



www.phoronix-test-suite.com

gce-vm-comparison

KVM testing on Ubuntu 20.04 via the Phoronix Test Suite.

Automated Executive Summary

GCE VM comparison had the most wins, coming in first place for 91% of the tests.

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

*PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 1 - Mode: Read Write - Average Latency) at 1.296x
PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 1 - Mode: Read Write) at 1.295x
LevelDB (Benchmark: Overwrite) at 1.256x
LevelDB (Benchmark: Overwrite) at 1.254x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 50 - Mode: Read Write) at 1.243x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency) at 1.243x
LevelDB (Benchmark: Random Fill) at 1.235x
LevelDB (Benchmark: Random Fill) at 1.234x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency) at 1.233x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 100 - Mode: Read Write) at 1.233x.*

Test Systems:

GCE VM comparison

PersistentDisk

Processor: Intel Xeon (8 Cores / 16 Threads), Motherboard: Google Compute Engine c2-standard-16, Chipset: Intel 440FX 82441FX PMC, Memory: 64GB, Disk: 161GB PersistentDisk, Network: Red Hat Virtio device

OS: Ubuntu 20.04, Kernel: 5.4.0-1040-gcp (x86_64), Compiler: GCC 9.3.0, File-System: ext4, System Layer: KVM

Kernel Notes: Transparent Huge Pages: madvise
 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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/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-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
 Disk Notes: NONE / relatime,rw / Block Size: 4096
 Processor Notes: CPU Microcode: 0x1

Java Notes: OpenJDK Runtime Environment (build 11.0.10+9-Ubuntu-0ubuntu1.20.04)

Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Mitigation of Clear buffers; SMT Host state unknown + 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 Enhanced IBRS IBPB: conditional RSB filling + srbs: Not affected + tsx_async_abort: Mitigation of Clear buffers; SMT Host state unknown

n2-standard-16

Processor: Intel Xeon (8 Cores / 16 Threads), Motherboard: Google Compute Engine n2-standard-16, Chipset: Intel 440FX 82441FX PMC, Memory: 64GB, Disk: 161GB PersistentDisk, Network: Red Hat Virtio device

OS: Ubuntu 20.04, Kernel: 5.4.0-1040-gcp (x86_64), Compiler: GCC 9.3.0, File-System: ext4, System Layer: KVM

Kernel Notes: Transparent Huge Pages: madvise
 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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/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-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
 Disk Notes: NONE / relatime,rw / Block Size: 4096
 Processor Notes: CPU Microcode: 0x1

Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Mitigation of Clear buffers; SMT Host state unknown + 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 Enhanced IBRS IBPB: conditional RSB filling + srbs: Not affected + tsx_async_abort: Mitigation of Clear buffers; SMT Host state unknown

	GCE VM comparison	PersistentDisk	n2-standard-16
LevelDB - Hot Read (us/Op)	15.083		13.281
Normalized	88.05%		100%
Standard Deviation	2.8%		1.2%
LevelDB - Fill Sync (MB/s)	0.7		0.6
Normalized	100%		85.71%
Standard Deviation	3.9%		0%
LevelDB - Fill Sync (us/Op)	2385		2919
Normalized	100%		81.71%
Standard Deviation	1.4%		0.3%
LevelDB - Overwrite (MB/s)	15.8		12.6
Normalized	100%		79.75%

LevelDB - Overwrite (us/Op)	112.041	Standard Deviation 0%	0.8%
		Normalized 100%	140.673
LevelDB - Rand Fill (MB/s)	15.8	Standard Deviation 0.1%	79.65%
		Normalized 100%	12.8
LevelDB - Rand Fill (us/Op)	111.921	Standard Deviation 0%	0.9%
		Normalized 100%	138.206
LevelDB - Rand Read (us/Op)	15.450	Standard Deviation 0.2%	81.01%
		Normalized 88.65%	13.696
LevelDB - Seek Rand (us/Op)	19.103	Standard Deviation 1.5%	0.8%
		Normalized 94.46%	18.045
LevelDB - Rand Delete (us/Op)	110.879	Standard Deviation 0.9%	80.98%
		Normalized 100%	133.942
LevelDB - Seq Fill (MB/s)	15.8	Standard Deviation 0.3%	0.6%
		Normalized 100%	13.2
LevelDB - Seq Fill (us/Op)	111.946	Standard Deviation 0%	100%
		Normalized 100%	133.937
SQLite - 1 (sec)	16.724	Standard Deviation 0.1%	0.6%
		Normalized 100%	19.770
Apache CouchDB - 100 - 1000 - 24 (sec)	97.714	Standard Deviation 0.9%	82.78%
		Normalized 100%	106.059
MariaDB - 1 (Queries/sec)	2982	Standard Deviation 0.4%	0.4%
		Normalized 100%	2451
MariaDB - 4 (Queries/sec)	1934	Standard Deviation 0.5%	82.19%
		Normalized 100%	1617
MariaDB - 8 (Queries/sec)	1814	Standard Deviation 5.5%	0.2%
		Normalized 100%	1528
MariaDB - 16 (Queries/sec)	1675	Standard Deviation 0.8%	83.61%
		Normalized 100%	1381
MariaDB - 32 (Queries/sec)	1347	Standard Deviation 0.6%	1%
		Normalized 100%	1163
MariaDB - 64 (Queries/sec)	972	Standard Deviation 0.4%	84.23%
		Normalized 100%	898
MariaDB - 128 (Queries/sec)	352	Standard Deviation 2%	0.2%
		Normalized 100%	345
MariaDB - 256 (Queries/sec)	295	Standard Deviation 2.2%	86.34%
		Normalized 100%	280
		Standard Deviation 2.1%	0.1%

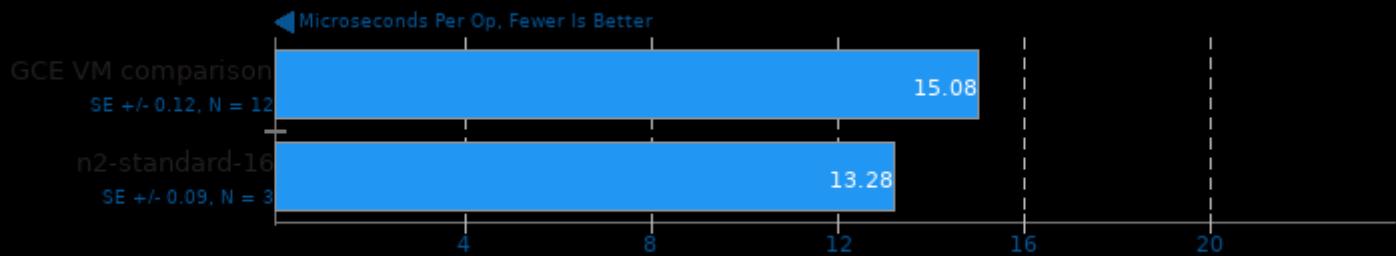
MariaDB - 512 (Queries/sec)	261	Normalized 100%	94.64%
		Standard Deviation 1.5%	1.5%
PostgreSQL pgbench - 1 - 1 - Read Only	22019	Normalized 100%	92.37%
		Standard Deviation 0.8%	0.8%
PostgreSQL pgbench - 1 - 1 - Read Only -	0.045	Average Latency (ms)	0.049
		Normalized 100%	91.84%
		Standard Deviation 1.3%	1.2%
PostgreSQL pgbench - 1 - 1 - Read Write	1225	Normalized 100%	82.78%
		Standard Deviation 0.8%	0.1%
PostgreSQL pgbench - 1 - 1 - Read Write -	0.816	Average Latency (ms)	0.986
		Normalized 100%	82.76%
		Standard Deviation 0.7%	0.1%
PostgreSQL pgbench - 1 - 50 - Read Only	214289	(TPS)	194477
		Normalized 100%	90.75%
		Standard Deviation 0.1%	0.2%
PostgreSQL pgbench - 1 - 50 - Read Only -	0.233	Average Latency (ms)	0.257
		Normalized 100%	90.66%
		Standard Deviation 0.2%	0.2%
PostgreSQL pgbench - 1 - 100 - Read Only	226079	(TPS)	205787
		Normalized 100%	91.02%
		Standard Deviation 0.9%	0.4%
PostgreSQL pgbench - 1 - 100 - Read Only -	0.443	Average Latency (ms)	0.486
		Normalized 100%	91.15%
		Standard Deviation 0.9%	0.4%
PostgreSQL pgbench - 1 - 250 - Read Only	215591	(TPS)	191351
		Normalized 100%	88.76%
		Standard Deviation 0.3%	1.1%
PostgreSQL pgbench - 1 - 250 - Read Only -	1.160	Average Latency (ms)	1.307
		Normalized 100%	88.75%
		Standard Deviation 0.2%	1.1%
PostgreSQL pgbench - 1 - 50 - Read Write	1514	(TPS)	1218
		Normalized 100%	80.45%
		Standard Deviation 1.8%	0.7%
PostgreSQL pgbench - 1 - 50 - Read Write -	33.040	Average Latency (ms)	41.059
		Normalized 100%	80.47%
		Standard Deviation 1.8%	0.7%
PostgreSQL pgbench - 100 - 1 - Read Only	18754	(TPS)	16925
		Normalized 100%	90.25%
		Standard Deviation 0.6%	1.6%

PostgreSQL pgbench - 100 - 1 - Read Only -	0.053	Average Latency (ms)	0.059
		Normalized	100%
		Standard Deviation	1.1%
PostgreSQL pgbench - 1 - 100 - Read Write	1431	(TPS)	1161
		Normalized	100%
		Standard Deviation	1.1%
PostgreSQL pgbench - 1 - 100 - Read Write -	69.899	Average Latency (ms)	86.219
		Normalized	100%
		Standard Deviation	1.1%
PostgreSQL pgbench - 1 - 250 - Read Write	1229	(TPS)	1039
		Normalized	100%
		Standard Deviation	1.1%
PostgreSQL pgbench - 1 - 250 - Read Write -	203.469	Average Latency (ms)	240.845
		Normalized	100%
		Standard Deviation	1.1%
PostgreSQL pgbench - 100 - 1 - Read Write	878	(TPS)	678
		Normalized	100%
		Standard Deviation	16.9%
PostgreSQL pgbench - 100 - 1 - Read Write -	1.170	Average Latency (ms)	1.540
		Normalized	100%
		Standard Deviation	17.4%
PostgreSQL pgbench - 100 - 50 - Read Only	173439	(TPS)	155332
		Normalized	100%
		Standard Deviation	0.4%
PostgreSQL pgbench - 100 - 50 - Read Only -	0.288	Average Latency (ms)	0.322
		Normalized	100%
		Standard Deviation	0.4%
PostgreSQL pgbench - 1000 - 1 - Read Only	17252	(TPS)	16180
		Normalized	100%
		Standard Deviation	2.4%
PostgreSQL pgbench - 1000 - 1 - Read Only -	0.058	Average Latency (ms)	0.062
		Normalized	100%
		Standard Deviation	1.7%
PostgreSQL pgbench - 100 - 100 - Read Only	182659	(TPS)	164164
		Normalized	100%
		Standard Deviation	0.2%
PostgreSQL pgbench - 100 - 100 - Read Only	0.548	- Average Latency (ms)	0.610
		Normalized	100%
		Standard Deviation	0.2%

