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10900K Linux 5.11

Intel Core i9-10900K testing with a Gigabyte Z490 AORUS MASTER (F3 BIOS) and Gigabyte AMD Radeon RX 5500/5500M / Pro 5500M 8GB on Ubuntu 20.10 via the Phoronix Test Suite.

Automated Executive Summary

5 Jan had the most wins, coming in first place for 68% of the tests.

Based on the geometric mean of all complete results, the fastest (5 Jan) was 1.012x the speed of the slowest (6 Jan).

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

Hackbench (Count: 4 - Type: Thread) at 1.057x

PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 250 - Mode: Read Write) at 1.052x

PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 250 - Mode: Read Write - Average Latency) at 1.052x

Apache Siege (Concurrent Users: 10) at 1.047x

PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 50 - Mode: Read Write) at 1.026x

PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 50 - Mode: Read Write - Average Latency) at 1.026x

KeyDB at 1.026x

PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 50 - Mode: Read Only) at 1.018x

PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 50 - Mode: Read Only - Average Latency) at 1.017x

Redis (Test: GET) at 1.016x.

Test Systems:

5 Jan

Processor: Intel Core i9-10900K @ 5.30GHz (10 Cores / 20 Threads), Motherboard: Gigabyte Z490 AORUS MASTER (F3 BIOS), Chipset: Intel Comet Lake PCH, Memory: 16GB, Disk: Samsung SSD 970 EVO 250GB, Graphics: Gigabyte AMD Radeon RX 5500/5500M / Pro 5500M 8GB (1900/875MHz), Audio: Realtek ALC1220, Monitor: ASUS MG28U, Network: Intel + Intel Wi-Fi 6 AX201

OS: Ubuntu 20.10, Kernel: 5.11.0-051100rc2daily20210105-generic (x86_64) 20210104, Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9, Display Driver: modesetting 1.20.9, OpenGL: 4.6 Mesa 20.2.1 (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 3840x2160

```
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto
--enable-offload-targets=nvptx-none=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-gcn/us
r,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-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_pstate powersave - CPU Microcode: 0xe0 - Thermald 2.3

Python Notes: Python 3.8.6

Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + 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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IPB: conditional RSB filling + srbs: Not affected + tsx_async_abort: Not affected

6 Jan

Processor: Intel Core i9-10900K @ 5.30GHz (10 Cores / 20 Threads), Motherboard: Gigabyte Z490 AORUS MASTER (F3 BIOS), Chipset: Intel Comet Lake PCH, Memory: 16GB, Disk: Samsung SSD 970 EVO 250GB, Graphics: Gigabyte AMD Radeon RX 5500/5500M / Pro 5500M 8GB (1900/875MHz), Audio: Realtek ALC1220, Monitor: ASUS MG28U, Network: Intel + Intel Wi-Fi 6 AX201

OS: Ubuntu 20.10, Kernel: 5.11.0-051100rc2daily20210106-generic (x86_64) 20210105, Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9, Display Driver: modesetting 1.20.9, OpenGL: 4.6 Mesa 20.2.1 (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 3840x2160

```
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto
--enable-offload-targets=nvptx-none=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-gcn/us
r,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-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_pstate powersave - CPU Microcode: 0xe0 - Thermald 2.3

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	5 Jan	6 Jan
Apache Siege - 1 (Transactions/sec)	11106	11085
Normalized	100%	99.81%
Standard Deviation	5.3%	3.8%

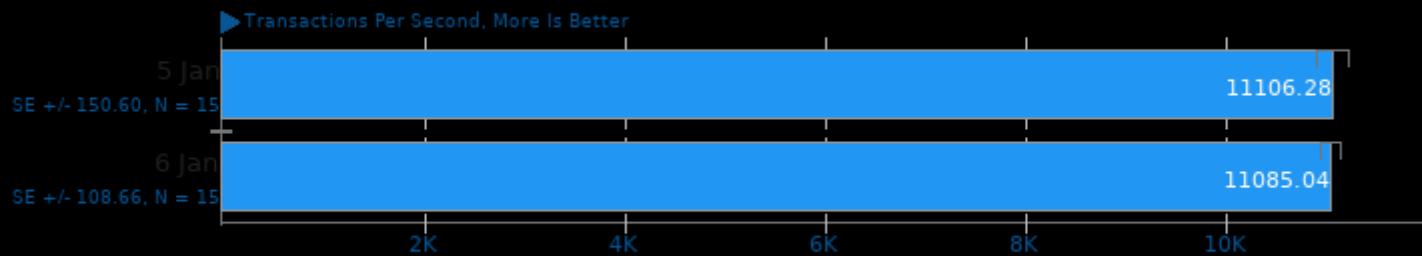
Apache Siege - 10 (Transactions/sec)	29209	30594
Normalized	95.47%	100%
Standard Deviation	3%	2.5%
Apache Siege - 50 (Transactions/sec)	67668	70540
Normalized	95.93%	100%
Standard Deviation	16%	6.1%
Apache Siege - 100 (Transactions/sec)	94617	80232
Normalized	100%	84.8%
Standard Deviation	3.1%	14.6%
Apache Siege - 200 (Transactions/sec)	105804	106079
Normalized	99.74%	100%
Standard Deviation	5.5%	3.2%
Apache Siege - 250 (Transactions/sec)	100723	101458
Normalized	99.28%	100%
Standard Deviation	2.4%	2.3%
Apache Siege - 500 (Transactions/sec)	100551	100413
Normalized	100%	99.86%
Standard Deviation	2.4%	3%
Hackbench - 1 - Thread (sec)	2.752	2.743
Normalized	99.67%	100%
Standard Deviation	0.2%	0.4%
Hackbench - 2 - Thread (sec)	4.731	4.762
Normalized	100%	99.35%
Standard Deviation	0.1%	0.5%
Hackbench - 4 - Thread (sec)	8.317	8.789
Normalized	100%	94.63%
Standard Deviation	0.3%	4.5%
Hackbench - 8 - Thread (sec)	15.839	15.590
Normalized	98.43%	100%
Standard Deviation	3.5%	0.1%
Hackbench - 1 - Process (sec)	2.588	2.580
Normalized	99.69%	100%
Standard Deviation	0.6%	0.6%
Hackbench - 16 - Thread (sec)	30.928	31.056
Normalized	100%	99.59%
Standard Deviation	0.2%	0.6%
Hackbench - 2 - Process (sec)	4.496	4.485
Normalized	99.76%	100%
Standard Deviation	0%	0.6%
Hackbench - 4 - Process (sec)	7.717	7.743
Normalized	100%	99.66%
Standard Deviation	0.1%	0.2%
Hackbench - 8 - Process (sec)	14.831	14.914
Normalized	100%	99.44%
Standard Deviation	0.2%	0.1%
Hackbench - 16 - Process (sec)	29.953	30.041
Normalized	100%	99.71%
Standard Deviation	0.1%	0.2%
Hackbench - 32 - Process (sec)	61.054	61.344
Normalized	100%	99.53%
Standard Deviation	0.4%	0.7%
InfluxDB - 4 - 10000 - 2,5000,1 - 10000 (val/sec)	1774810	1774977
Normalized	99.99%	100%
Standard Deviation	0.3%	0.3%
InfluxDB - 64 - 10000 - 2,5000,1 - 10000 (val/sec)	1866312	1864598

	Normalized	100%	99.91%
	Standard Deviation	0.2%	0.5%
InfluxDB - 1024 - 10000 - 2,5000,1 - 10000 (val/sec)	1865119	1871141	
	Normalized	99.68%	100%
	Standard Deviation	0.3%	0.5%
KeyDB (Ops/sec)	856758	834885	
	Normalized	100%	97.45%
	Standard Deviation	1.9%	0.4%
PostgreSQL pgbench - 100 - 50 - Read Only (TPS)	311806	312458	
	Normalized	99.79%	100%
	Standard Deviation	0.1%	0.1%
PostgreSQL pgbench - 100 - 50 - Read Only - Average	0.160	0.16	
	Latency (ms)		
	Standard Deviation	0.4%	0%
PostgreSQL pgbench - 100 - 100 - Read Only (TPS)	314928	314535	
	Normalized	100%	99.88%
	Standard Deviation	0.4%	0.1%
PostgreSQL pgbench - 100 - 100 - Read Only -	0.318	0.318	
	Average Latency (ms)		
	Standard Deviation	0.3%	0.2%
PostgreSQL pgbench - 100 - 250 - Read Only (TPS)	278377	278782	
	Normalized	99.85%	100%
	Standard Deviation	0.4%	0.7%
PostgreSQL pgbench - 100 - 250 - Read Only -	0.898	0.897	
	Average Latency (ms)		
	Normalized	99.89%	100%
	Standard Deviation	0.3%	0.7%
PostgreSQL pgbench - 100 - 50 - Read Write (TPS)	8462	7577	
	Normalized	100%	89.54%
	Standard Deviation	1.9%	7.8%
PostgreSQL pgbench - 100 - 50 - Read Write - Average	5.911	6.639	
	Latency (ms)		
	Normalized	100%	89.03%
	Standard Deviation	1.9%	8.1%
PostgreSQL pgbench - 1000 - 50 - Read Only (TPS)	273745	278805	
	Normalized	98.19%	100%
	Standard Deviation	5.1%	4.8%
PostgreSQL pgbench - 1000 - 50 - Read Only -	0.183	0.180	
	Average Latency (ms)		
	Normalized	98.36%	100%
	Standard Deviation	5.6%	5.3%
PostgreSQL pgbench - 100 - 100 - Read Write (TPS)	9384	9226	
	Normalized	100%	98.32%
	Standard Deviation	2.6%	6.3%
PostgreSQL pgbench - 100 - 100 - Read Write -	10.667	10.887	
	Average Latency (ms)		
	Normalized	100%	97.98%
	Standard Deviation	2.6%	6.3%
PostgreSQL pgbench - 100 - 250 - Read Write (TPS)	9183	9055	
	Normalized	100%	98.61%
	Standard Deviation	3%	2.7%
PostgreSQL pgbench - 100 - 250 - Read Write -	27.256	27.640	
	Average Latency (ms)		
	Normalized	100%	98.61%

	Standard Deviation	3%	2.8%
PostgreSQL pgbench - 1000 - 100 - Read Only (TPS)	279627	279120	
	Normalized	100%	99.82%
	Standard Deviation	0.3%	0.2%
PostgreSQL pgbench - 1000 - 100 - Read Only -	0.358	0.358	
	Average Latency (ms)		
	Standard Deviation	0.3%	0.2%
PostgreSQL pgbench - 1000 - 250 - Read Only (TPS)	232075	230958	
	Normalized	100%	99.52%
	Standard Deviation	0.3%	0.3%
PostgreSQL pgbench - 1000 - 250 - Read Only -	1.078	1.083	
	Average Latency (ms)		
	Normalized	100%	99.54%
	Standard Deviation	0.2%	0.3%
PostgreSQL pgbench - 1000 - 50 - Read Write (TPS)	4465	4350	
	Normalized	100%	97.42%
	Standard Deviation	0.1%	1.5%
PostgreSQL pgbench - 1000 - 50 - Read Write -	11.200	11.496	
	Average Latency (ms)		
	Normalized	100%	97.43%
	Standard Deviation	0.1%	1.5%
PostgreSQL pgbench - 1000 - 100 - Read Write (TPS)	5070	5060	
	Normalized	100%	99.8%
	Standard Deviation	3.6%	1.8%
PostgreSQL pgbench - 1000 - 100 - Read Write -	19.764	19.776	
	Average Latency (ms)		
	Normalized	100%	99.94%
	Standard Deviation	4%	1.8%
PostgreSQL pgbench - 1000 - 250 - Read Write (TPS)	6376	6061	
	Normalized	100%	95.06%
	Standard Deviation	1.5%	0.5%
PostgreSQL pgbench - 1000 - 250 - Read Write -	39.238	41.274	
	Average Latency (ms)		
	Normalized	100%	95.07%
	Standard Deviation	1.5%	0.5%
Redis - GET (Req/sec)	3275663	3223547	
	Normalized	100%	98.41%
	Standard Deviation	0.7%	3.3%
Redis - SET (Req/sec)	2589388	2573474	
	Normalized	100%	99.39%
	Standard Deviation	1.5%	1%
Timed Linux Kernel Compilation - Time To Compile	65.092	65.423	
	Normalized	100%	99.49%
	Standard Deviation	1.6%	1.8%
Timed LLVM Compilation - Time To Compile (sec)	518.229	514.250	
	Normalized	99.23%	100%
	Standard Deviation	1.6%	0.7%

