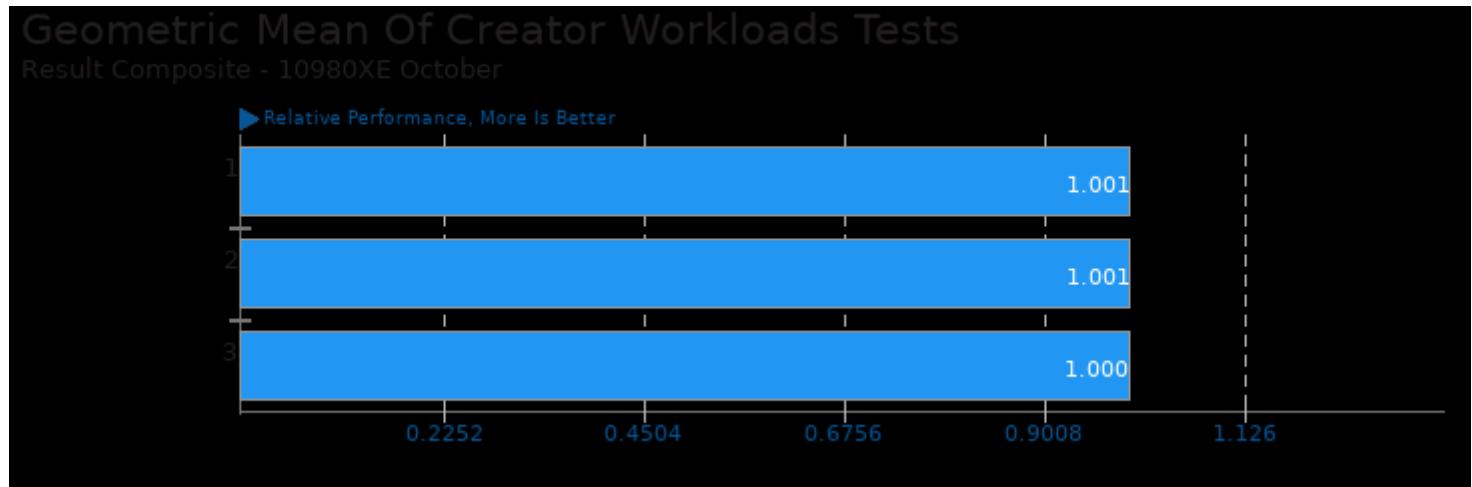
These geometric means are based upon test groupings / test suites for this result file.



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



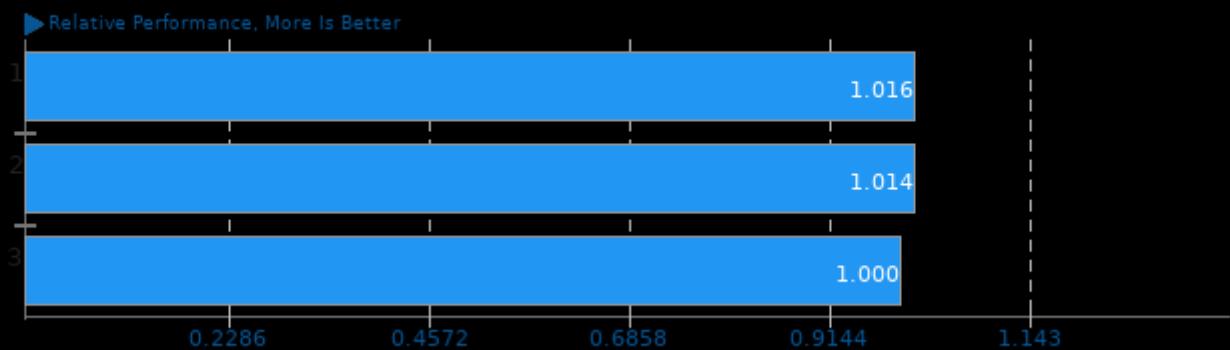
Geometric mean based upon tests: pts/build-llvm, pts/encode-flac, pts/pgbench and pts/cpuminer-opt



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

Geometric Mean Of Multi-Core Tests

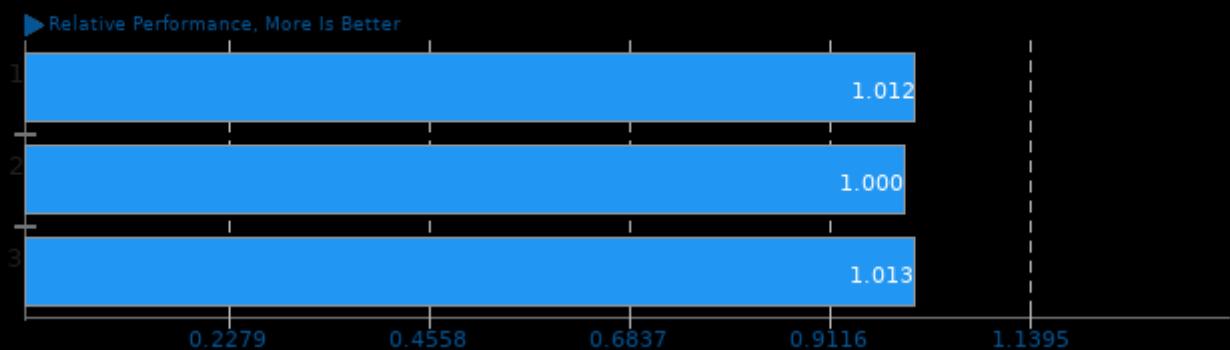
Result Composite - 10980XE October



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

Geometric Mean Of Server CPU Tests

Result Composite - 10980XE October



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 Thursday, 28 March 2024 05:01.