PostgreSQL pgbench - 100 - 250 - Read Only	166151	152295
	(TPS)	
Normalized	100%	91.66%
Standard Deviation	0.5%	0.5%
PostgreSQL pgbench - 100 - 250 - Read Only	1.505	1.642
	- Average Latency (ms)	
Normalized	100%	91.66%
Standard Deviation	0.5%	0.5%
PostgreSQL pgbench - 100 - 50 - Read Write	3356	3420
	(TPS)	
Normalized	98.13%	100%
Standard Deviation	2.4%	4.3%
PostgreSQL pgbench - 100 - 50 - Read Write	14.905	14.649
	- Average Latency (ms)	
Normalized	98.28%	100%
Standard Deviation	2.4%	4.4%
PostgreSQL pgbench - 1000 - 1 - Read Write	1168	902
	(TPS)	
Normalized	100%	77.23%
Standard Deviation	0.6%	2.1%
PostgreSQL pgbench - 1000 - 1 - Read Write	0.856	1.109
	- Average Latency (ms)	
Normalized	100%	77.19%
Standard Deviation	0.6%	2.1%
PostgreSQL pgbench - 1000 - 50 - Read Only	165375	149726
	(TPS)	
Normalized	100%	90.54%
Standard Deviation	1.1%	0.5%
PostgreSQL pgbench - 1000 - 50 - Read Only	0.302	0.334
	- Average Latency (ms)	
Normalized	100%	90.42%
Standard Deviation	1%	0.5%

LevelDB 1.22

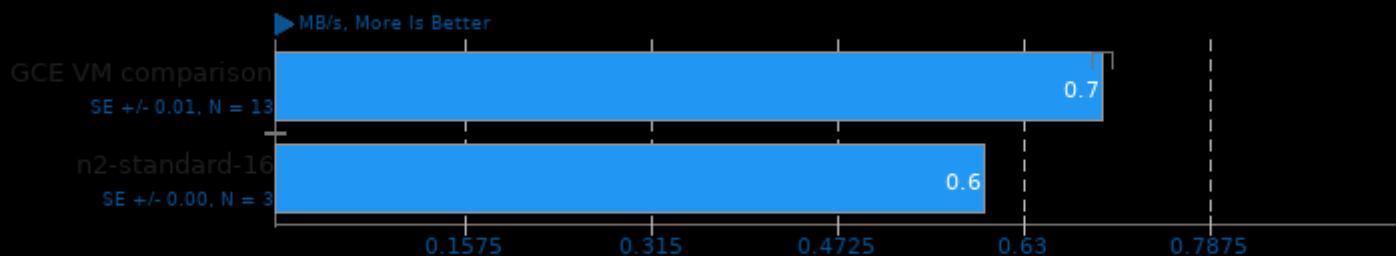
Benchmark: Hot Read



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

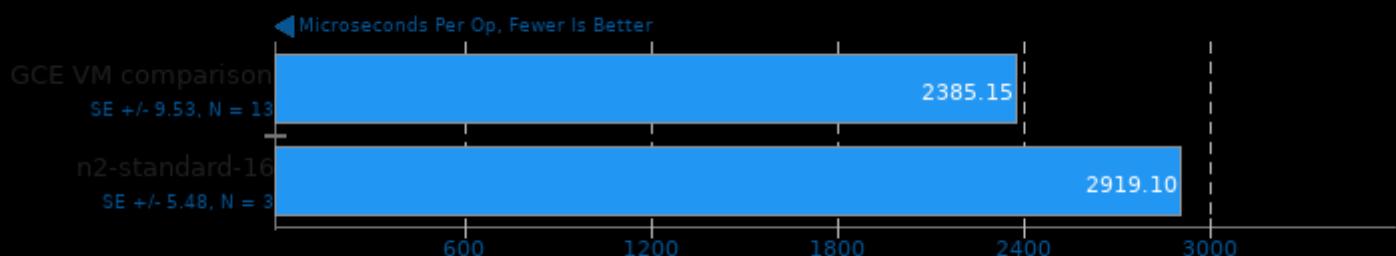
Benchmark: Fill Sync



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

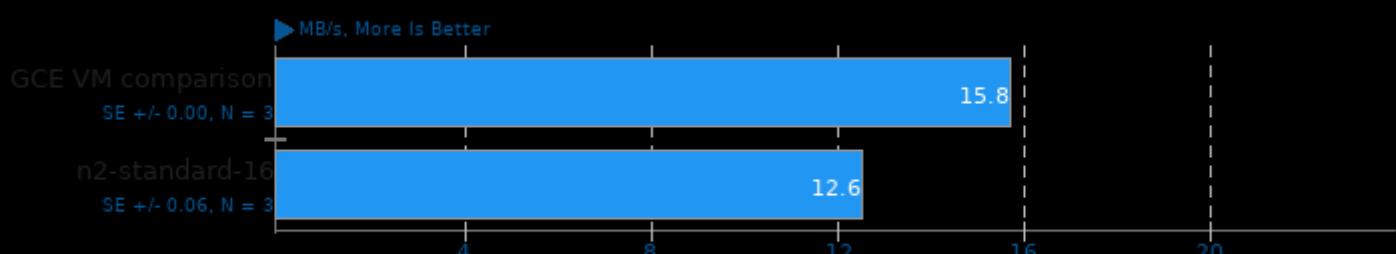
Benchmark: Fill Sync



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

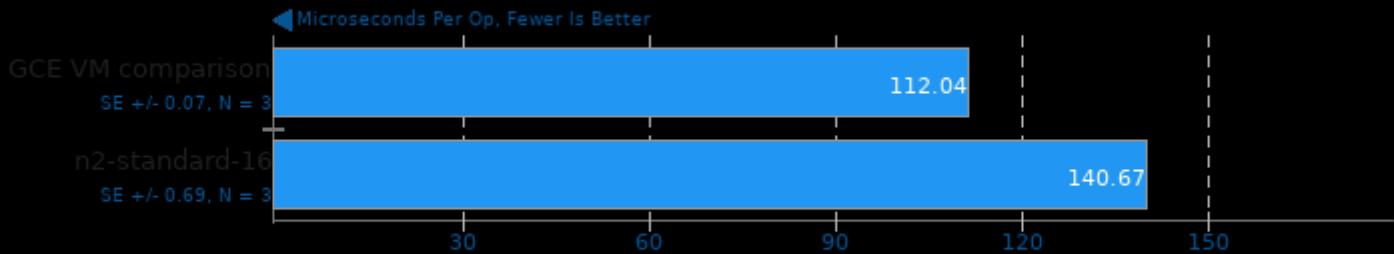
Benchmark: Overwrite



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

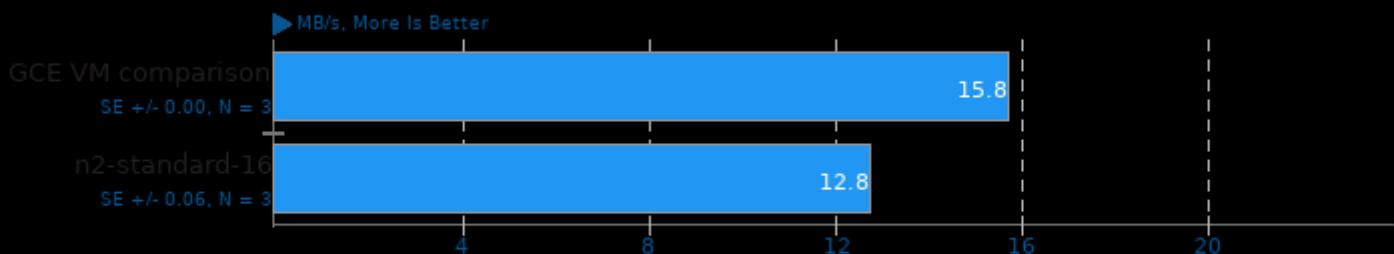
Benchmark: Overwrite



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

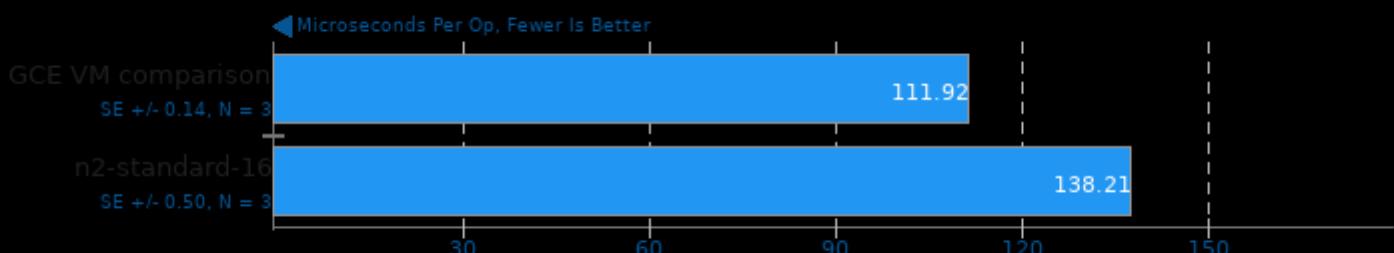
Benchmark: Random Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

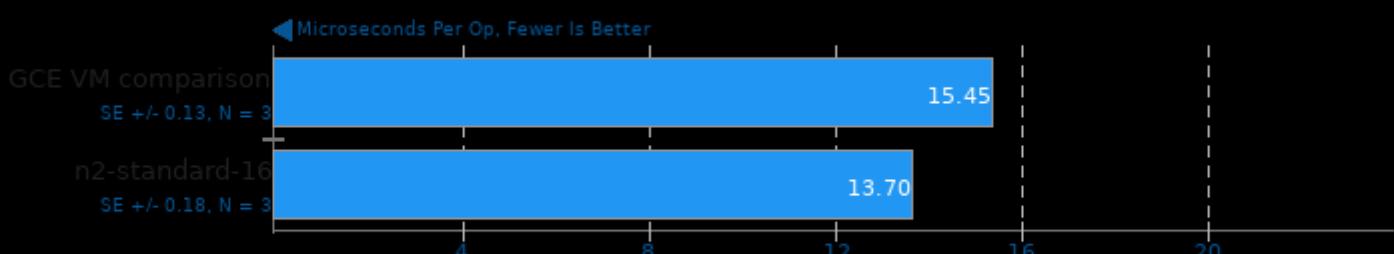
Benchmark: Random Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

