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Intel Core i7-10700T testing with a Logic Supply RXM-181 (Z01-0002A026 BIOS) and Intel UHD 630 CML GT2 3GB on Ubuntu 21.04 via the Phoronix Test Suite.

Automated Executive Summary

1 had the most wins, coming in first place for 50% of the tests.

Based on the geometric mean of all complete results, the fastest (1) was 1.022x the speed of the slowest (2). 3 was 0.987x the speed of 1 and 2 was 0.992x the speed of 3.

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

PostgreSQL pgbench (Scaling Factor: 1 - Clients: 500 - Mode: Read Write - Average Latency) at 1.286x
PostgreSQL pgbench (Scaling Factor: 1 - Clients: 500 - Mode: Read Write) at 1.285x
PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 500 - Mode: Read Write) at 1.217x
PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 500 - Mode: Read Write - Average Latency) at 1.217x
PostgreSQL pgbench (Scaling Factor: 100 - Clients: 500 - Mode: Read Write) at 1.196x
PostgreSQL pgbench (Scaling Factor: 100 - Clients: 500 - Mode: Read Write - Average Latency) at 1.196x
PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 250 - Mode: Read Write) at 1.139x
PostgreSQL pgbench (Scaling Factor: 1000 - Clients: 250 - Mode: Read Write - Average Latency) at 1.139x
PostgreSQL pgbench (Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency) at 1.128x

PostgreSQL pgbench (Scaling Factor: 100 - Clients: 250 - Mode: Read Write) at 1.128x.

Test Systems:

1

2

3

Processor: Intel Core i7-10700T @ 4.50GHz (8 Cores / 16 Threads), Motherboard: Logic Supply RXM-181 (Z01-0002A026 BIOS), Chipset: Intel Comet Lake PCH, Memory: 32GB, Disk: 256GB TS256GMTS800, Graphics: Intel UHD 630 CML GT2 3GB (1200MHz), Audio: Realtek ALC233, Monitor: DELL P2415Q, Network: Intel I219-LM + Intel I210

OS: Ubuntu 21.04, Kernel: 5.11.0-34-generic (x86_64), Desktop: GNOME Shell 3.38.4, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 21.0.1, Vulkan: 1.2.145, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 1920x1080

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_pstate powersave - CPU Microcode: 0xec - Thermald 2.4.3
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/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1	2	3
FLAC Audio Encoding - WAV To FLAC (sec)	**19.432**	**19.695**	19.633
Normalized	100%	98.66%	98.98%
Cpuminer-Opt - Magi (kH/s)	142.54	**143.29**	**139.5**
Normalized	99.48%	100%	97.36%
Cpuminer-Opt - x25x (kH/s)	**150.99**	**148.54**	150.97
Normalized	100%	98.38%	99.99%
Cpuminer-Opt - Deepcoin (kH/s)	**4529**	**4739**	4535
Normalized	95.57%	100%	95.7%
Cpuminer-Opt - Ringcoin (kH/s)	**966.21**	**1009**	976.94
Normalized	95.76%	100%	96.83%
Cpuminer-Opt - Blake-2 S (kH/s)	**167790**	159340	**158090**
Normalized	100%	94.96%	94.22%
Cpuminer-Opt - Garlicoin (kH/s)	**1200**	1205	**1242**