Apache Siege 2.4.29

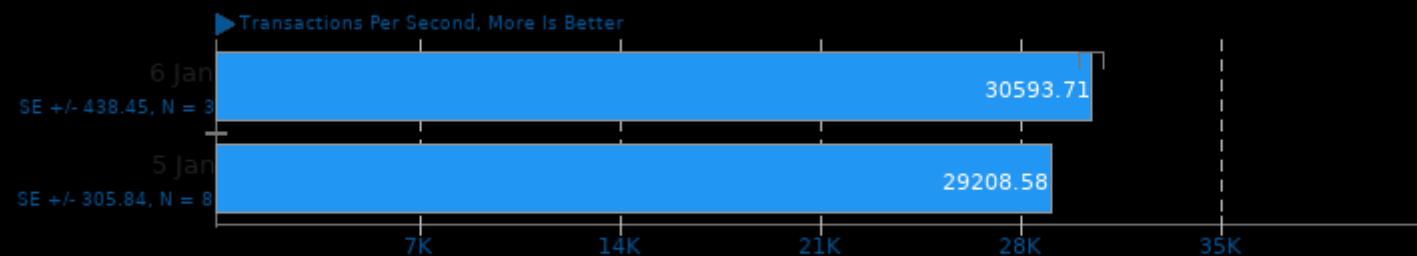
Concurrent Users: 1



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

Apache Siege 2.4.29

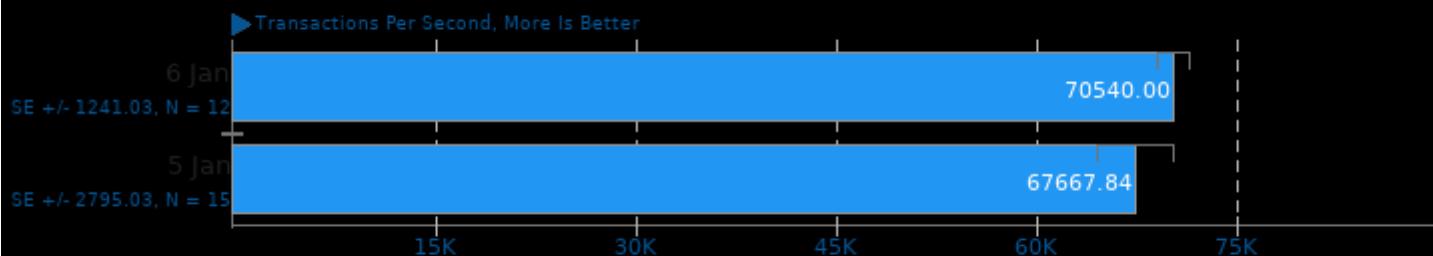
Concurrent Users: 10



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

Apache Siege 2.4.29

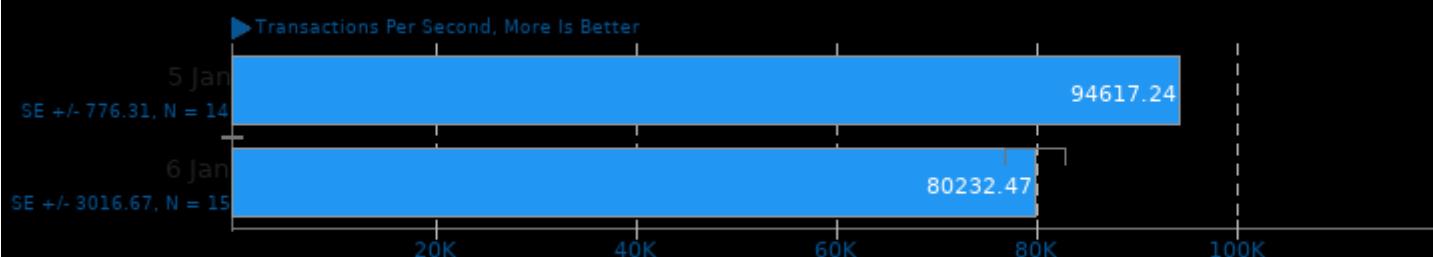
Concurrent Users: 50



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

Apache Siege 2.4.29

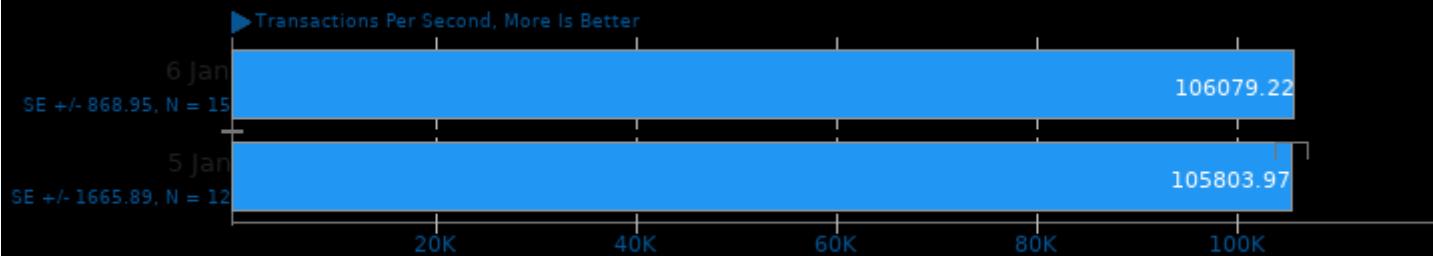
Concurrent Users: 100



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

Apache Siege 2.4.29

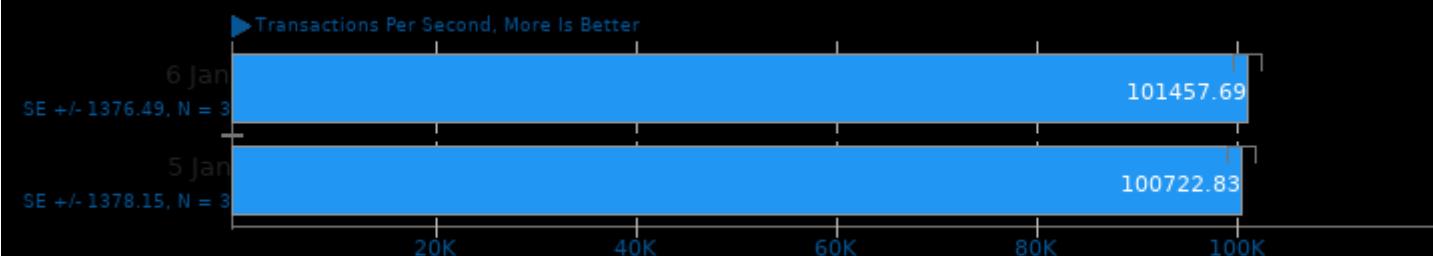
Concurrent Users: 200



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

Apache Siege 2.4.29

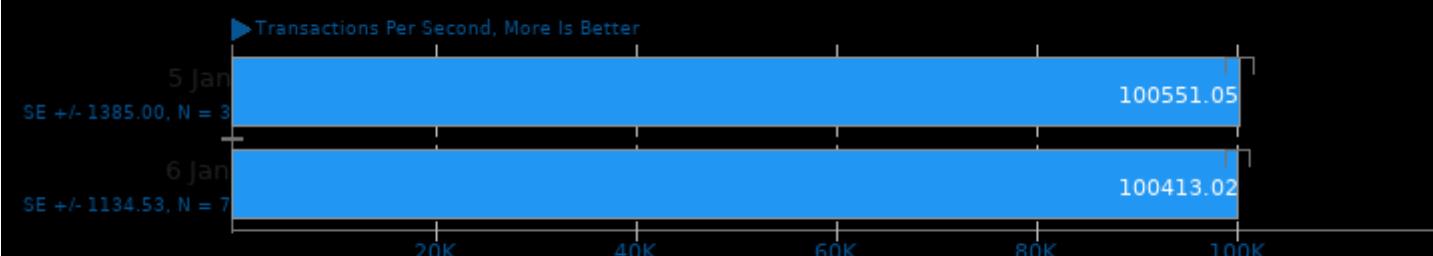
Concurrent Users: 250



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

Apache Siege 2.4.29

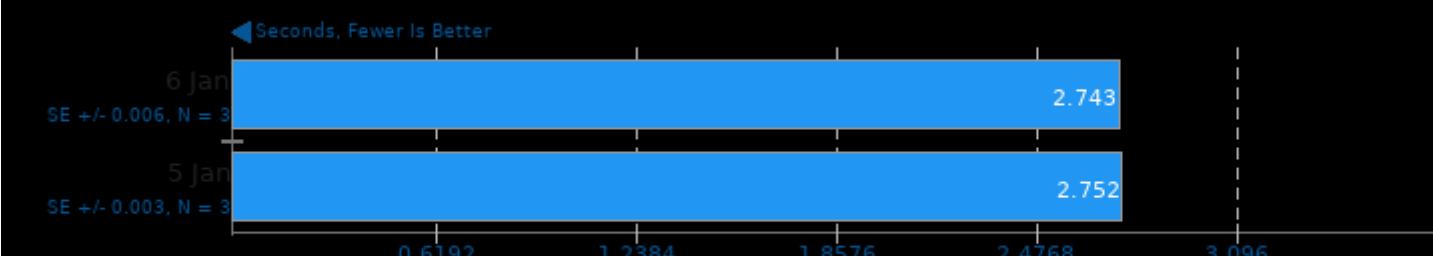
Concurrent Users: 500



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

Hackbench

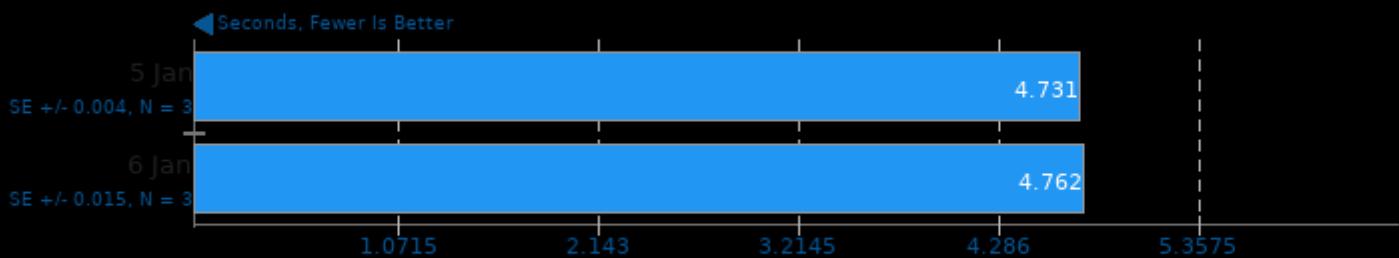
Count: 1 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