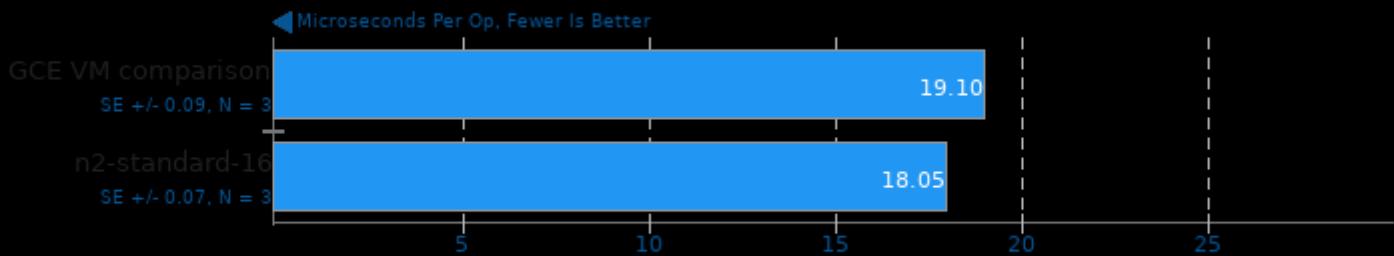
Benchmark: Random Read



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

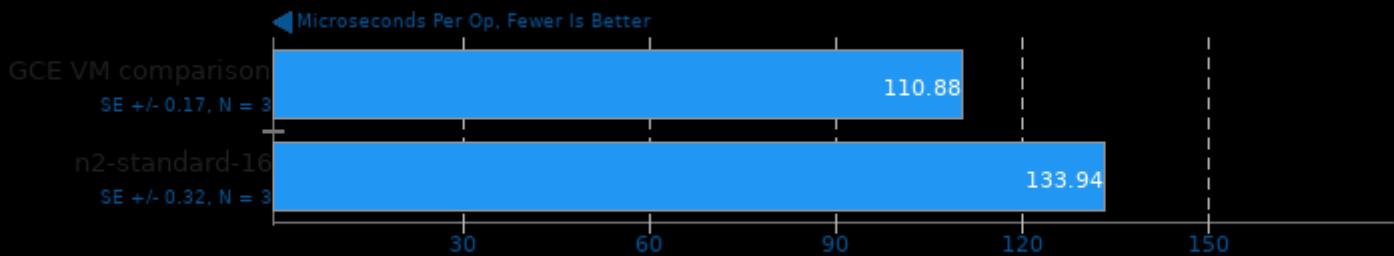
Benchmark: Seek Random



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

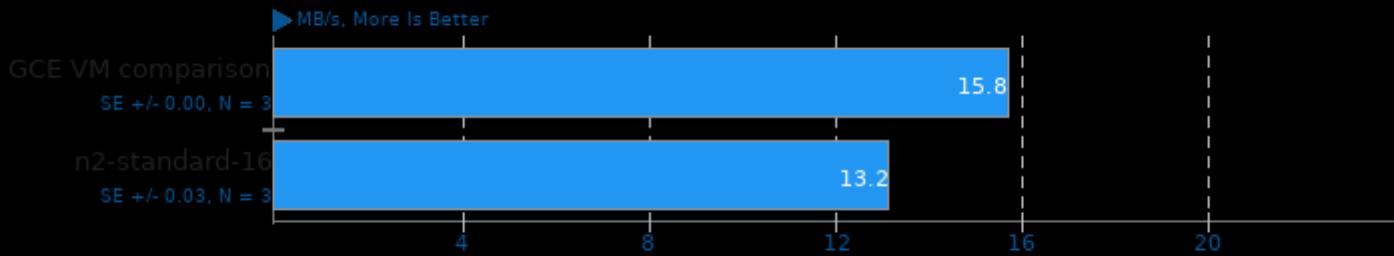
Benchmark: Random Delete



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

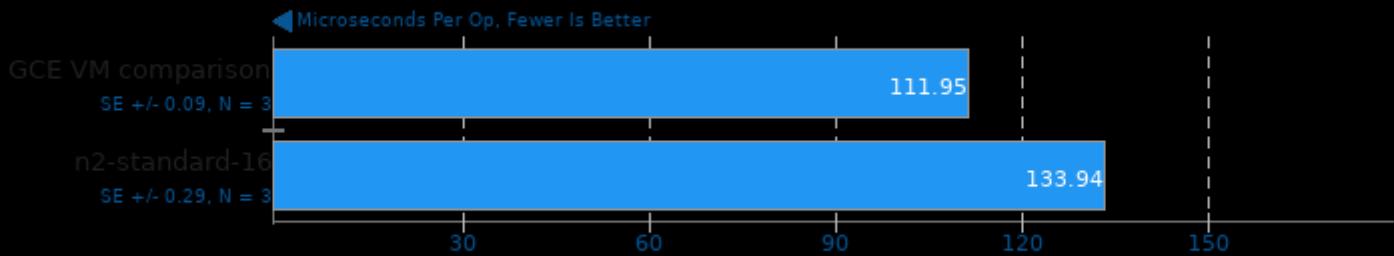
Benchmark: Sequential Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

LevelDB 1.22

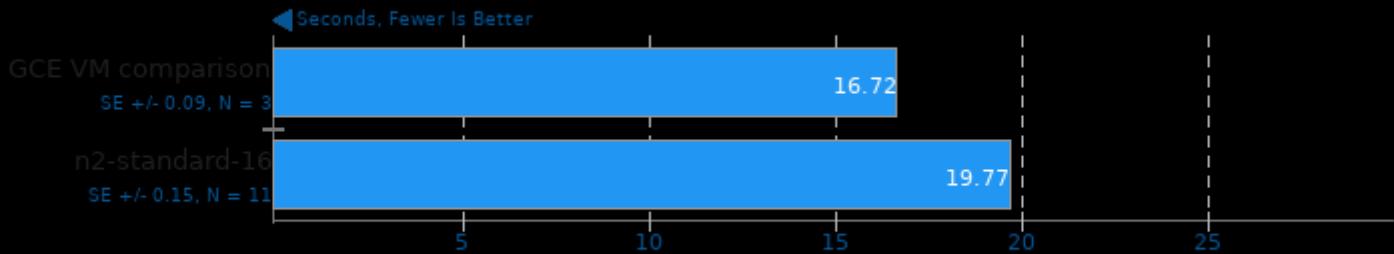
Benchmark: Sequential Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