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Normalized	96.69%	97.07%	100%
Cpuminer-Opt - Skeincoin (kH/s)	20800	19970	20100
Normalized	100%	96.01%	96.63%
Cpuminer-Opt - Myriad-Groestl (kH/s)	6654	6634	6795
Normalized	97.93%	97.63%	100%
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	12660	12810	12660
Normalized	98.83%	100%	98.83%
Cpuminer-Opt - Q.S.2.P (kH/s)	22080	23210	23080
Normalized	95.13%	100%	99.44%
Cpuminer-Opt - T.S.2.O (kH/s)	29760	30970	32390
Normalized	91.88%	95.62%	100%
PostgreSQL pgbench - 1 - 1 - Read Only	22308	22155	22020
Normalized	100%	99.31%	98.71%
PostgreSQL pgbench - 1 - 1 - Read Only - Average Latency (ms)	0.045	0.045	0.045
PostgreSQL pgbench - 1 - 1 - Read Write	373	375	375
Normalized	99.47%	100%	100%
PostgreSQL pgbench - 1 - 1 - Read Write - Average Latency (ms)	2.678	2.663	2.666
Normalized	99.44%	100%	99.89%
PostgreSQL pgbench - 1 - 50 - Read Only (TPS)	150502	149673	149455
Normalized	100%	99.45%	99.3%
PostgreSQL pgbench - 1 - 50 - Read Only - Average Latency (ms)	0.332	0.334	0.335
Normalized	100%	99.4%	99.1%
PostgreSQL pgbench - 1 - 100 - Read Only (TPS)	147552	148189	148450
Normalized	99.4%	99.82%	100%
PostgreSQL pgbench - 1 - 100 - Read Only - Average Latency (ms)	0.678	0.675	0.674
Normalized	99.41%	99.85%	100%
PostgreSQL pgbench - 1 - 250 - Read Only (TPS)	138872	138157	138654
Normalized	100%	99.49%	99.84%
PostgreSQL pgbench - 1 - 250 - Read Only - Average Latency (ms)	1.8	1.81	1.803
Normalized	100%	99.45%	99.83%
PostgreSQL pgbench - 1 - 50 - Read Write (TPS)	482	483	482
Normalized	99.79%	100%	99.79%
PostgreSQL pgbench - 1 - 50 - Read Write - Average Latency (ms)	103.721	103.536	103.722
Normalized	99.82%	100%	99.82%
PostgreSQL pgbench - 1 - 500 - Read Only (TPS)	136249	135704	136431
Normalized	99.87%	99.47%	100%
PostgreSQL pgbench - 1 - 500 - Read Only - Average Latency (ms)	3.67	3.684	3.665
Normalized	99.86%	99.48%	100%

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PostgreSQL pgbench - 100 - 1 - Read Only (TPS)	**21177**	**21724**	21564
Normalized	97.48%	100%	99.26%
PostgreSQL pgbench - 100 - 1 - Read Only - Average Latency (ms)	**0.047**	**0.046**	**0.046**
Normalized	97.87%	100%	100%
PostgreSQL pgbench - 1 - 100 - Read Write (TPS)	444	**443**	**449**
Normalized	98.89%	98.66%	100%
PostgreSQL pgbench - 1 - 100 - Read Write - Average Latency (ms)	225.055	**225.911**	**222.635**
Normalized	98.92%	98.55%	100%
PostgreSQL pgbench - 1 - 250 - Read Write (TPS)	**344**	**371**	362
Normalized	92.72%	100%	97.57%
PostgreSQL pgbench - 1 - 250 - Read Write - Average Latency (ms)	**727.615**	**673.546**	690.434
Normalized	92.57%	100%	97.55%
PostgreSQL pgbench - 1 - 500 - Read Write (TPS)	304	**263**	**338**
Normalized	89.94%	77.81%	100%
PostgreSQL pgbench - 1 - 500 - Read Write - Average Latency (ms)	1646	**1902**	**1479**
Normalized	89.89%	77.76%	100%
PostgreSQL pgbench - 100 - 1 - Read Write (TPS)	349	**348**	**350**
Normalized	99.71%	99.43%	100%
PostgreSQL pgbench - 100 - 1 - Read Write - Average Latency (ms)	2.862	**2.87**	**2.861**
Normalized	99.97%	99.69%	100%
PostgreSQL pgbench - 100 - 50 - Read Only (TPS)	**145004**	**144166**	144313
Normalized	100%	99.42%	99.52%
PostgreSQL pgbench - 100 - 50 - Read Only - Average Latency (ms)	**0.345**	**0.347**	0.346
Normalized	100%	99.42%	99.71%
PostgreSQL pgbench - 1000 - 1 - Read Only (TPS)	**19191**	**19441**	19361
Normalized	98.71%	100%	99.59%
PostgreSQL pgbench - 1000 - 1 - Read Only - Average Latency (ms)	**0.052**	**0.051**	**0.052**
Normalized	98.08%	100%	98.08%
PostgreSQL pgbench - 100 - 100 - Read Only (TPS)	**143884**	**143604**	143851
Normalized	100%	99.81%	99.98%
PostgreSQL pgbench - 100 - 100 - Read Only - Average Latency (ms)	**0.695**	**0.696**	**0.695**
Normalized	100%	99.86%	100%
PostgreSQL pgbench - 100 - 250 - Read Only (TPS)	132234	**130763**	**132942**
Normalized	99.47%	98.36%	100%