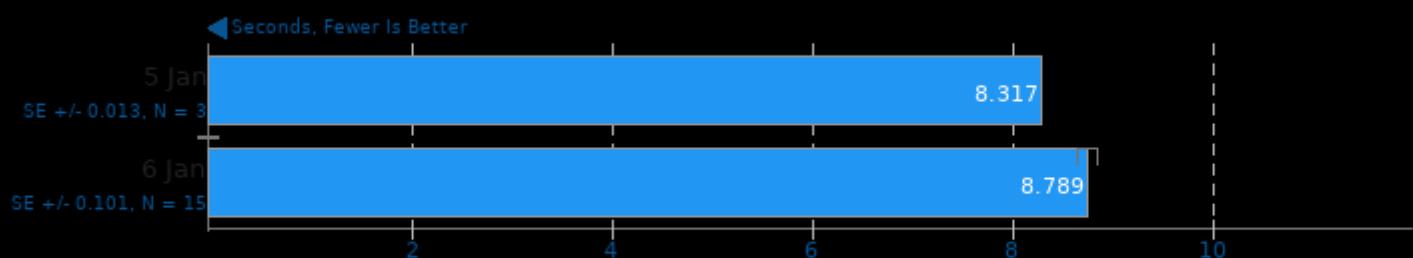
Count: 2 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

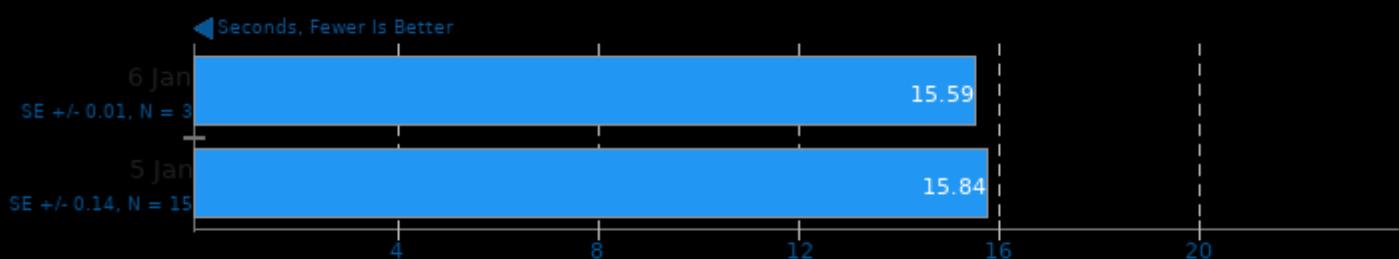
Count: 4 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

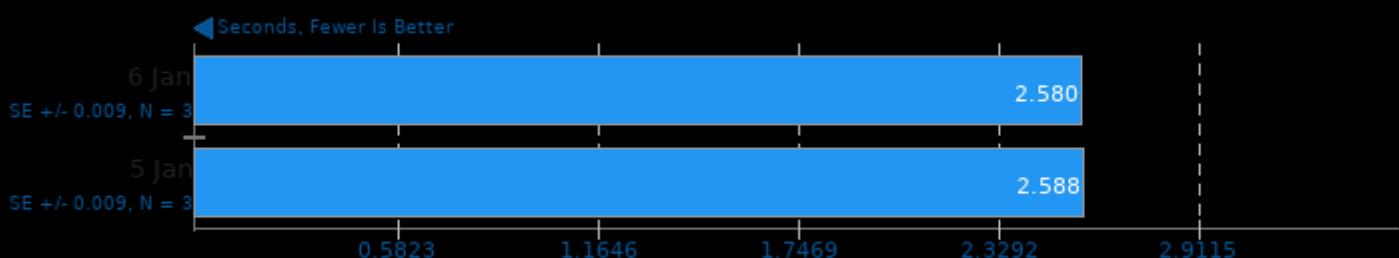
Count: 8 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

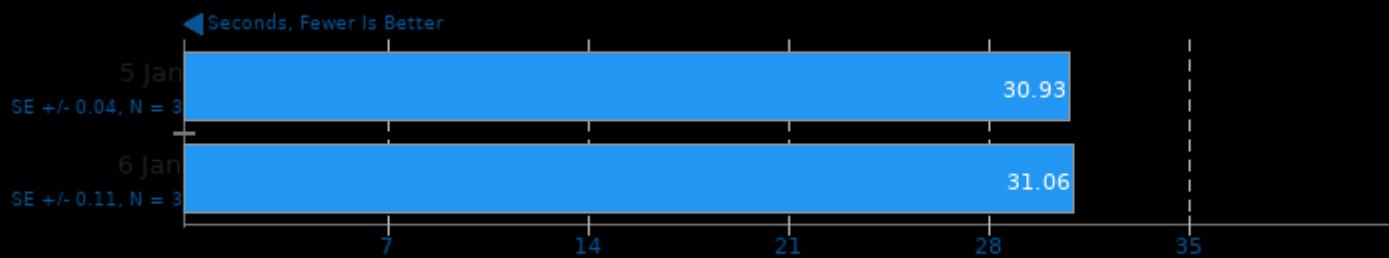
Count: 1 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

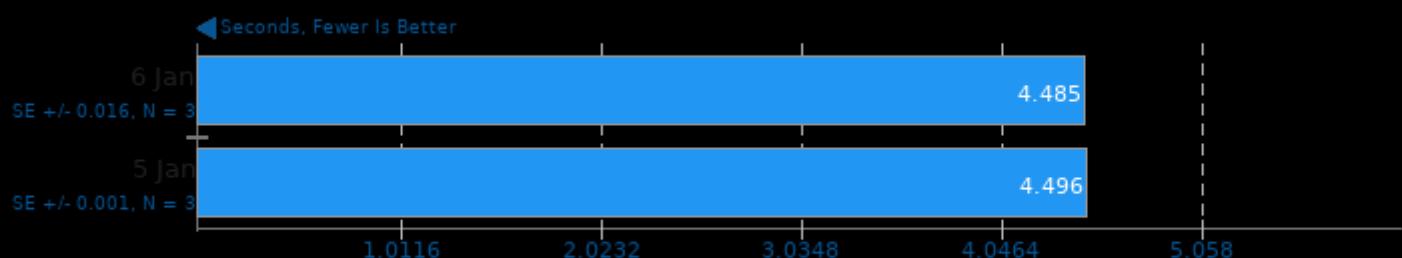
Count: 16 - Type: Thread



1. (CC) gcc options: -lpthread

Hackbench

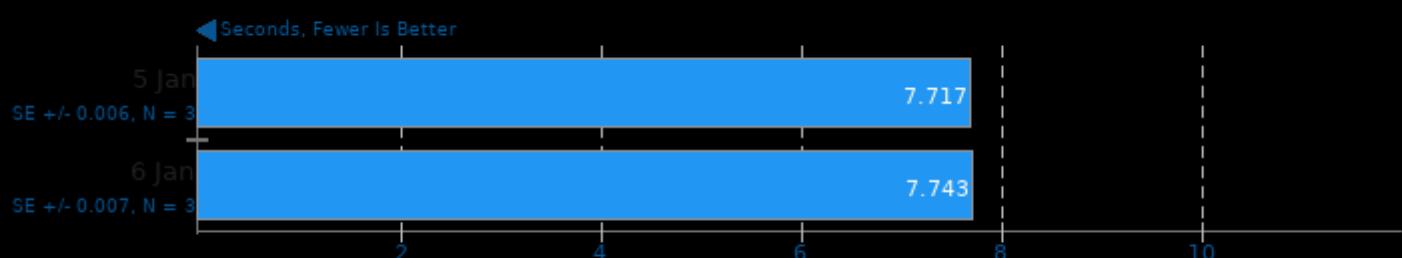
Count: 2 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

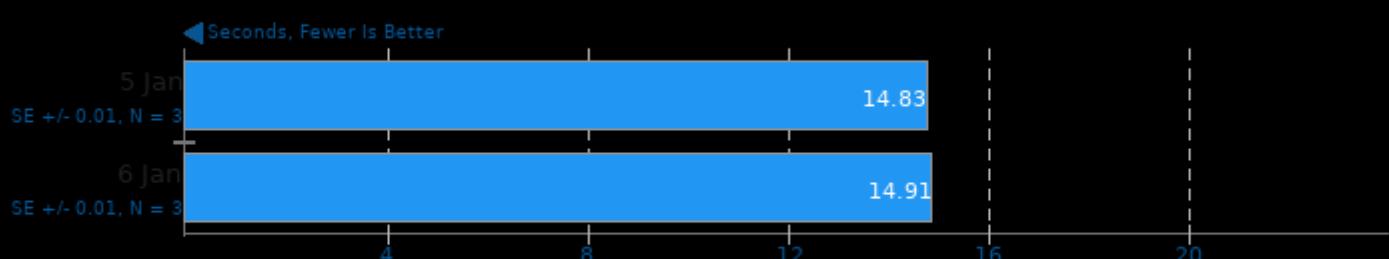
Count: 4 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

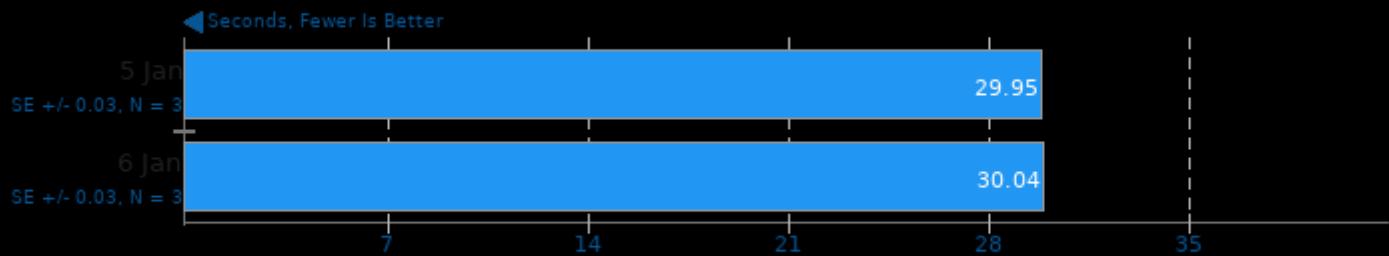
Count: 8 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