SQLite 3.30.1

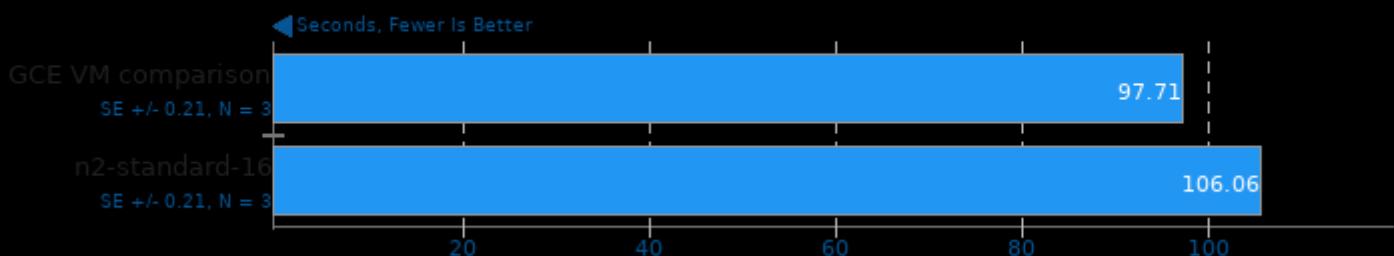
Threads / Copies: 1



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

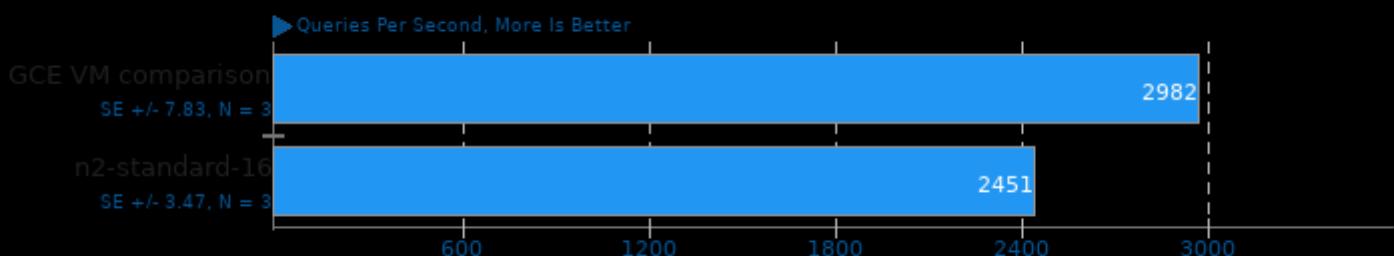
Apache CouchDB 3.1.1

Bulk Size: 100 - Inserts: 1000 - Rounds: 24



MariaDB 10.5.2

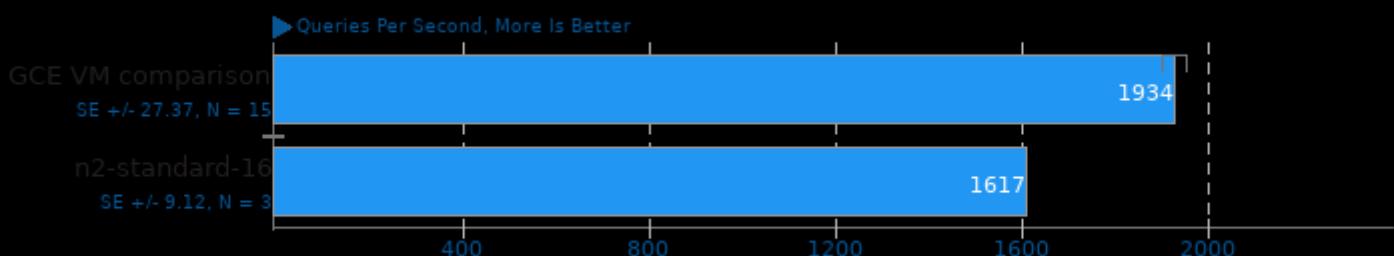
Clients: 1



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

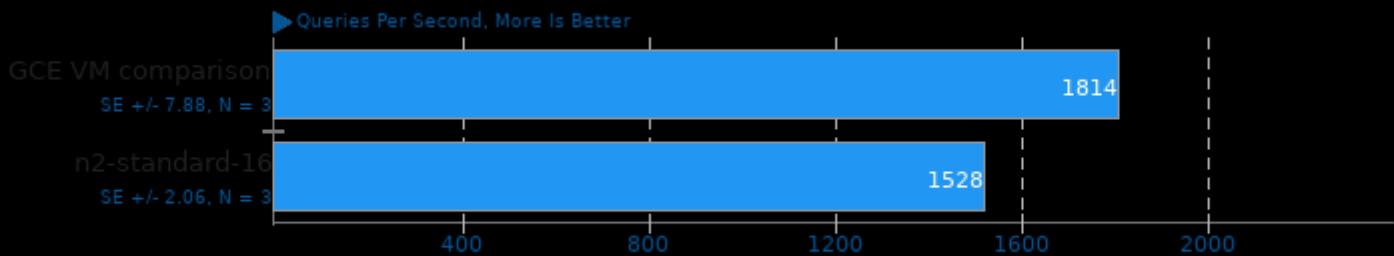
Clients: 4



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

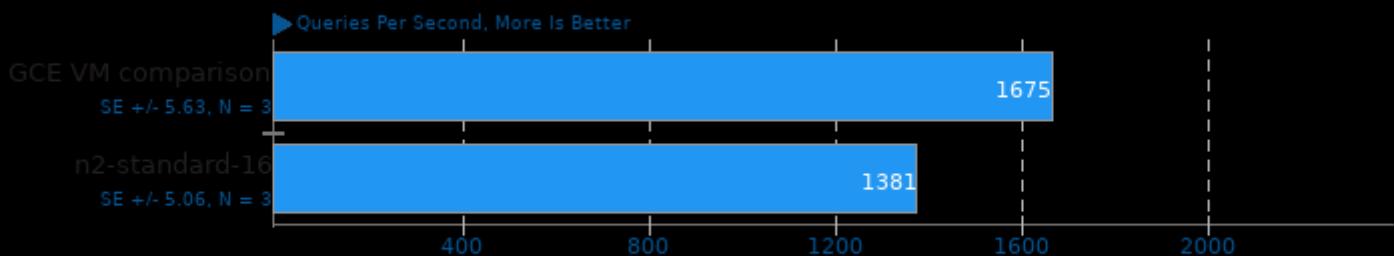
Clients: 8



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

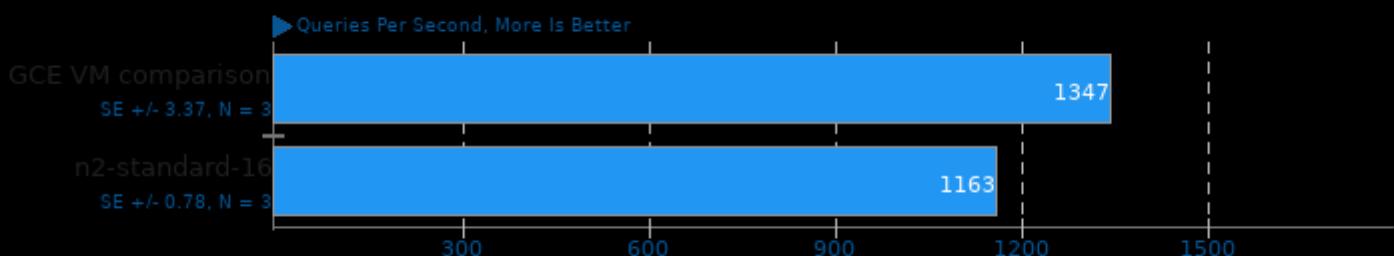
Clients: 16



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

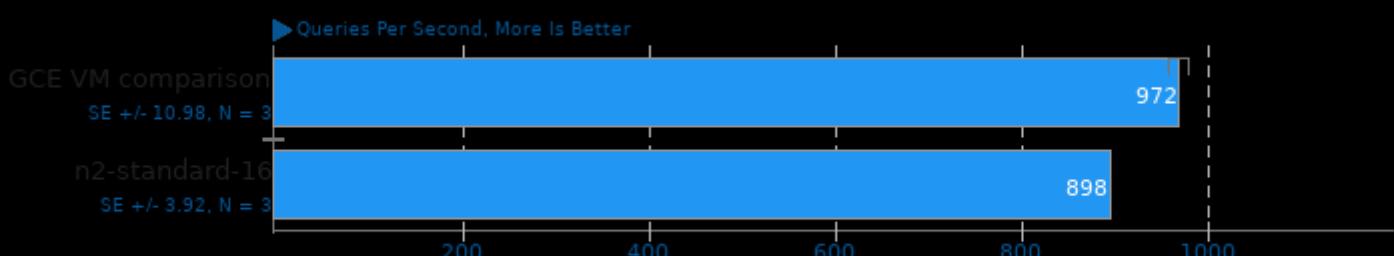
Clients: 32



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

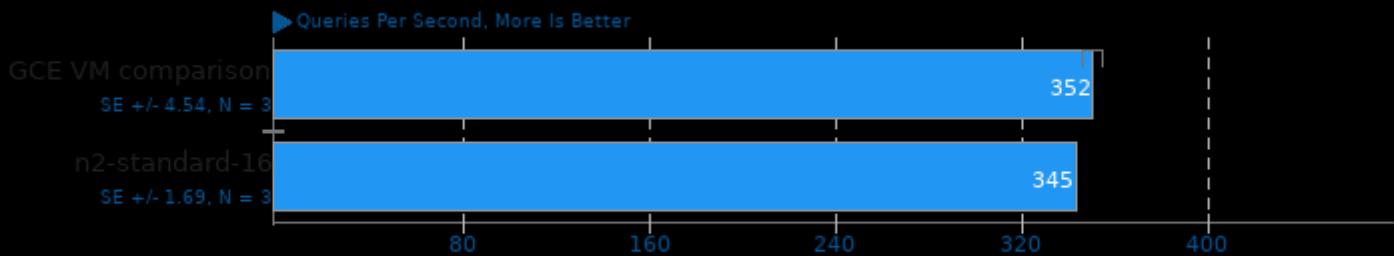
Clients: 64



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

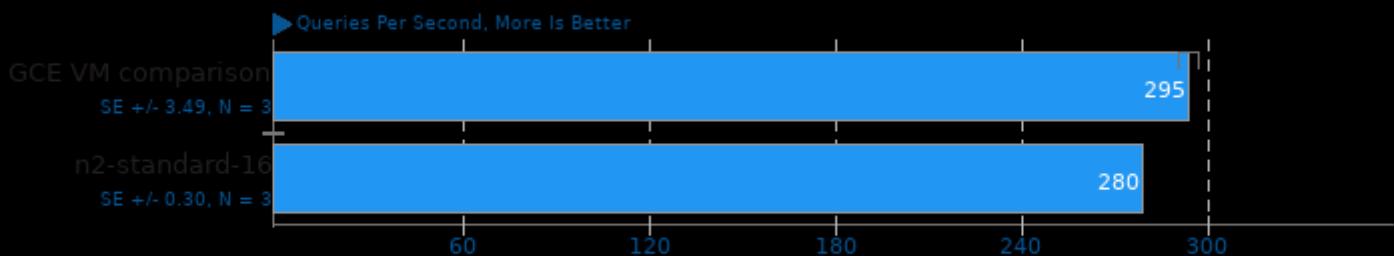
Clients: 128



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lssl -lcrypto -ldl

MariaDB 10.5.2

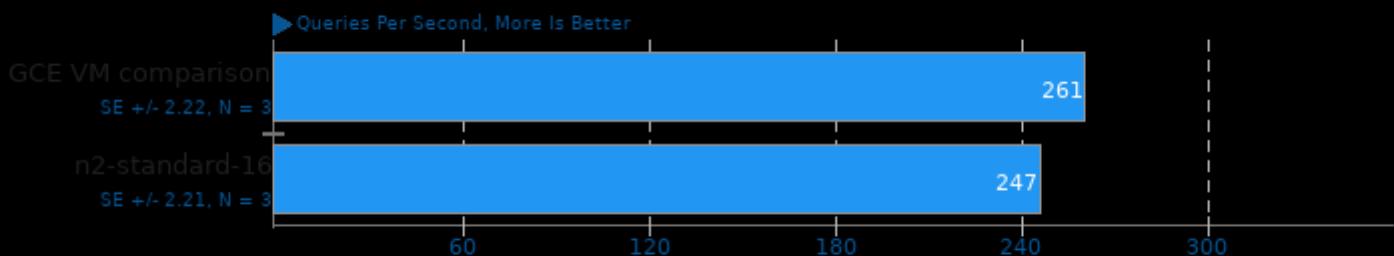
Clients: 256



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lssl -lcrypto -ldl

MariaDB 10.5.2

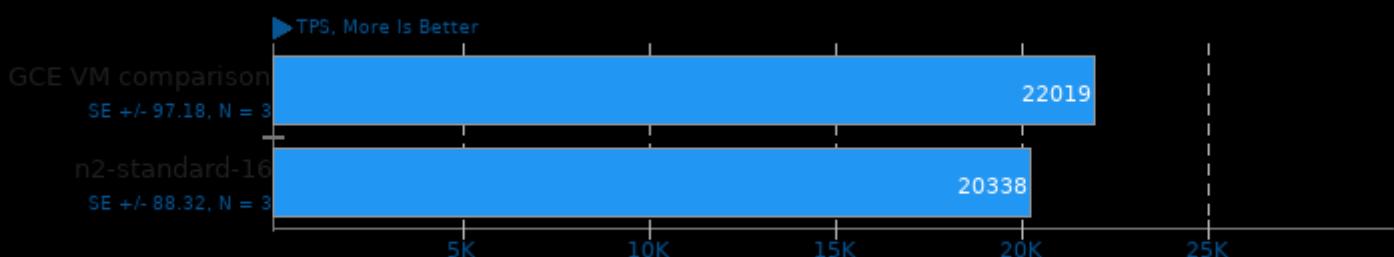
Clients: 512



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lsnappy -lcrypt -lz -lssl -lcrypto -ldl