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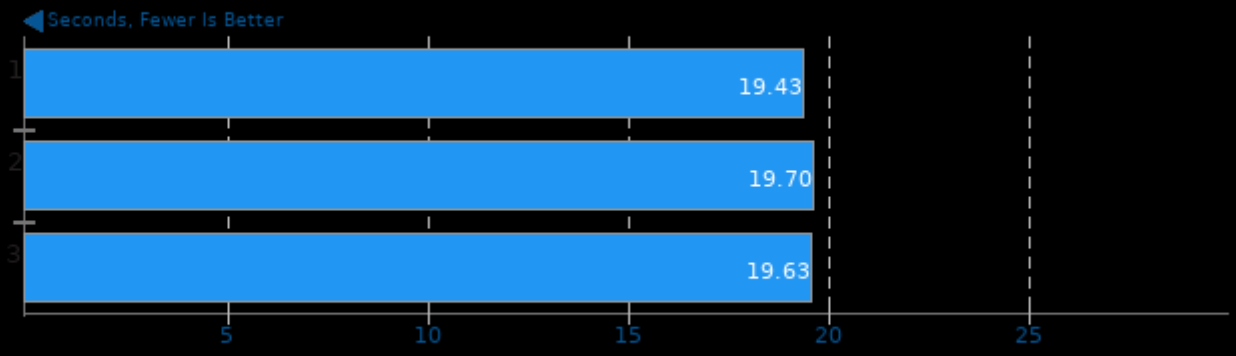
PostgreSQL pgbench - 100 - 250 - Read Only - Average Latency (ms)	1.891	**1.912**	**1.881**
Normalized	99.47%	98.38%	100%
PostgreSQL pgbench - 100 - 50 - Read Write (TPS)	**4863**	**4495**	4519
Normalized	100%	92.43%	92.93%
PostgreSQL pgbench - 100 - 50 - Read Write - Average Latency (ms)	**10.282**	**11.125**	11.063
Normalized	100%	92.42%	92.94%
PostgreSQL pgbench - 100 - 500 - Read Only (TPS)	**126469**	**124801**	125464
Normalized	100%	98.68%	99.21%
PostgreSQL pgbench - 100 - 500 - Read Only - Average Latency (ms)	**3.954**	**4.006**	3.985
Normalized	100%	98.7%	99.22%
PostgreSQL pgbench - 1000 - 1 - Read Write (TPS)	**334**	**317**	326
Normalized	100%	94.91%	97.6%
PostgreSQL pgbench - 1000 - 1 - Read Write - Average Latency (ms)	**2.995**	**3.153**	3.071
Normalized	100%	94.99%	97.53%
PostgreSQL pgbench - 1000 - 50 - Read Only (TPS)	**130877**	130986	**131402**
Normalized	99.6%	99.68%	100%
PostgreSQL pgbench - 1000 - 50 - Read Only - Average Latency (ms)	**0.382**	**0.382**	**0.381**
Normalized	99.74%	99.74%	100%
PostgreSQL pgbench - 100 - 100 - Read Write (TPS)	**6165**	**5680**	5754
Normalized	100%	92.13%	93.33%
PostgreSQL pgbench - 100 - 100 - Read Write - Average Latency (ms)	**16.222**	**17.606**	17.378
Normalized	100%	92.14%	93.35%
PostgreSQL pgbench - 100 - 250 - Read Write (TPS)	**6831**	6146	**6056**
Normalized	100%	89.97%	88.65%
PostgreSQL pgbench - 100 - 250 - Read Write - Average Latency (ms)	**36.598**	40.679	**41.284**
Normalized	100%	89.97%	88.65%
PostgreSQL pgbench - 100 - 500 - Read Write (TPS)	**6844**	6050	**5722**
Normalized	100%	88.4%	83.61%
PostgreSQL pgbench - 100 - 500 - Read Write - Average Latency (ms)	**73.055**	82.645	**87.379**
Normalized	100%	88.4%	83.61%
PostgreSQL pgbench - 1000 - 100 - Read Only (TPS)	**132821**	**134422**	133247
Normalized	98.81%	100%	99.13%
PostgreSQL pgbench - 1000 - 100 - Read Only - Average Latency (ms)	**0.753**	**0.744**	0.75
Normalized	98.8%	100%	99.2%