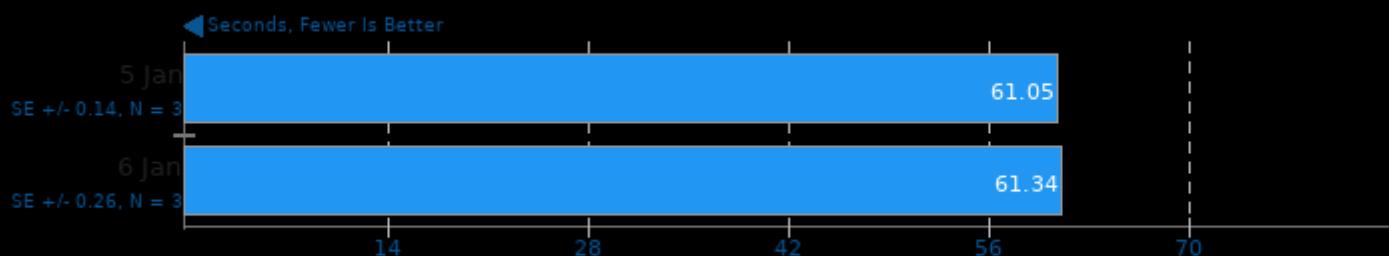
Count: 16 - Type: Process



1. (CC) gcc options: -lpthread

Hackbench

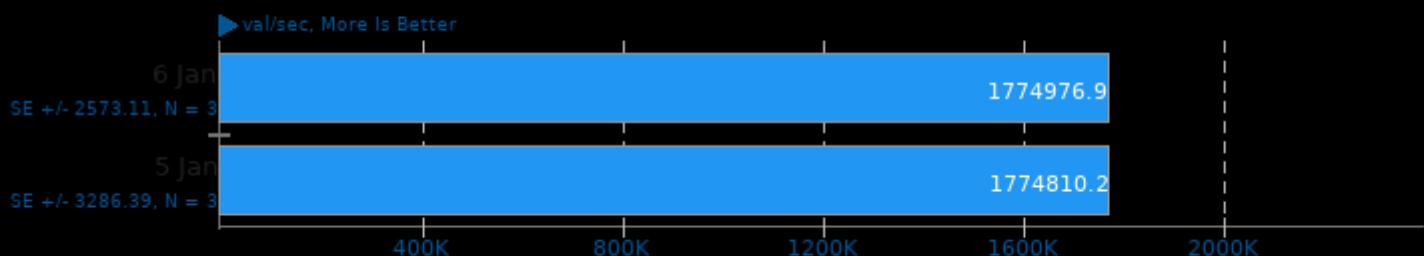
Count: 32 - Type: Process



1. (CC) gcc options: -lpthread

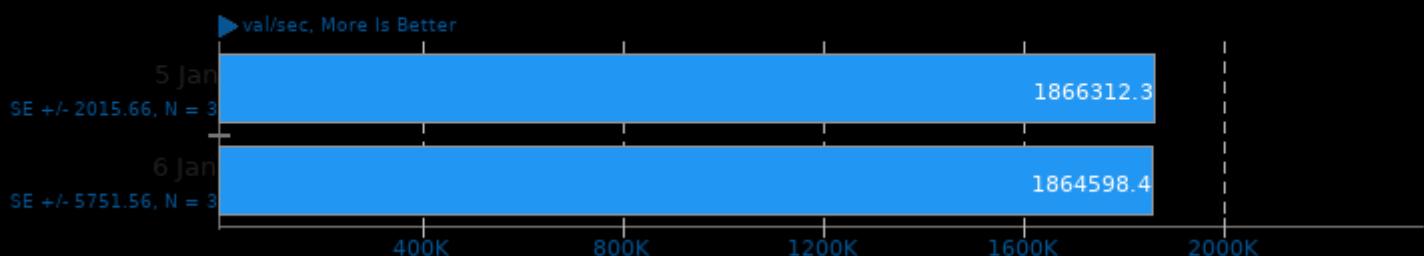
InfluxDB 1.8.2

Concurrent Streams: 4 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000



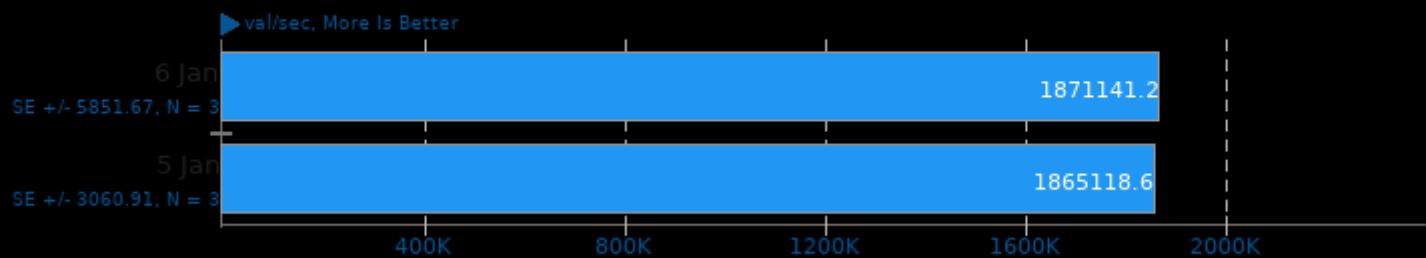
InfluxDB 1.8.2

Concurrent Streams: 64 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000

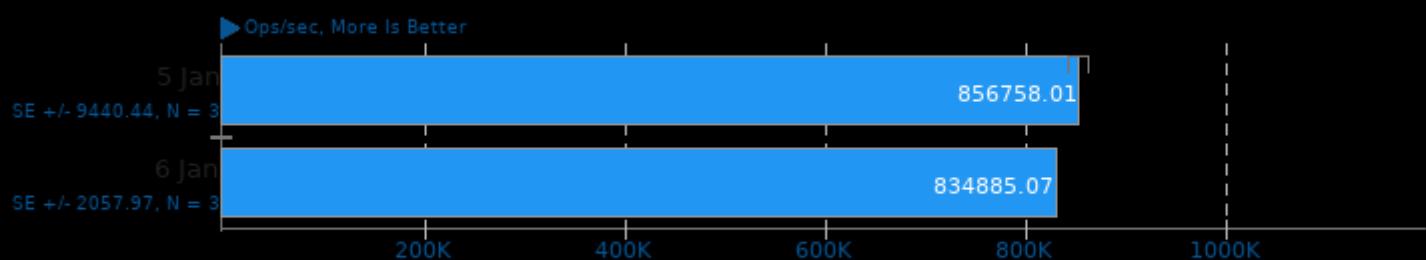


InfluxDB 1.8.2

Concurrent Streams: 1024 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000



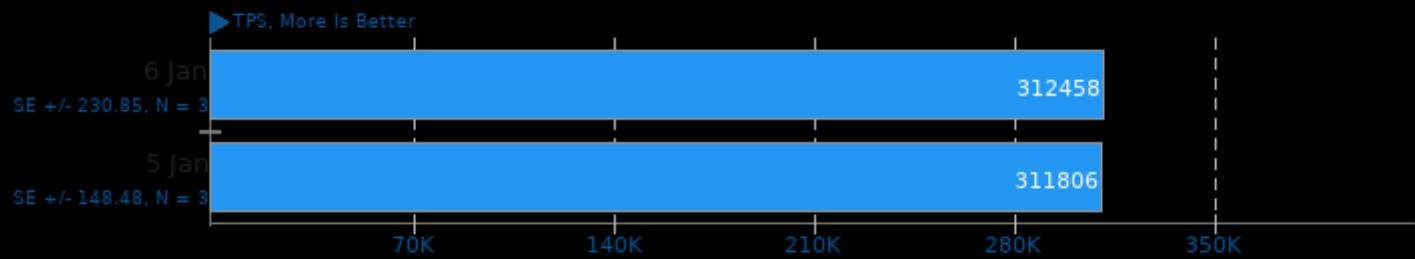
KeyDB 6.0.16



1. (CXX) g++ options: -O2 -levent_openssl -levent -lcrypto -lssl -lpthread -lz -lpcres

PostgreSQL pgbench 13.0

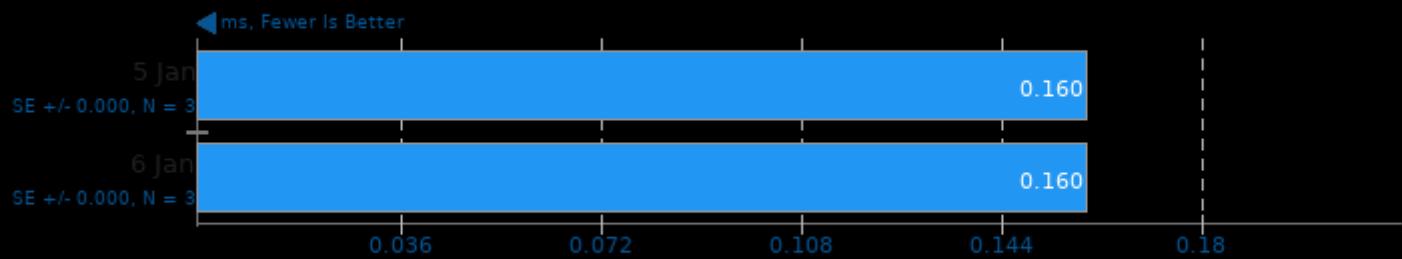
Scaling Factor: 100 - Clients: 50 - Mode: Read Only



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

PostgreSQL pgbench 13.0

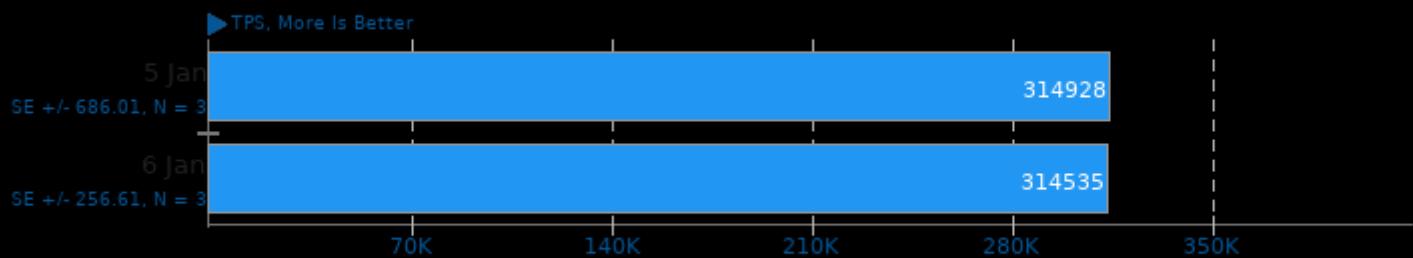
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

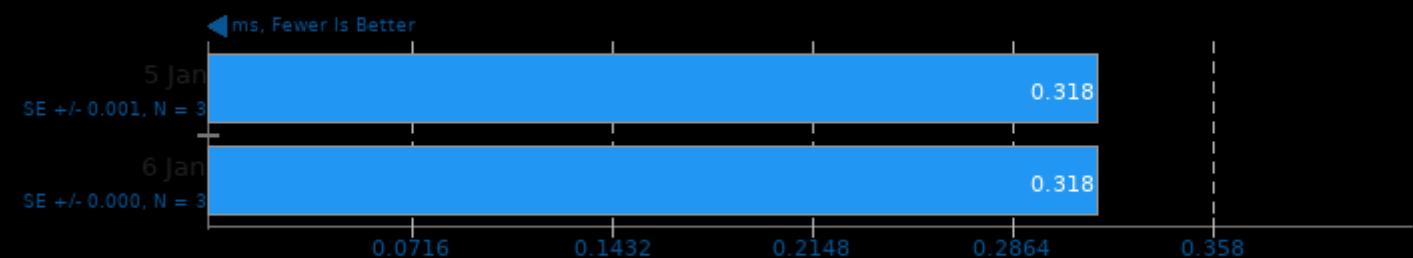
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