PostgreSQL pgbench 13.0

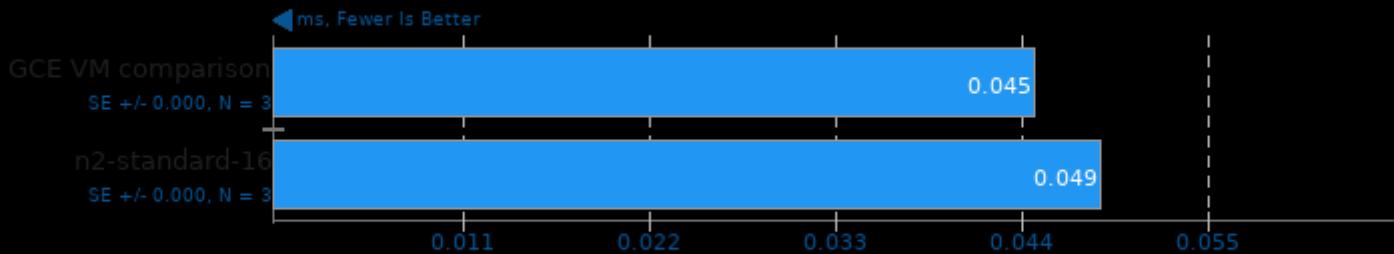
Scaling Factor: 1 - Clients: 1 - Mode: Read Only



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

PostgreSQL pgbench 13.0

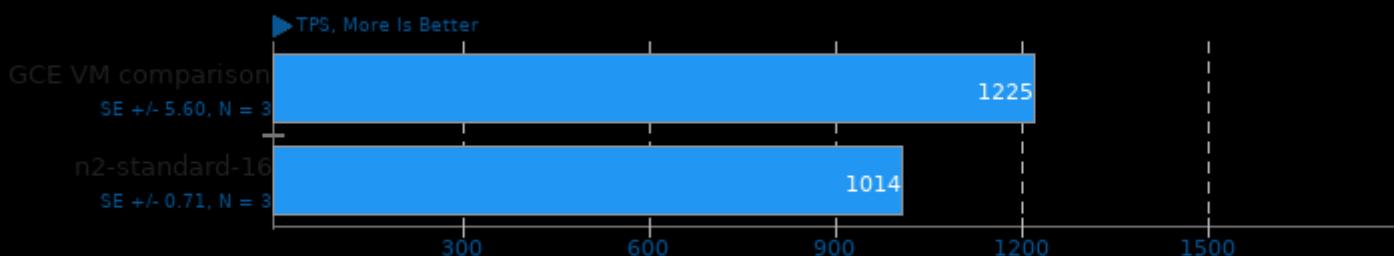
Scaling Factor: 1 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

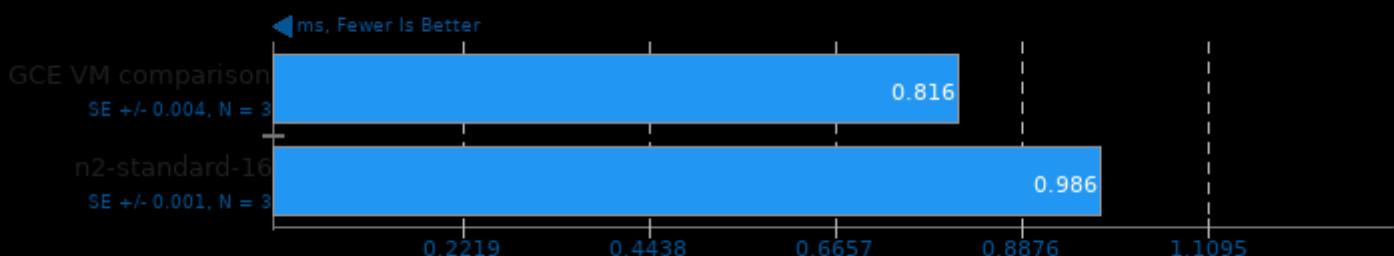
Scaling Factor: 1 - Clients: 1 - Mode: Read Write



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

PostgreSQL pgbench 13.0

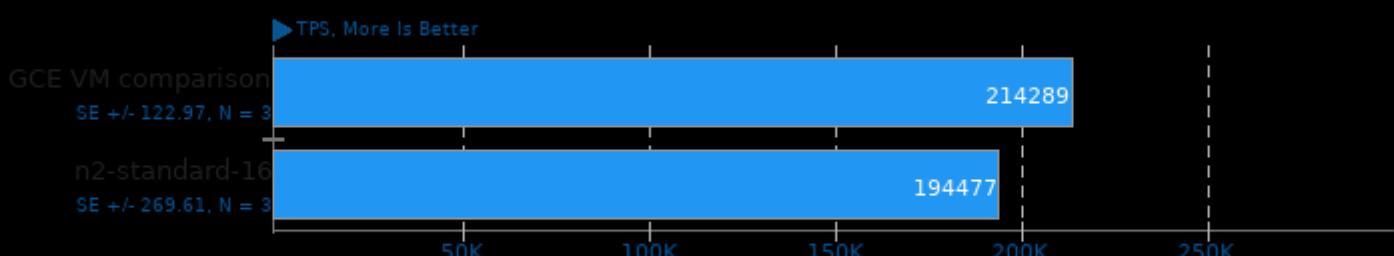
Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

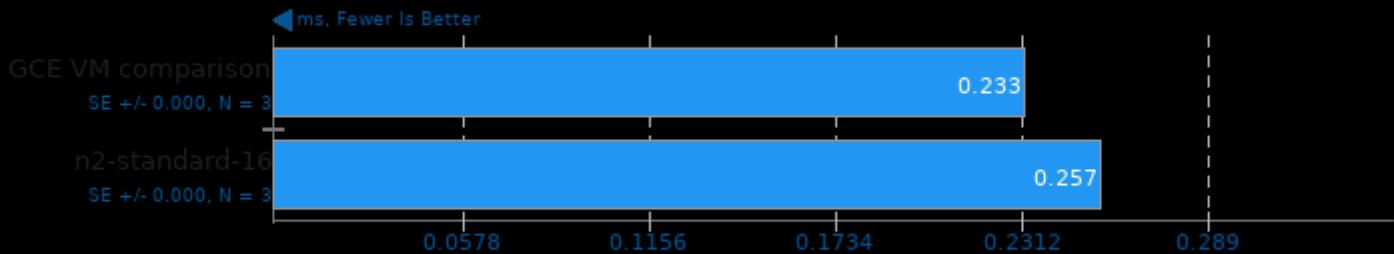
Scaling Factor: 1 - Clients: 50 - Mode: Read Only



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

PostgreSQL pgbench 13.0

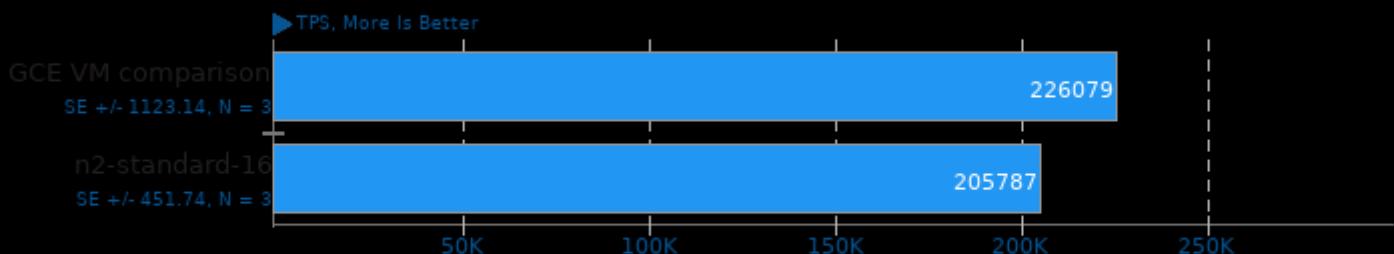
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

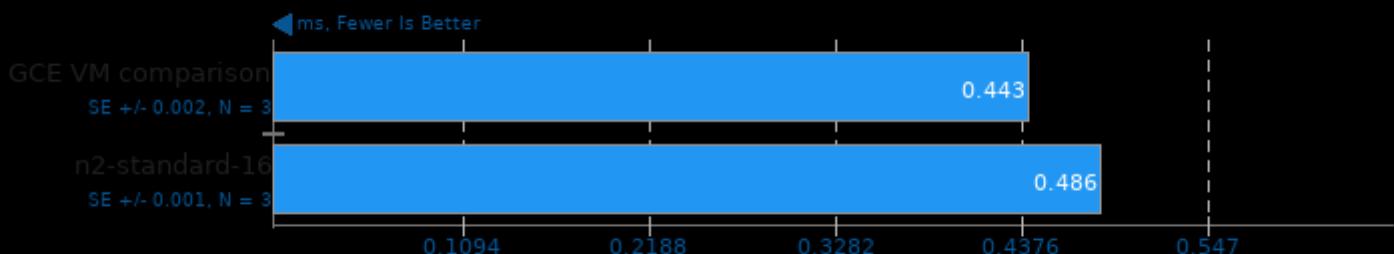
Scaling Factor: 1 - Clients: 100 - Mode: Read Only



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

PostgreSQL pgbench 13.0

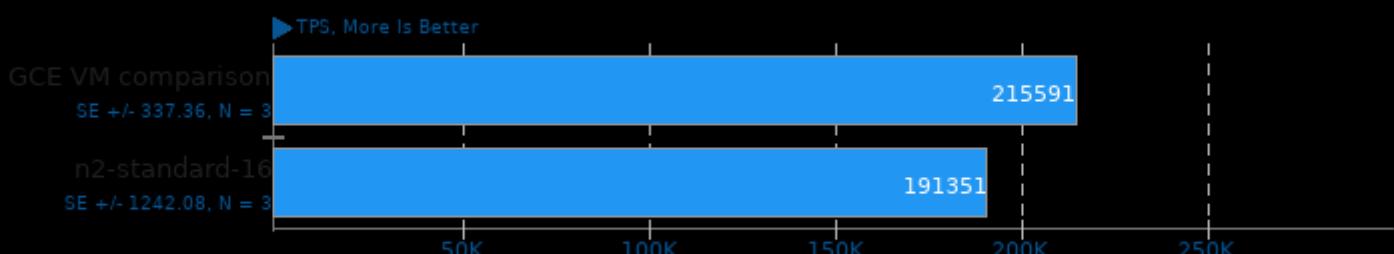
Scaling Factor: 1 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