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PostgreSQL pgbench - 1000 - 250 - Read Only (TPS)	**126667**	**121190**	125355
Normalized	100%	95.68%	98.96%
PostgreSQL pgbench - 1000 - 250 - Read Only - Average Latency (ms)	**1.974**	**2.063**	1.994
Normalized	100%	95.69%	99%
PostgreSQL pgbench - 1000 - 50 - Read Write (TPS)	**2972**	3140	**3156**
Normalized	94.17%	99.49%	100%
PostgreSQL pgbench - 1000 - 50 - Read Write - Average Latency (ms)	**16.822**	15.923	**15.844**
Normalized	94.19%	99.5%	100%
PostgreSQL pgbench - 1000 - 500 - Read Only (TPS)	**112440**	110372	**108460**
Normalized	100%	98.16%	96.46%
PostgreSQL pgbench - 1000 - 500 - Read Only - Average Latency (ms)	**4.447**	4.53	**4.61**
Normalized	100%	98.17%	96.46%
PostgreSQL pgbench - 1000 - 100 - Read Write (TPS)	**3168**	**3065**	3157
Normalized	100%	96.75%	99.65%
PostgreSQL pgbench - 1000 - 100 - Read Write - Average Latency (ms)	**31.57**	**32.626**	31.678
Normalized	100%	96.76%	99.66%
PostgreSQL pgbench - 1000 - 250 - Read Write (TPS)	**3638**	**3194**	3501
Normalized	100%	87.8%	96.23%
PostgreSQL pgbench - 1000 - 250 - Read Write - Average Latency (ms)	**68.716**	**78.268**	71.413
Normalized	100%	87.8%	96.22%
PostgreSQL pgbench - 1000 - 500 - Read Write (TPS)	**4304**	3771	**3536**
Normalized	100%	87.62%	82.16%
PostgreSQL pgbench - 1000 - 500 - Read Write - Average Latency (ms)	**116.182**	132.589	**141.398**
Normalized	100%	87.63%	82.17%