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

PostgreSQL pgbench 13.0

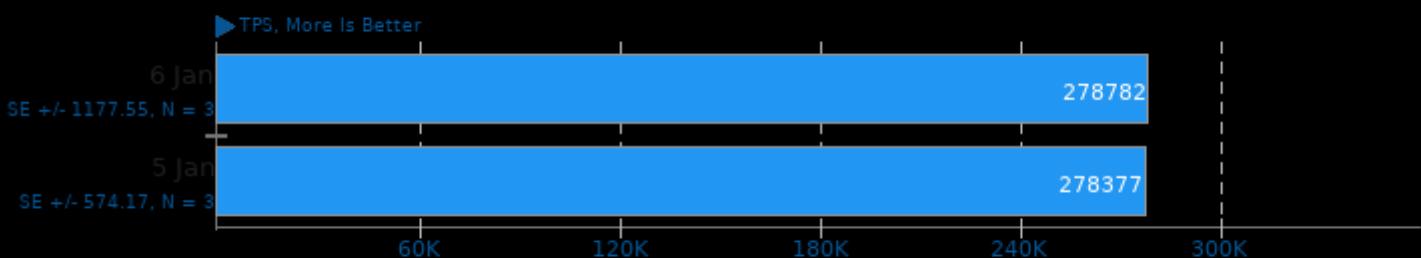
Scaling Factor: 100 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

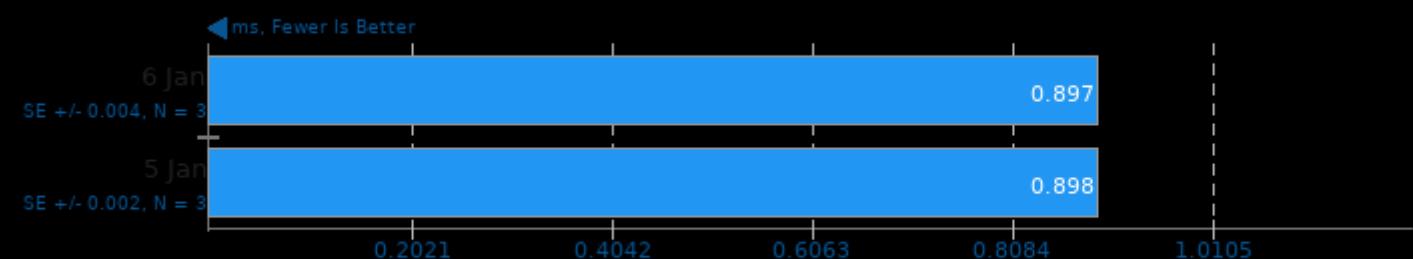
Scaling Factor: 100 - Clients: 250 - Mode: Read Only



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

PostgreSQL pgbench 13.0

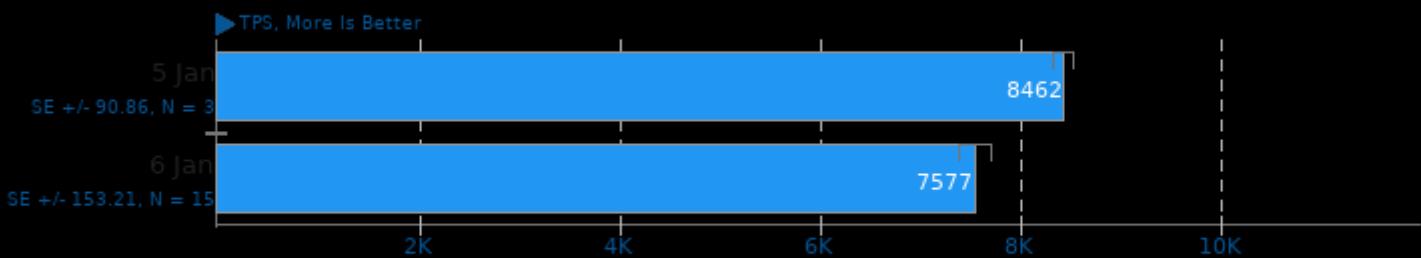
Scaling Factor: 100 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

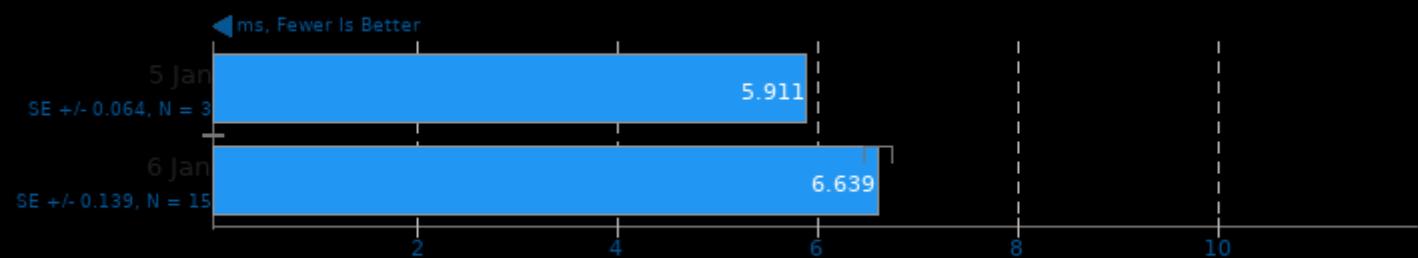
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



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

PostgreSQL pgbench 13.0

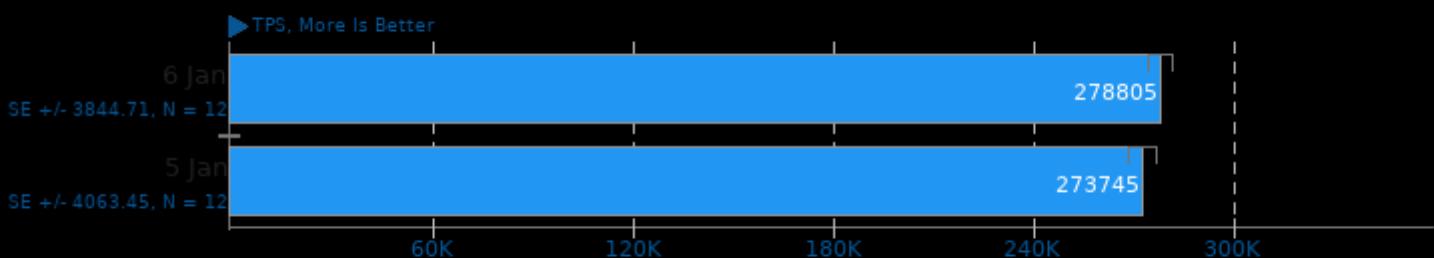
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

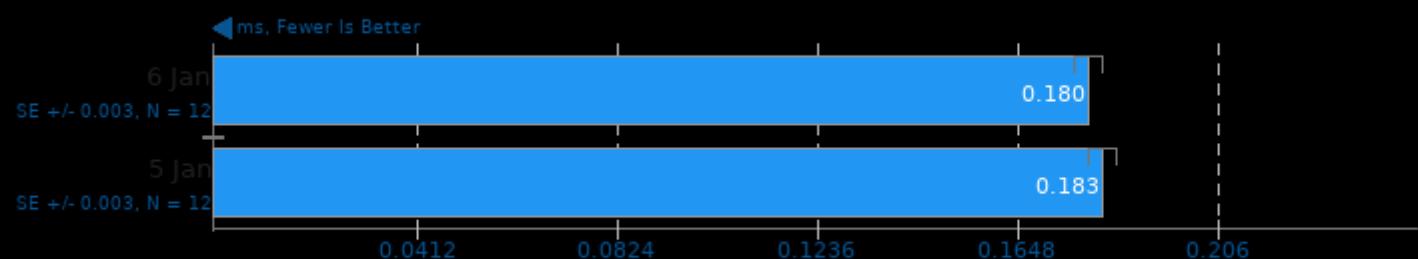
Scaling Factor: 1000 - Clients: 50 - Mode: Read Only



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

PostgreSQL pgbench 13.0

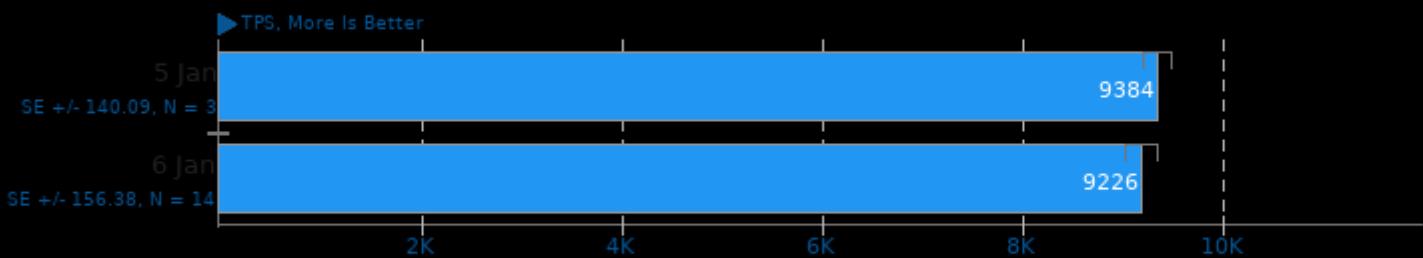
Scaling Factor: 1000 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

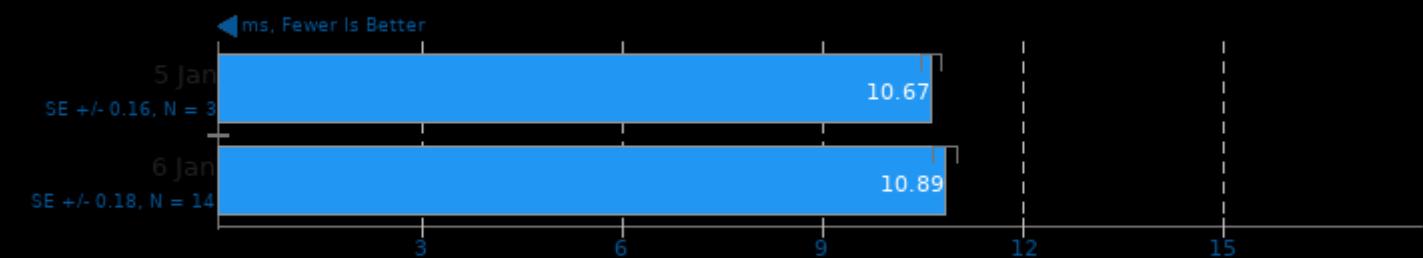
Scaling Factor: 100 - Clients: 100 - Mode: Read Write



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

PostgreSQL pgbench 13.0

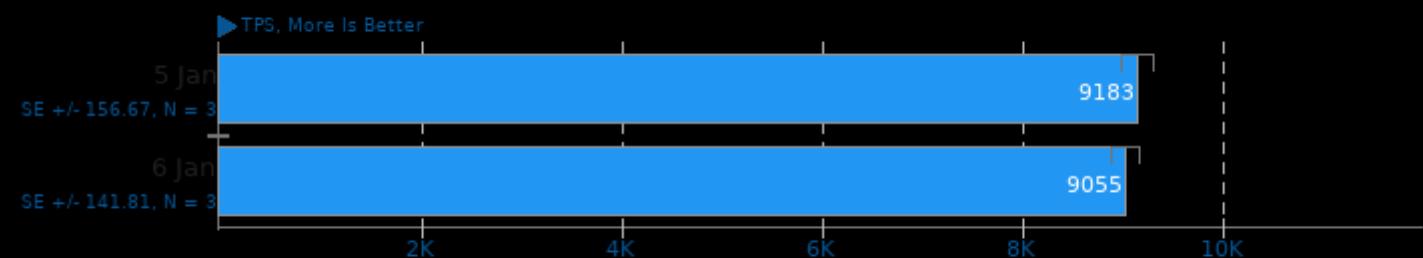
Scaling Factor: 100 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