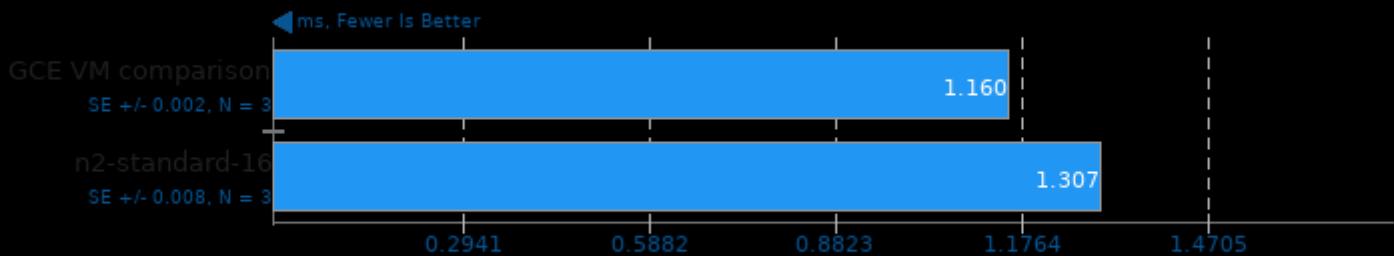
Scaling Factor: 1 - Clients: 250 - Mode: Read Only



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

PostgreSQL pgbench 13.0

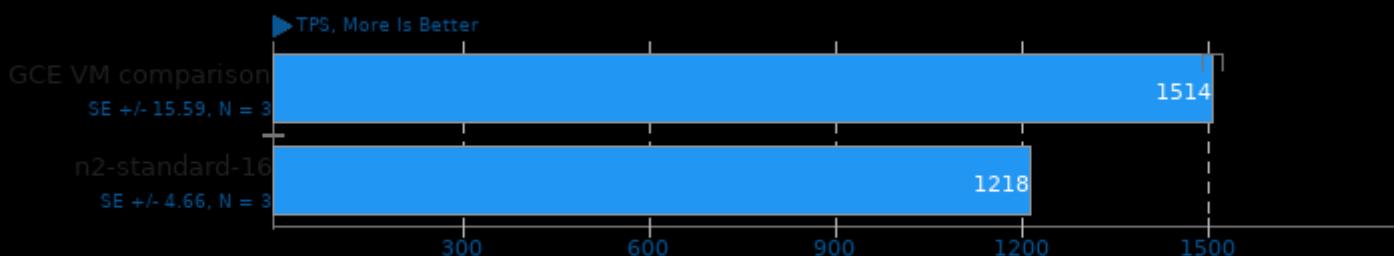
Scaling Factor: 1 - Clients: 250 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

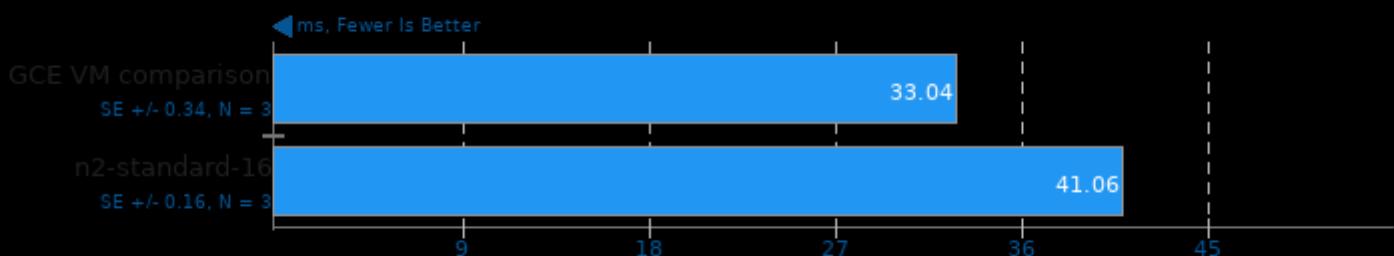
Scaling Factor: 1 - Clients: 50 - Mode: Read Write



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

PostgreSQL pgbench 13.0

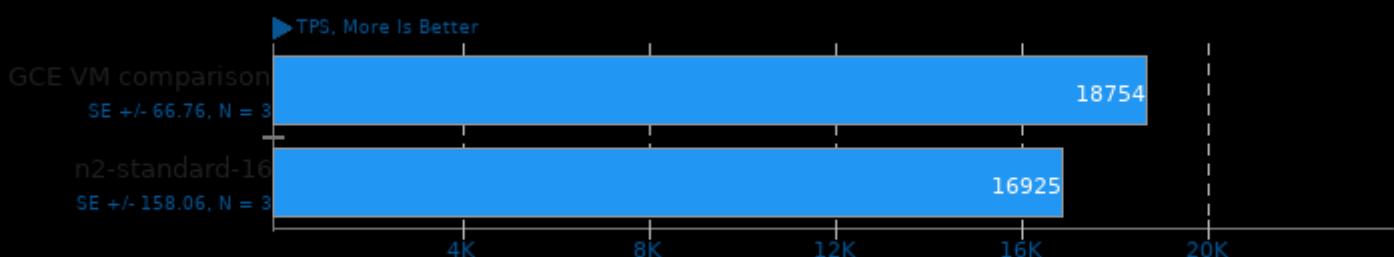
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

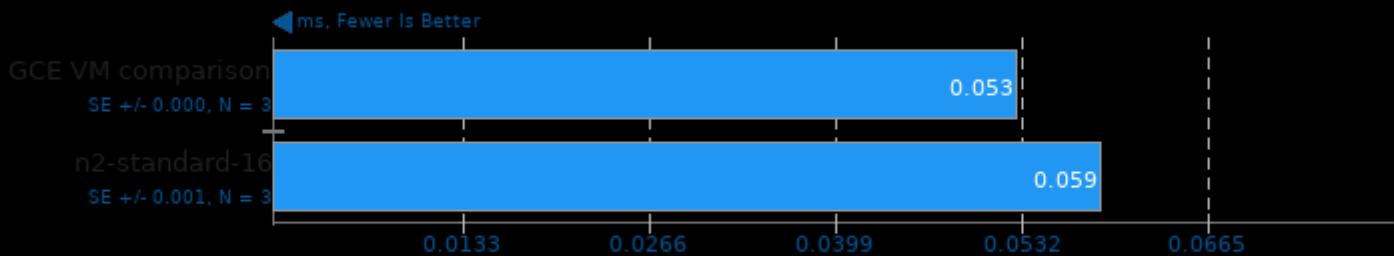
Scaling Factor: 100 - Clients: 1 - Mode: Read Only



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

PostgreSQL pgbench 13.0

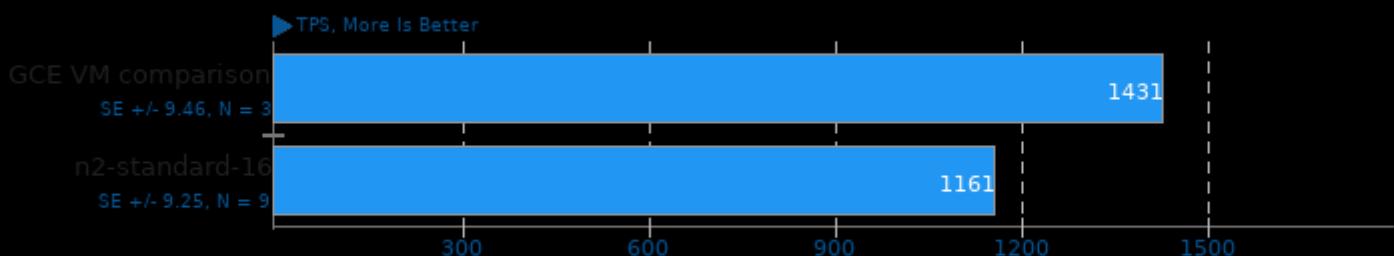
Scaling Factor: 100 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

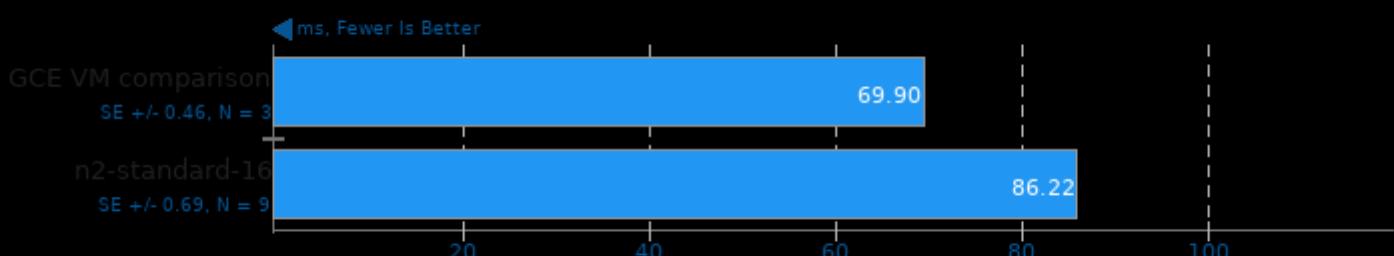
Scaling Factor: 1 - Clients: 100 - Mode: Read Write



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

PostgreSQL pgbench 13.0

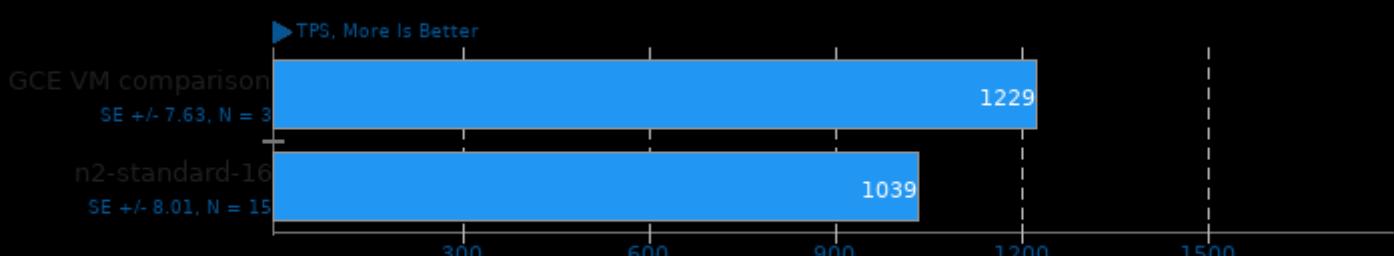
Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

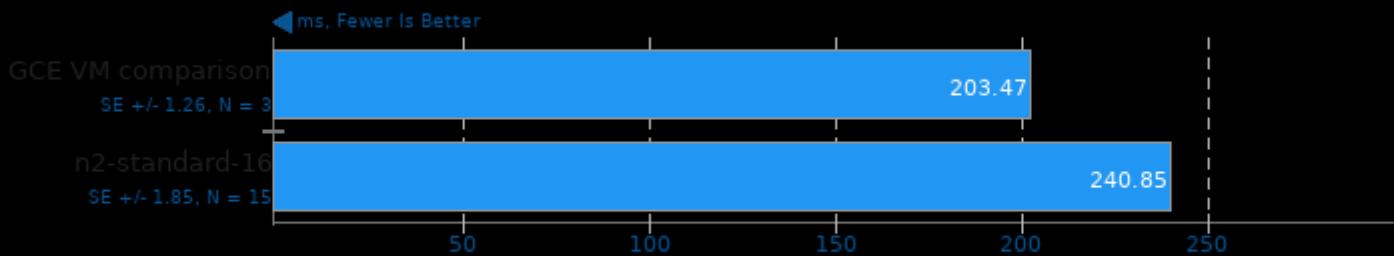
Scaling Factor: 1 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 13.0