FLAC Audio Encoding 1.3.3

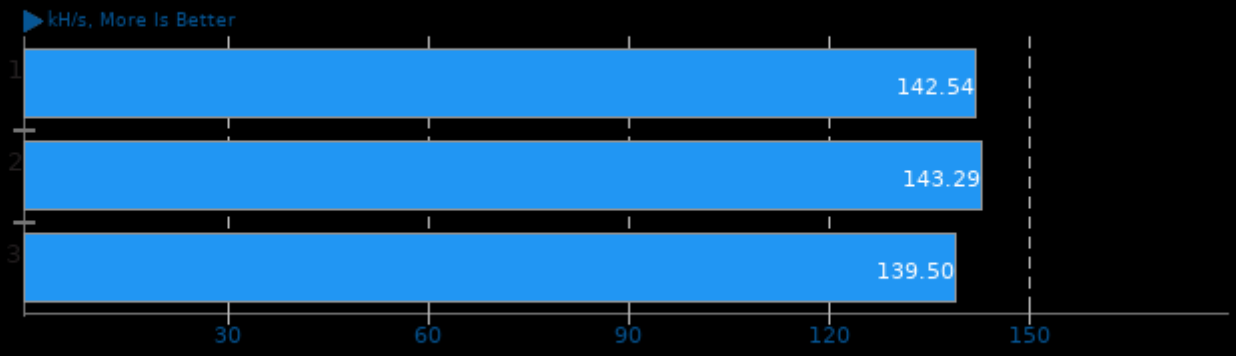
WAV To FLAC



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

Cpuminer-Opt 3.18

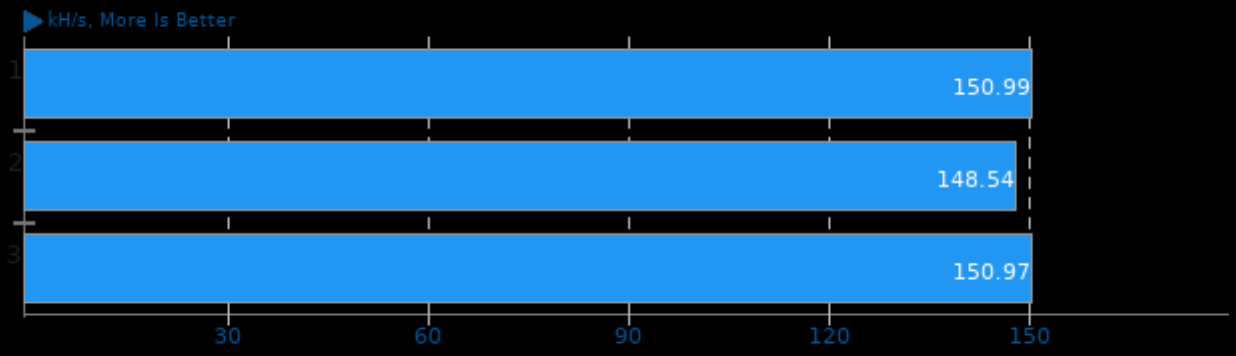
Algorithm: Magi



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

Cpuminer-Opt 3.18

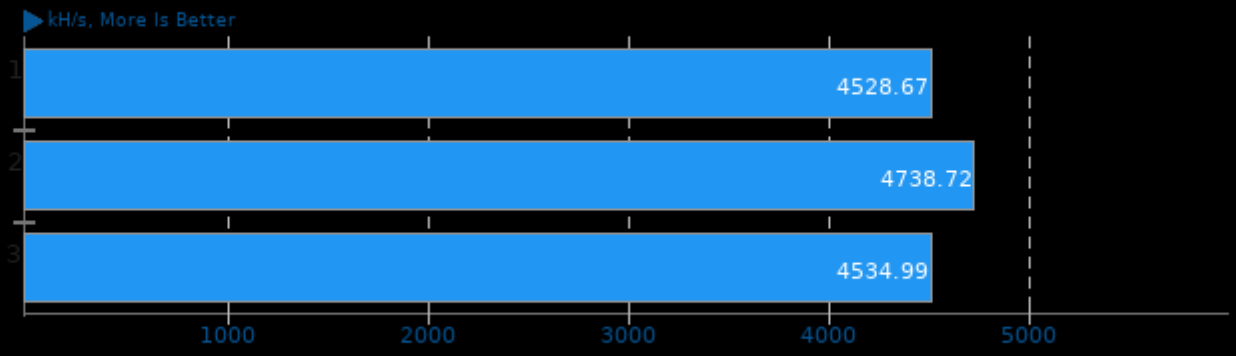
Algorithm: x25x



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

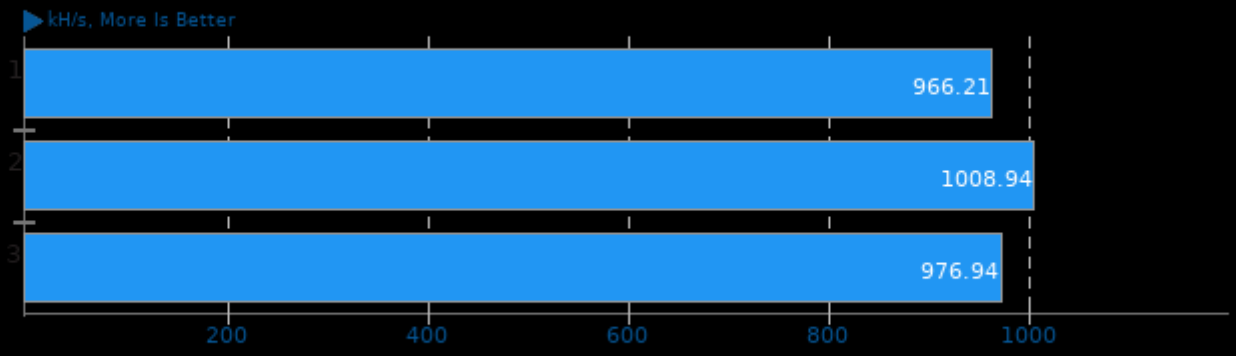
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Cpuminer-Opt 3.18
Algorithm: Deepcoin



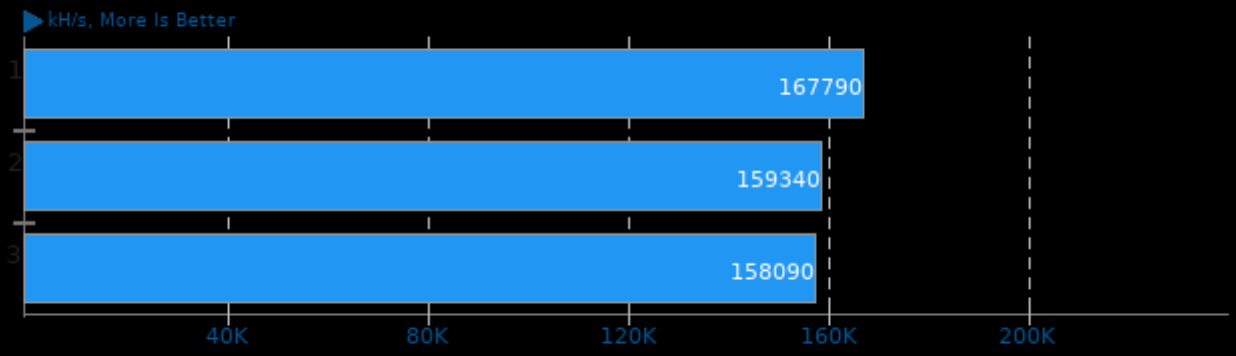
1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18
Algorithm: Ringcoin