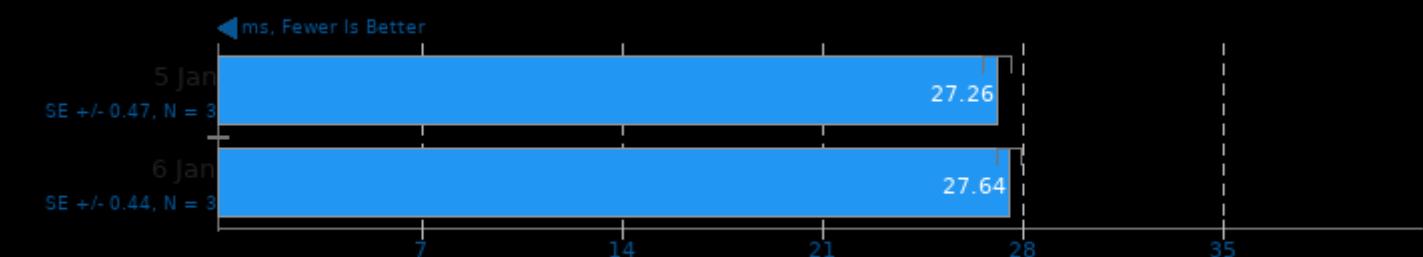
Scaling Factor: 100 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 13.0

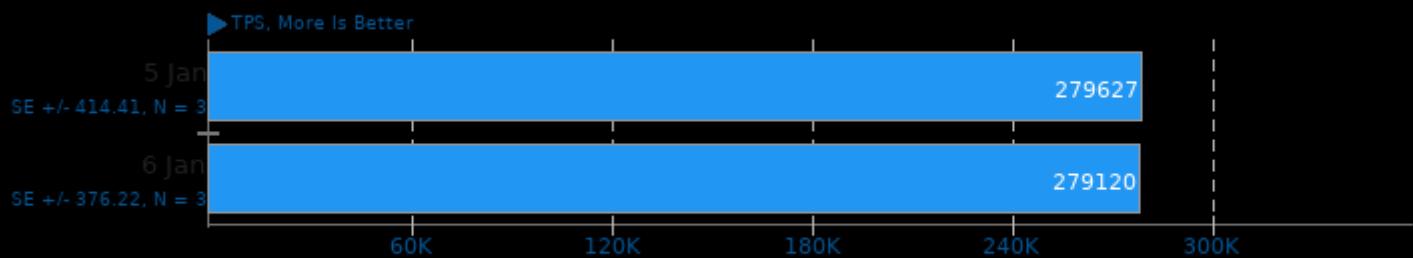
Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

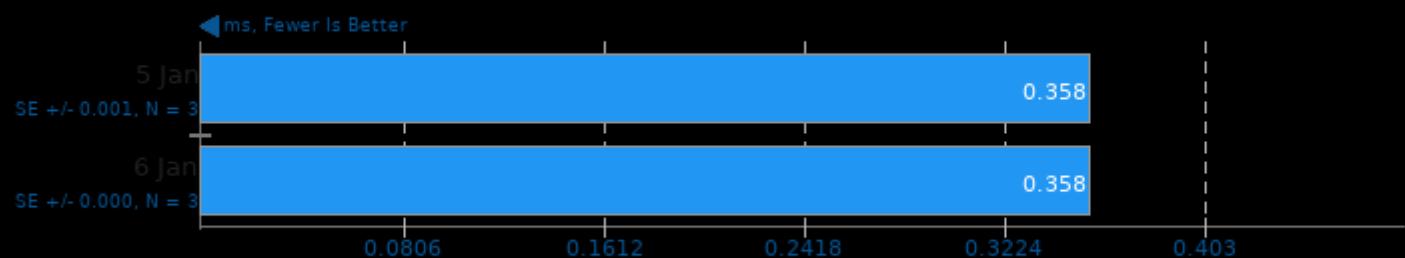
Scaling Factor: 1000 - Clients: 100 - Mode: Read Only



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

PostgreSQL pgbench 13.0

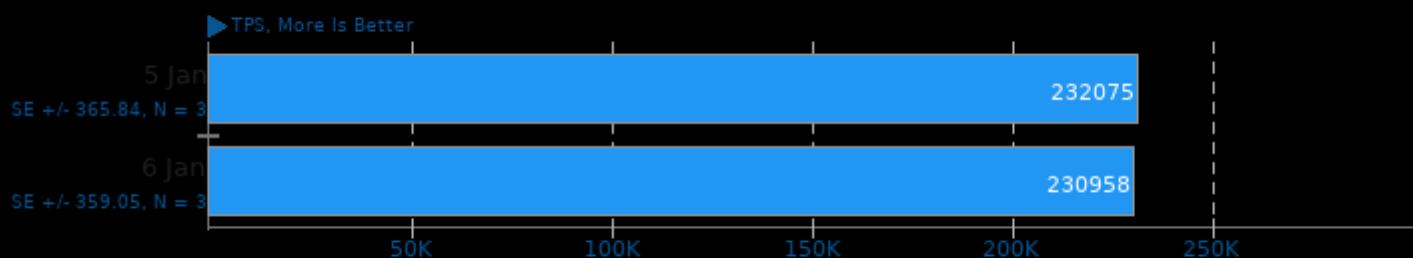
Scaling Factor: 1000 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

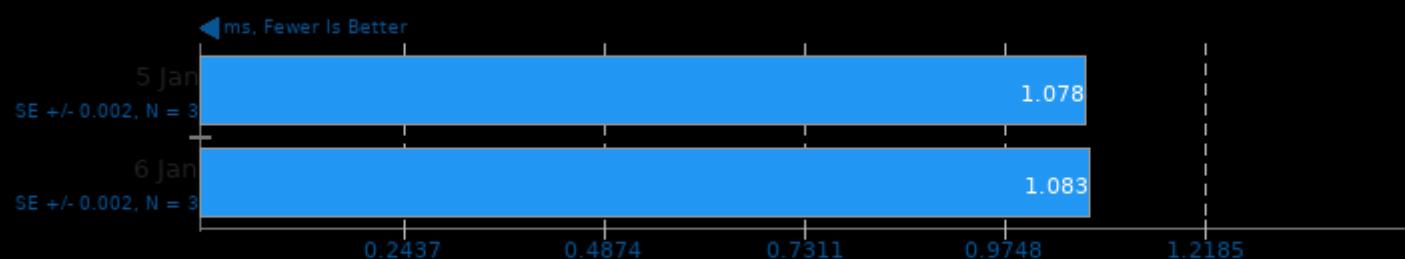
Scaling Factor: 1000 - Clients: 250 - Mode: Read Only



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

PostgreSQL pgbench 13.0

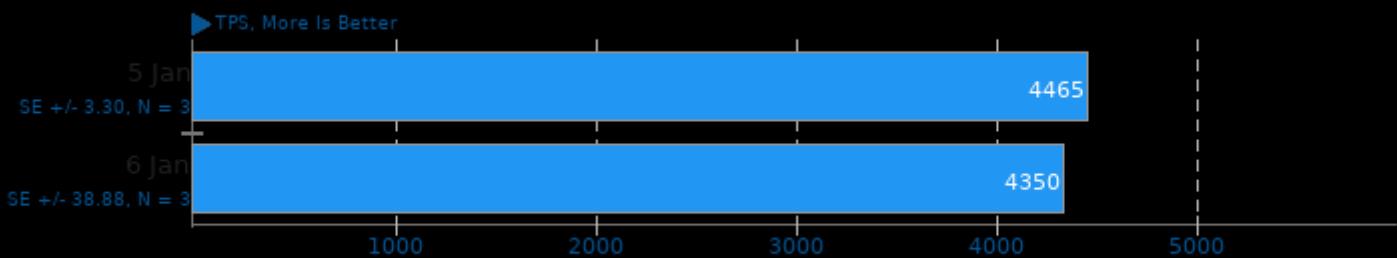
Scaling Factor: 1000 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

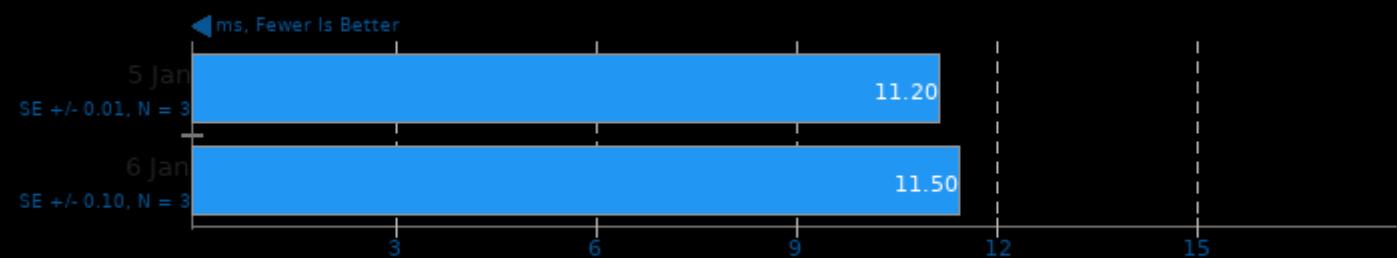
Scaling Factor: 1000 - Clients: 50 - Mode: Read Write



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

PostgreSQL pgbench 13.0

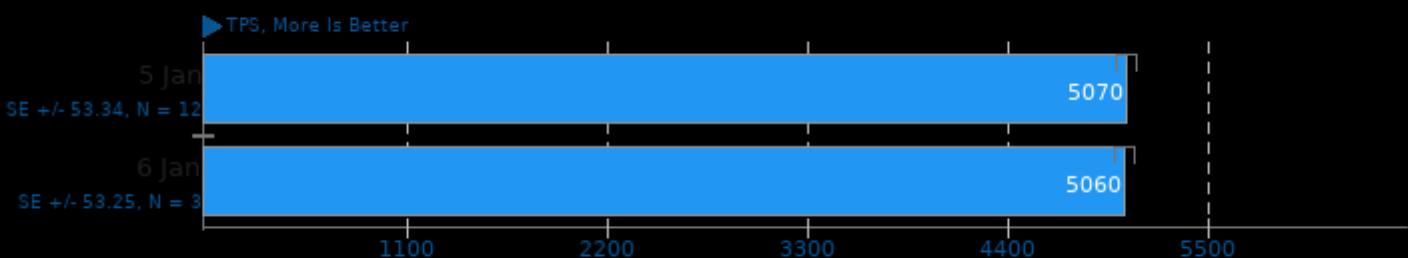
Scaling Factor: 1000 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