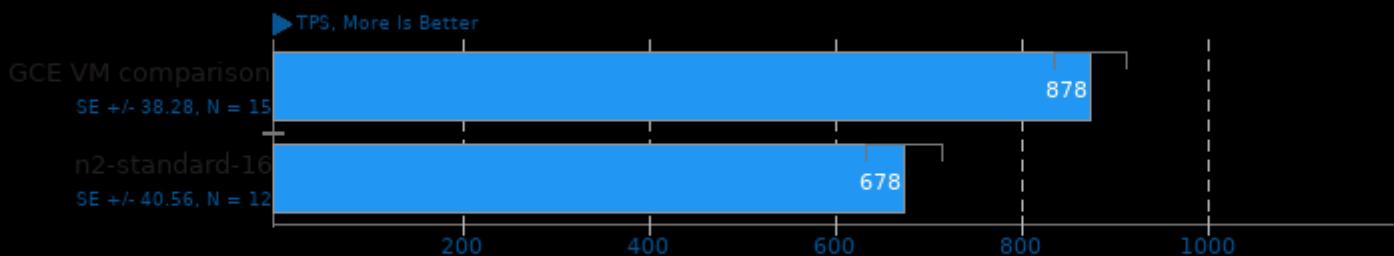
Scaling Factor: 1 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

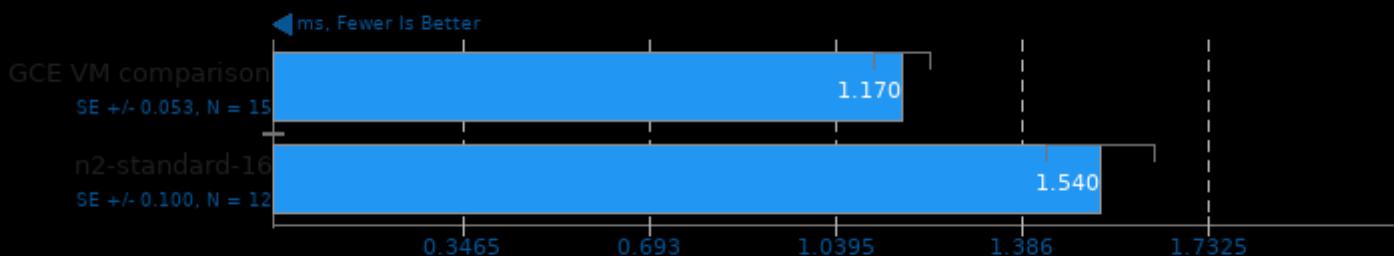
Scaling Factor: 100 - Clients: 1 - Mode: Read Write



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

PostgreSQL pgbench 13.0

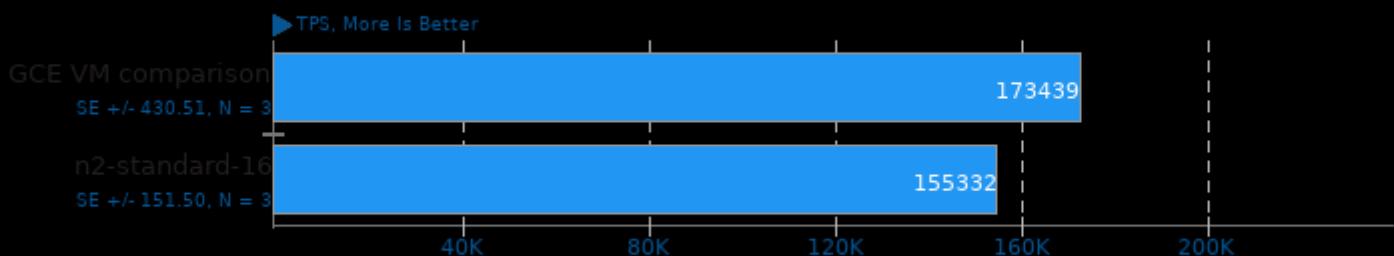
Scaling Factor: 100 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

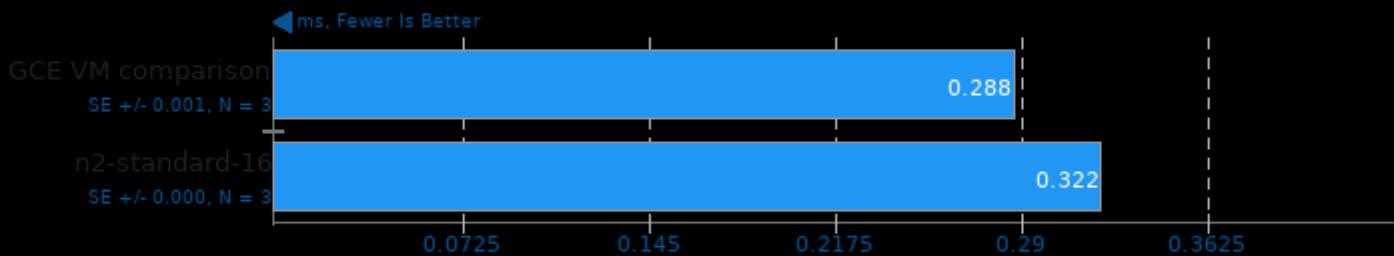
Scaling Factor: 100 - Clients: 50 - Mode: Read Only



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

PostgreSQL pgbench 13.0

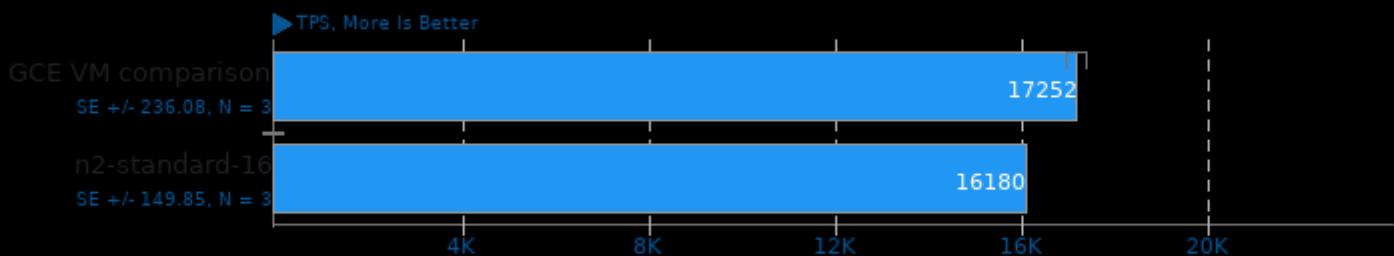
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

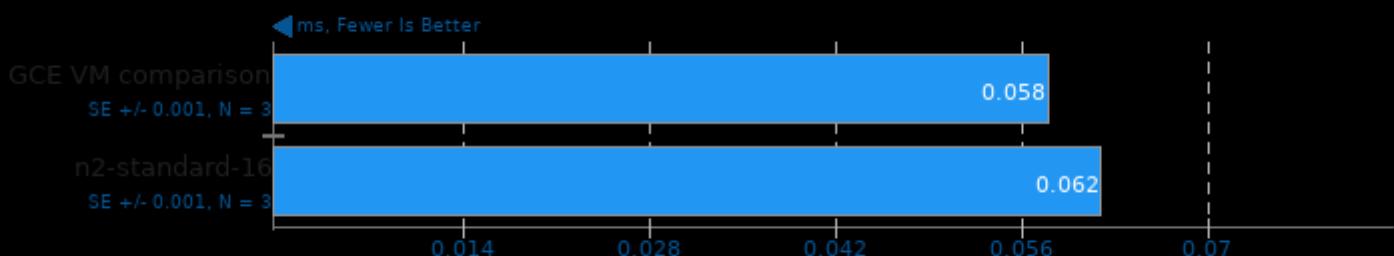
Scaling Factor: 1000 - Clients: 1 - Mode: Read Only



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

PostgreSQL pgbench 13.0

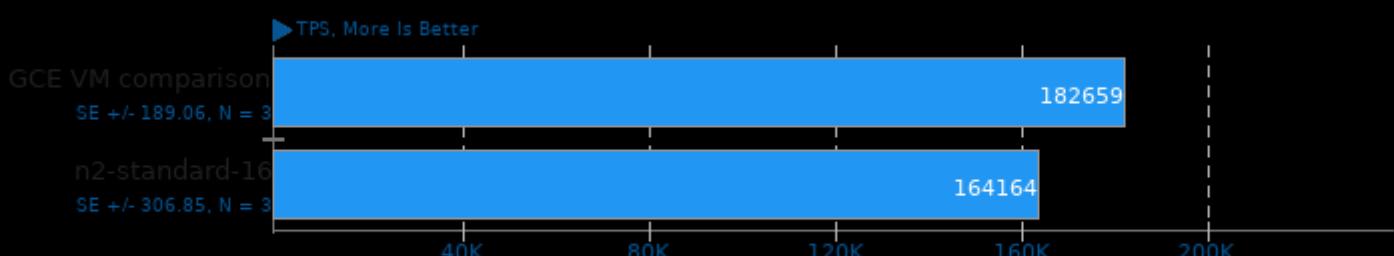
Scaling Factor: 1000 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

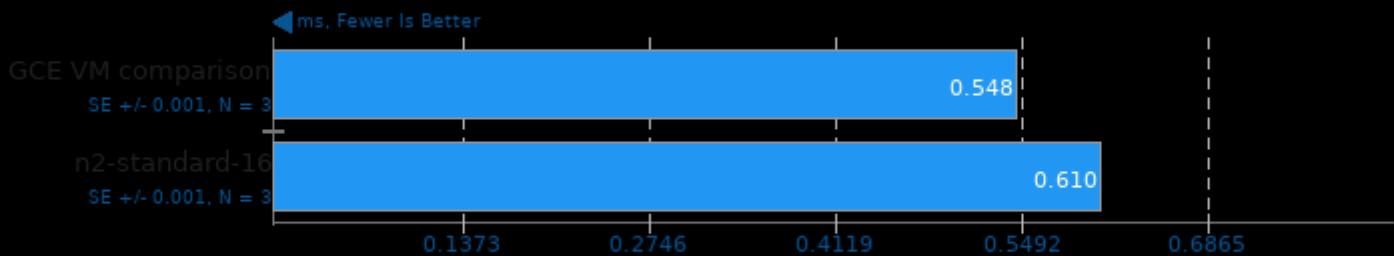
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