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

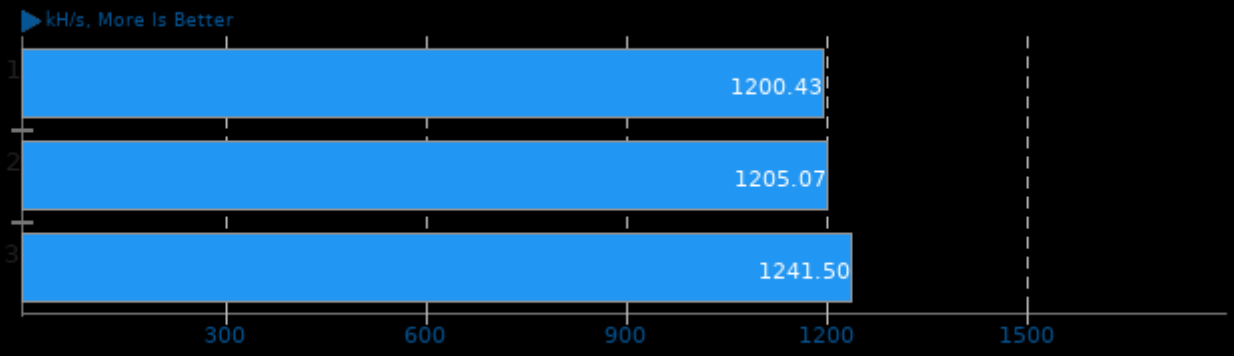
Cpuminer-Opt 3.18
Algorithm: Blake-2 S



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

Cpuminer-Opt 3.18

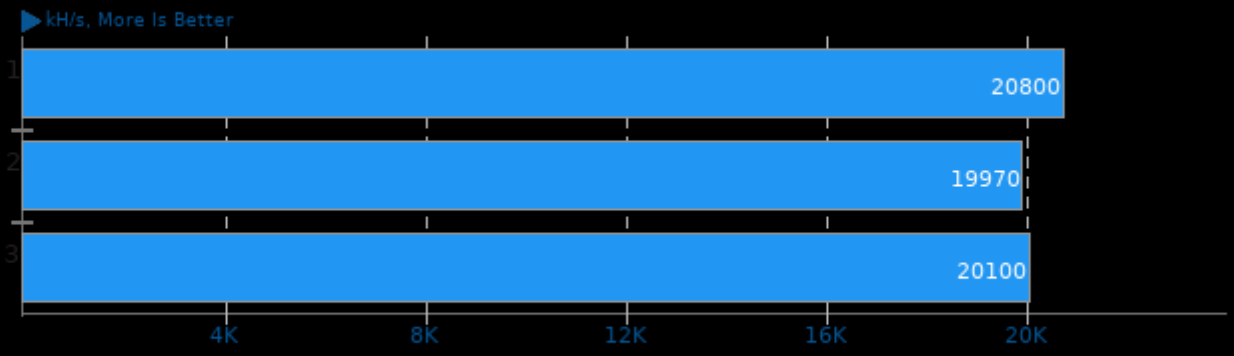
Algorithm: Garlicoin



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