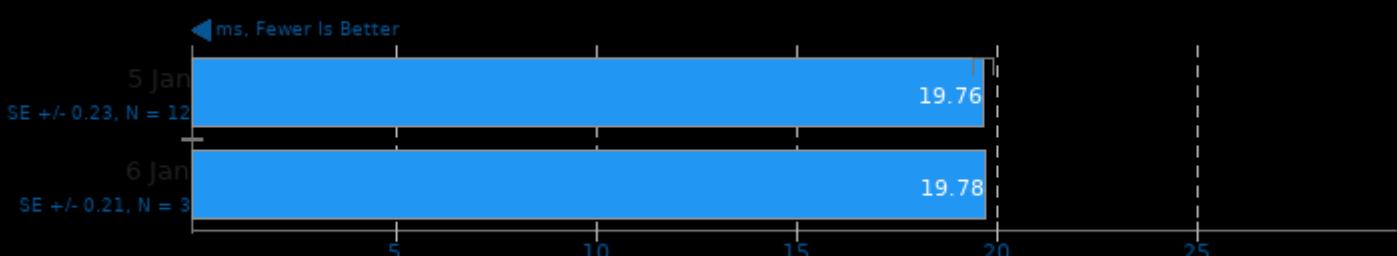
Scaling Factor: 1000 - Clients: 100 - Mode: Read Write



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

PostgreSQL pgbench 13.0

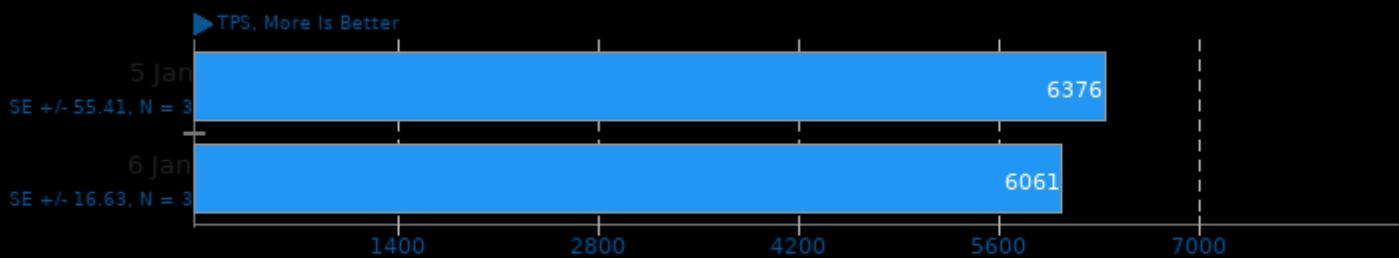
Scaling Factor: 1000 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

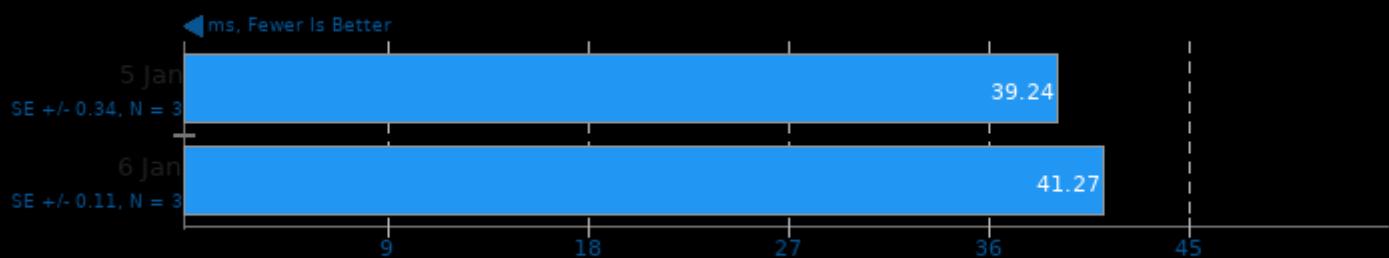
Scaling Factor: 1000 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 13.0

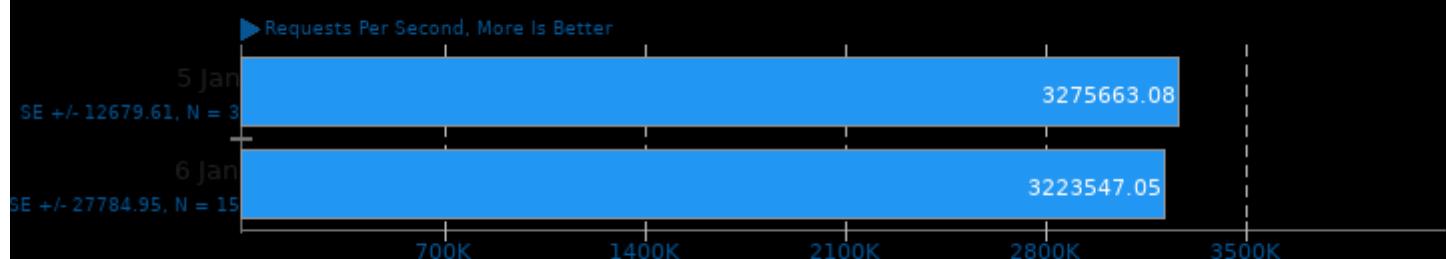
Scaling Factor: 1000 - Clients: 250 - Mode: Read Write - Average Latency



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

Redis 6.0.9

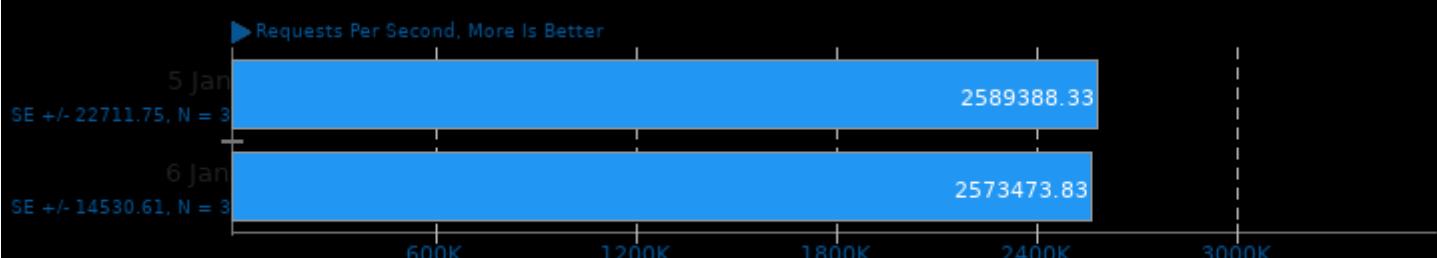
Test: GET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

Redis 6.0.9

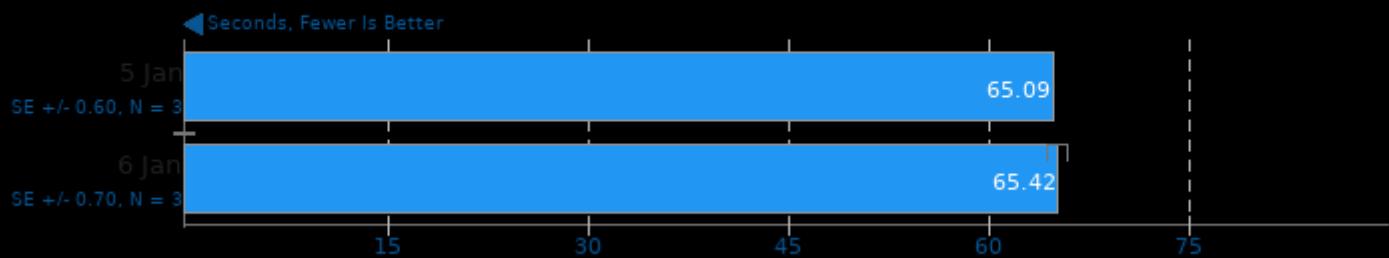
Test: SET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