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

PostgreSQL pgbench 13.0

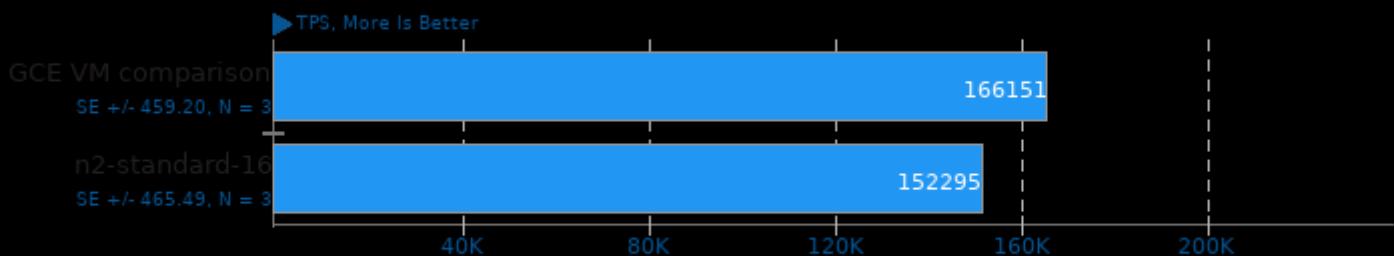
Scaling Factor: 100 - Clients: 100 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 13.0

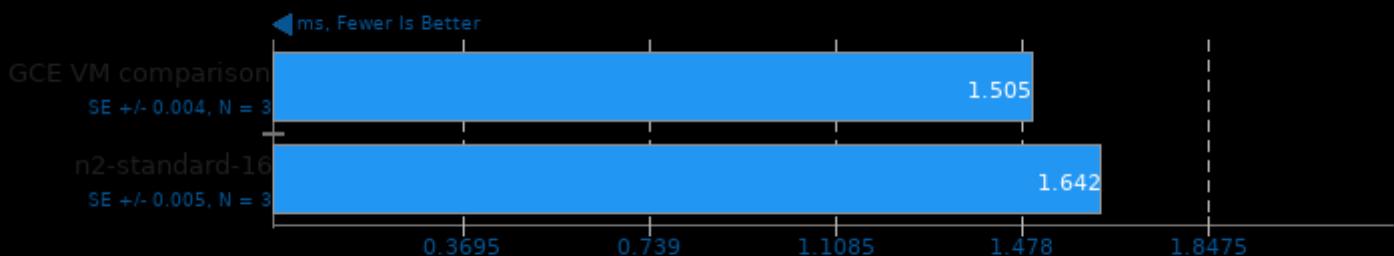
Scaling Factor: 100 - Clients: 250 - Mode: Read Only



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

PostgreSQL pgbench 13.0

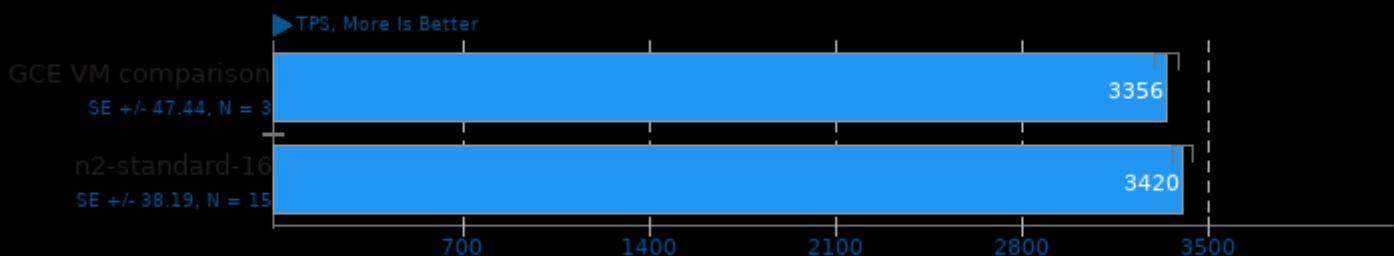
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lgpgcommon -lgpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

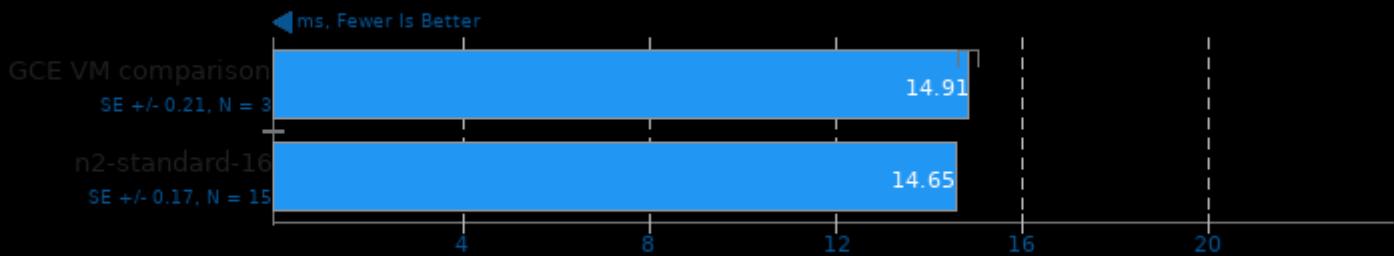
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



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

PostgreSQL pgbench 13.0

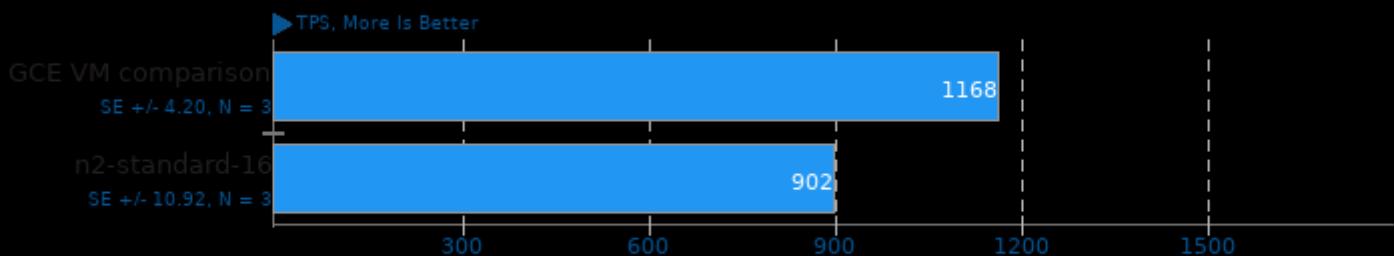
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

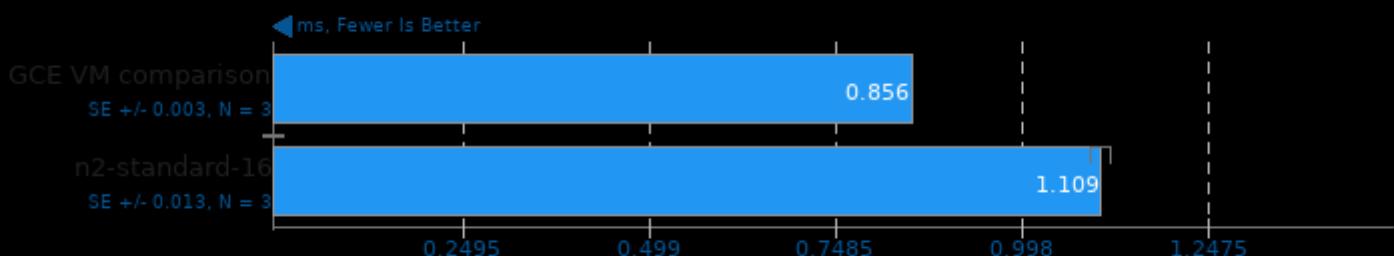
Scaling Factor: 1000 - Clients: 1 - Mode: Read Write



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

PostgreSQL pgbench 13.0

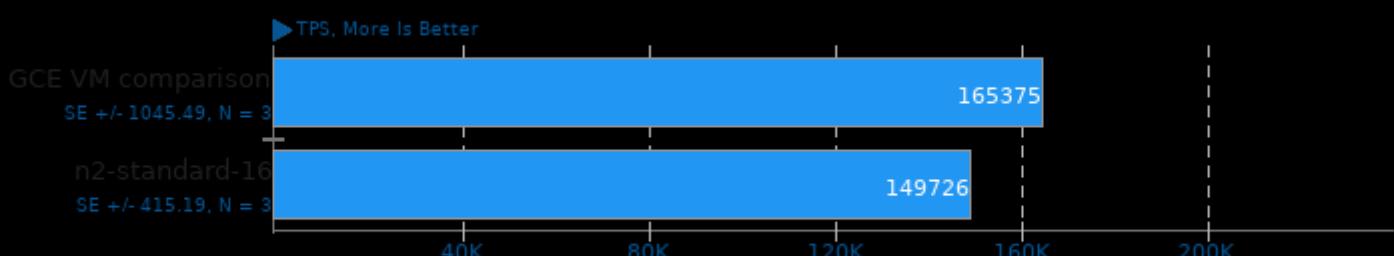
Scaling Factor: 1000 - Clients: 1 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 13.0

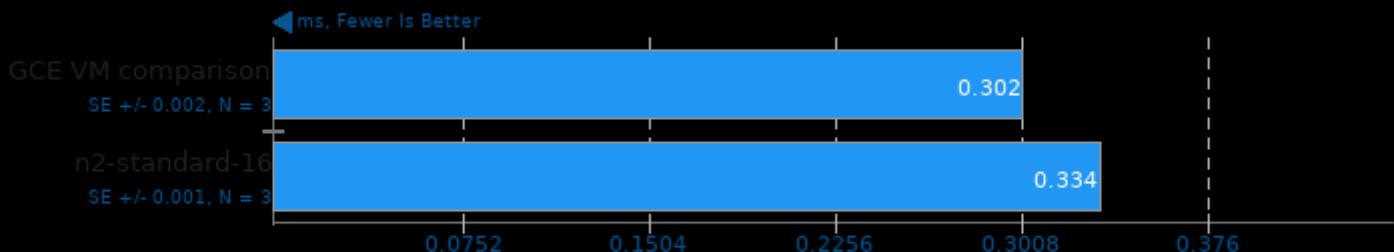
Scaling Factor: 1000 - Clients: 50 - Mode: Read Only



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 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 04:42.