Cpuminer-Opt 3.18

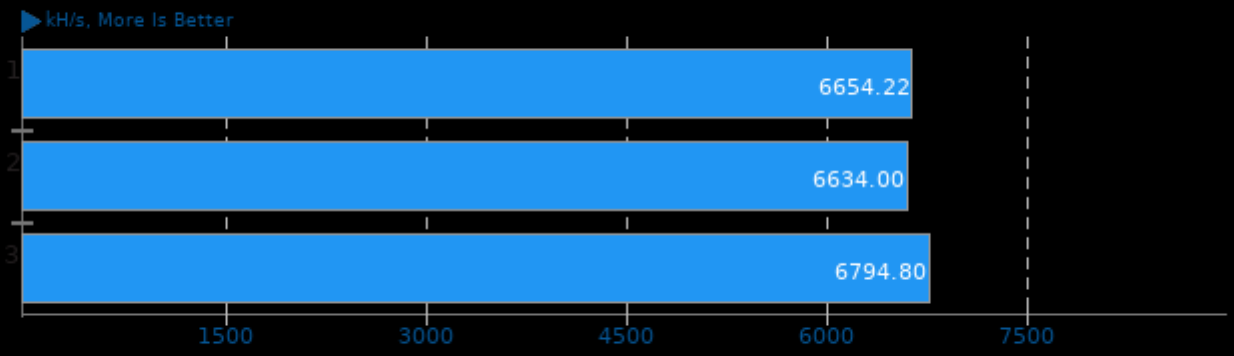
Algorithm: Skeincoin



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

Cpuminer-Opt 3.18

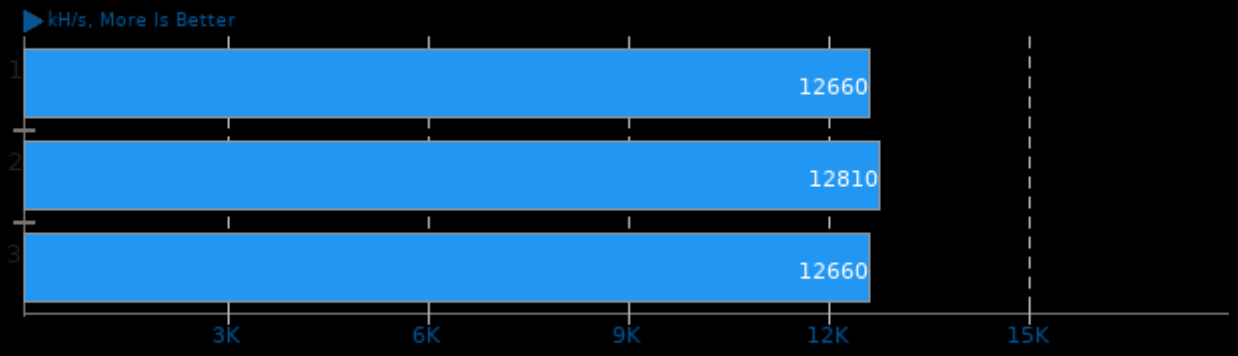
Algorithm: Myriad-Groestl



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

Cpuminer-Opt 3.18