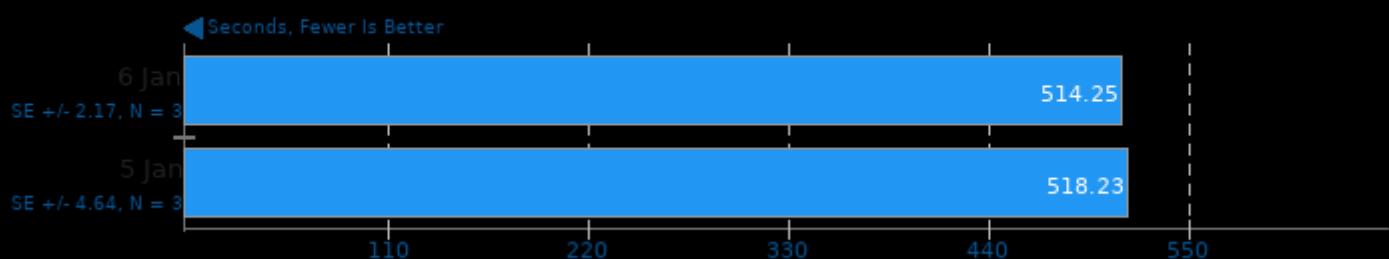
Timed Linux Kernel Compilation 5.4

Time To Compile

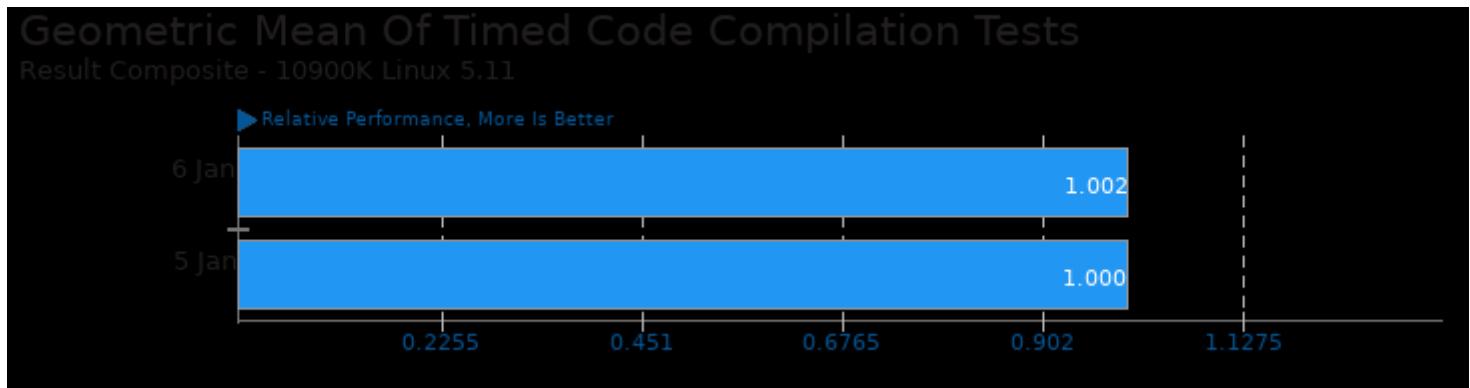


Timed LLVM Compilation 10.0

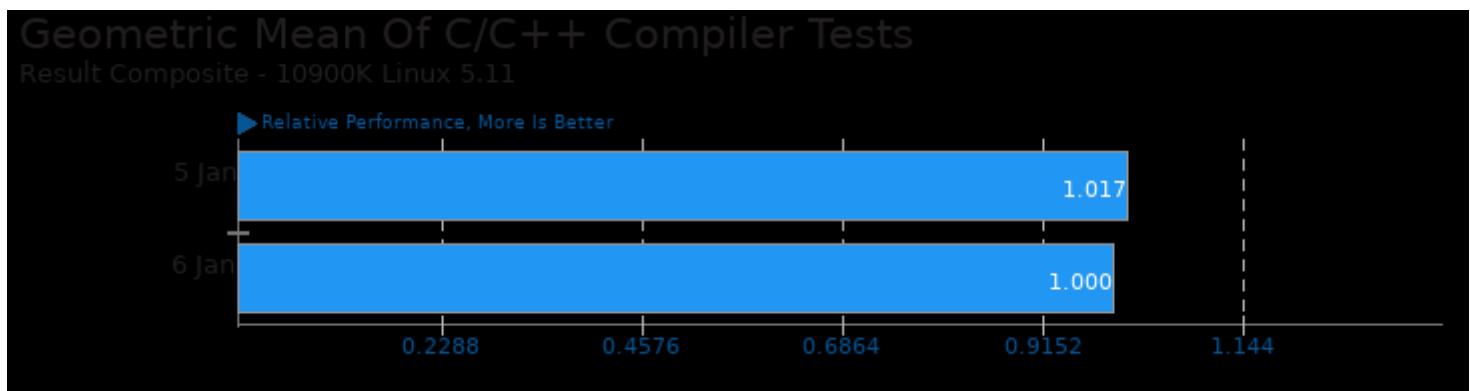
Time To Compile



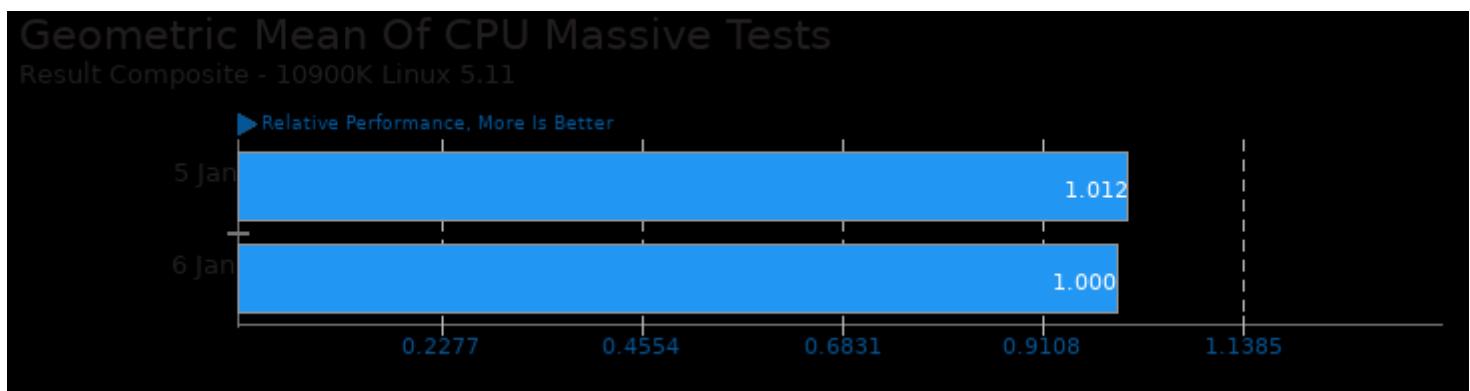
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/build-linux-kernel and pts/build-llvm



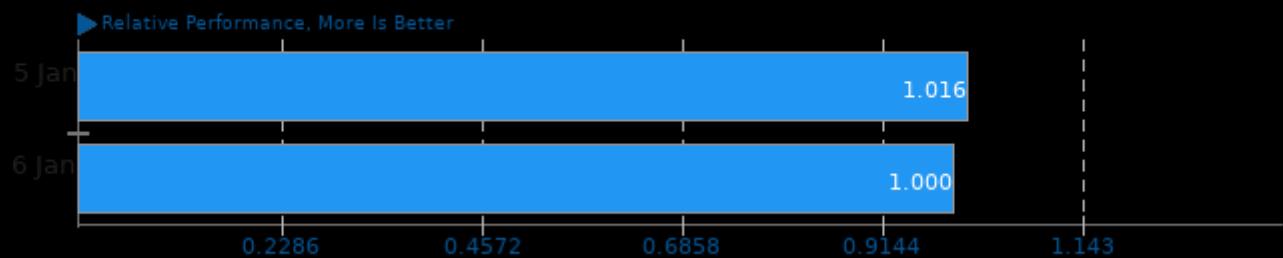
Geometric mean based upon tests: pts/build-llvm, pts/pgbench and pts/keydb



Geometric mean based upon tests: pts/apache-siege, pts/build-llvm, pts/build-linux-kernel, pts/hackbench, pts/pgbench and pts/redis

Geometric Mean Of Database Test Suite

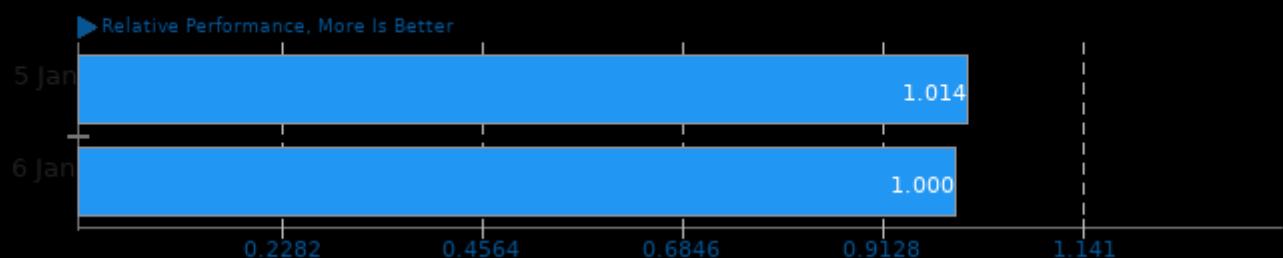
Result Composite - 10900K Linux 5.11



Geometric mean based upon tests: pts/redis, pts/keydb, pts/pgbench and pts/influxdb

Geometric Mean Of Common Kernel Benchmarks Tests

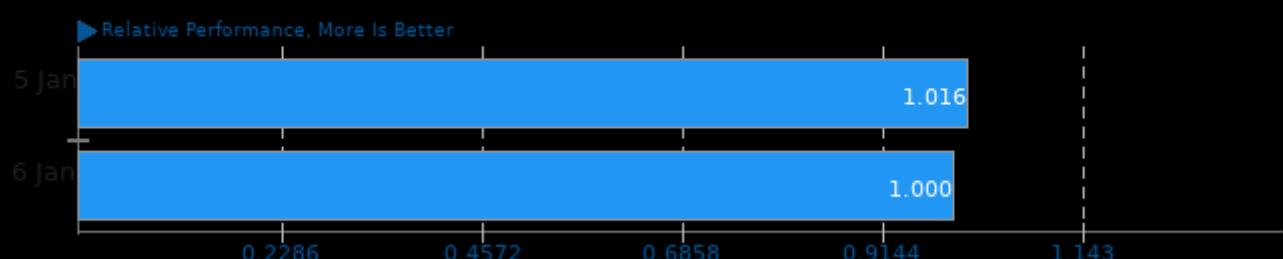
Result Composite - 10900K Linux 5.11



Geometric mean based upon tests: pts/pgbench and pts/hackbench

Geometric Mean Of Multi-Core Tests

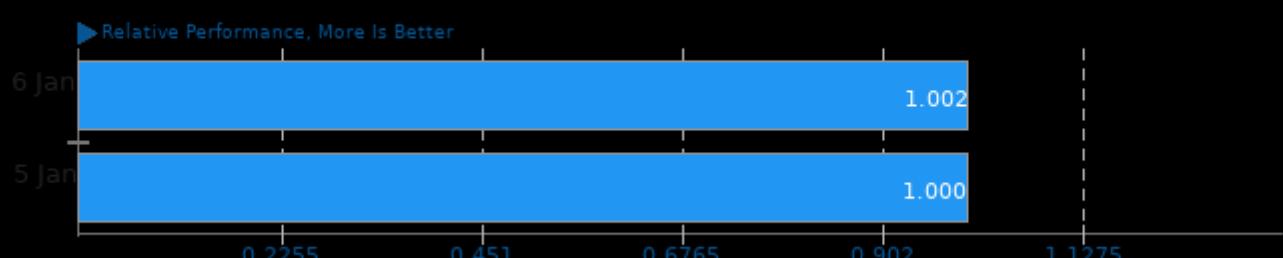
Result Composite - 10900K Linux 5.11



Geometric mean based upon tests: pts/build-linux-kernel, pts/build-llvm and pts/pgbench

Geometric Mean Of Programmer / Developer System Benchmarks Tests

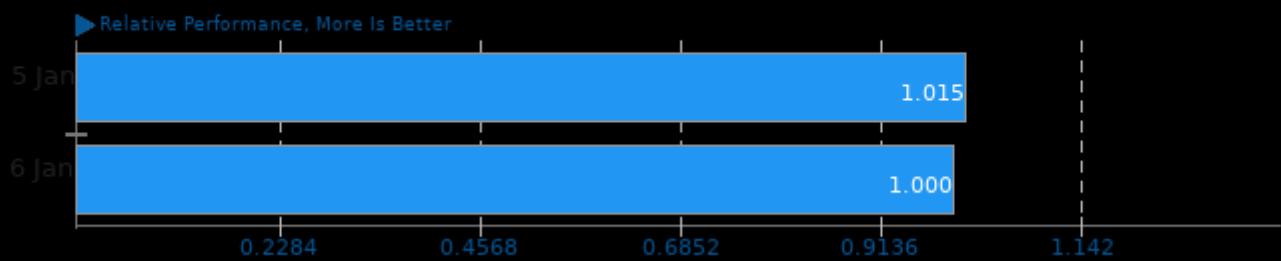
Result Composite - 10900K Linux 5.11



Geometric mean based upon tests: pts/build-linux-kernel and pts/build-llvm

Geometric Mean Of Server Tests

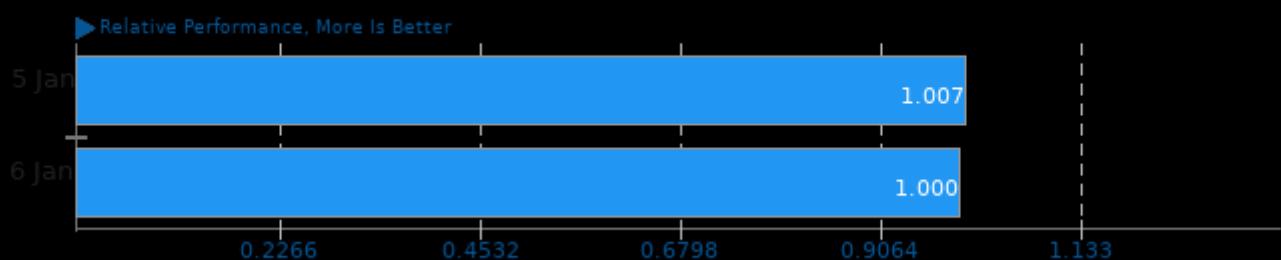
Result Composite - 10900K Linux 5.11



Geometric mean based upon tests: pts/apache-siege, pts/pgbench, pts/redis, pts/keydb and pts/influxdb

Geometric Mean Of Server CPU Tests

Result Composite - 10900K Linux 5.11



Geometric mean based upon tests: pts/build-linux-kernel, pts/build-llvm, pts/hackbench, pts/redis and pts/apache-siege

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 22:35.