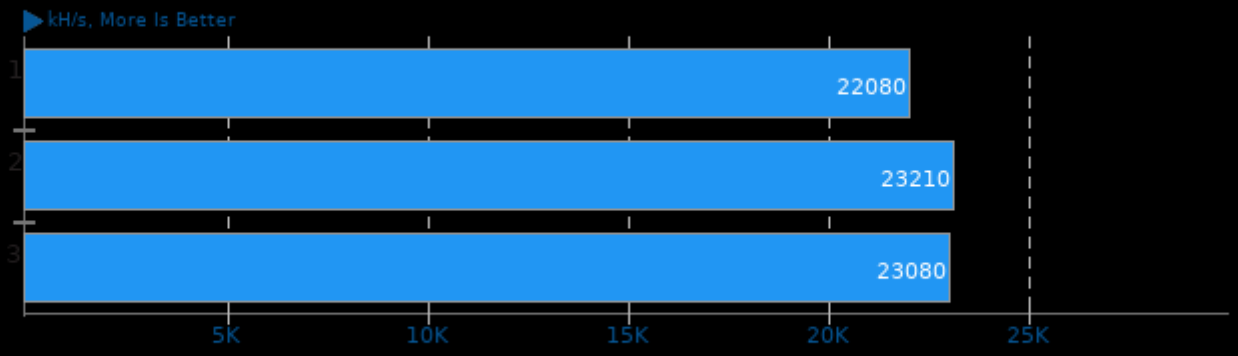
Algorithm: LBC, LBRY Credits



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

Cpuminer-Opt 3.18

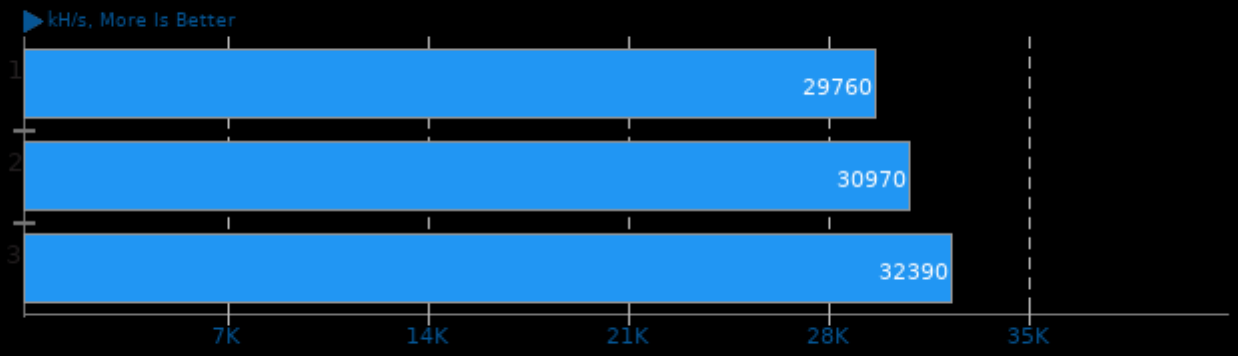
Algorithm: Quad SHA-256, Pyrite



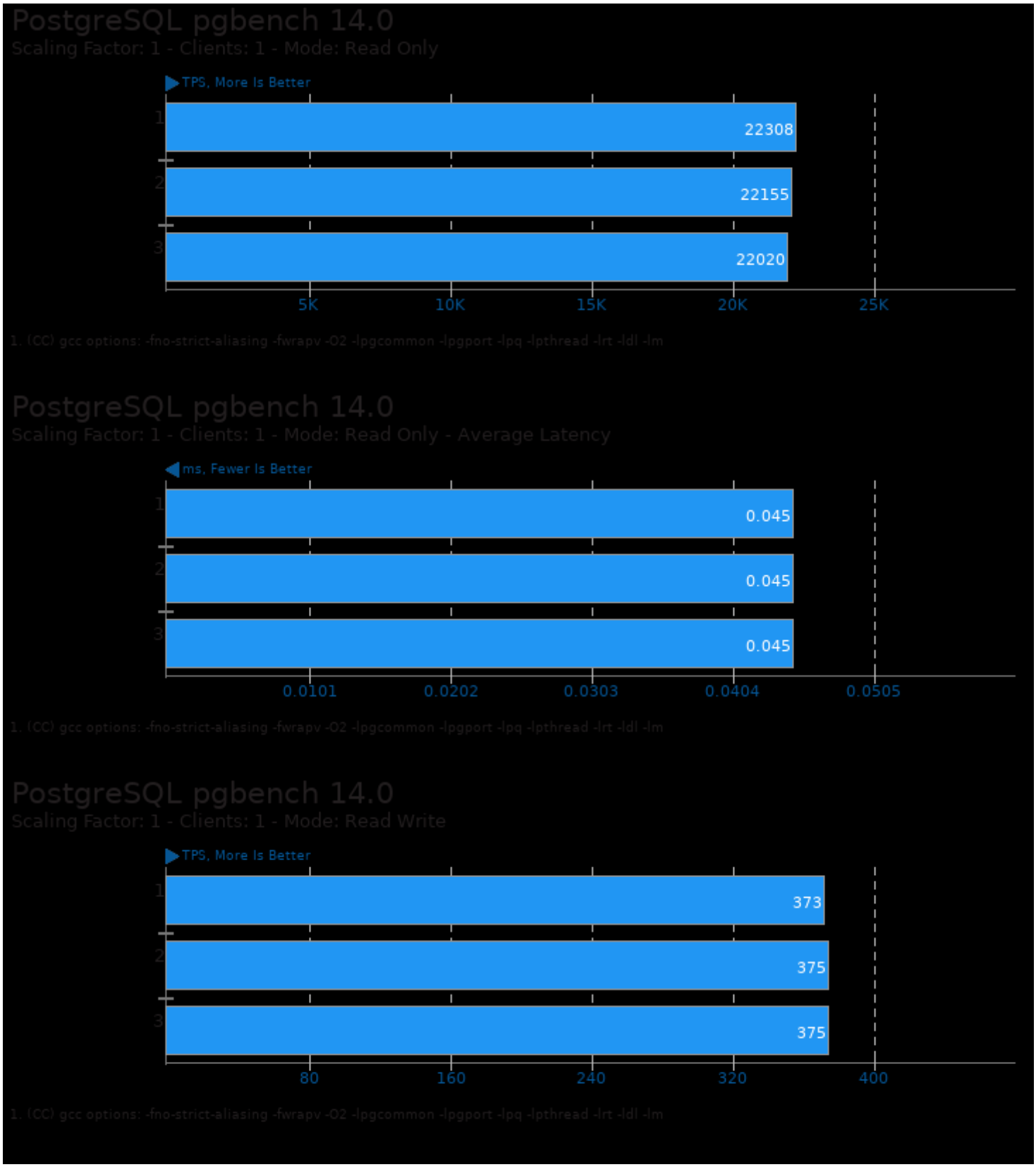
1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

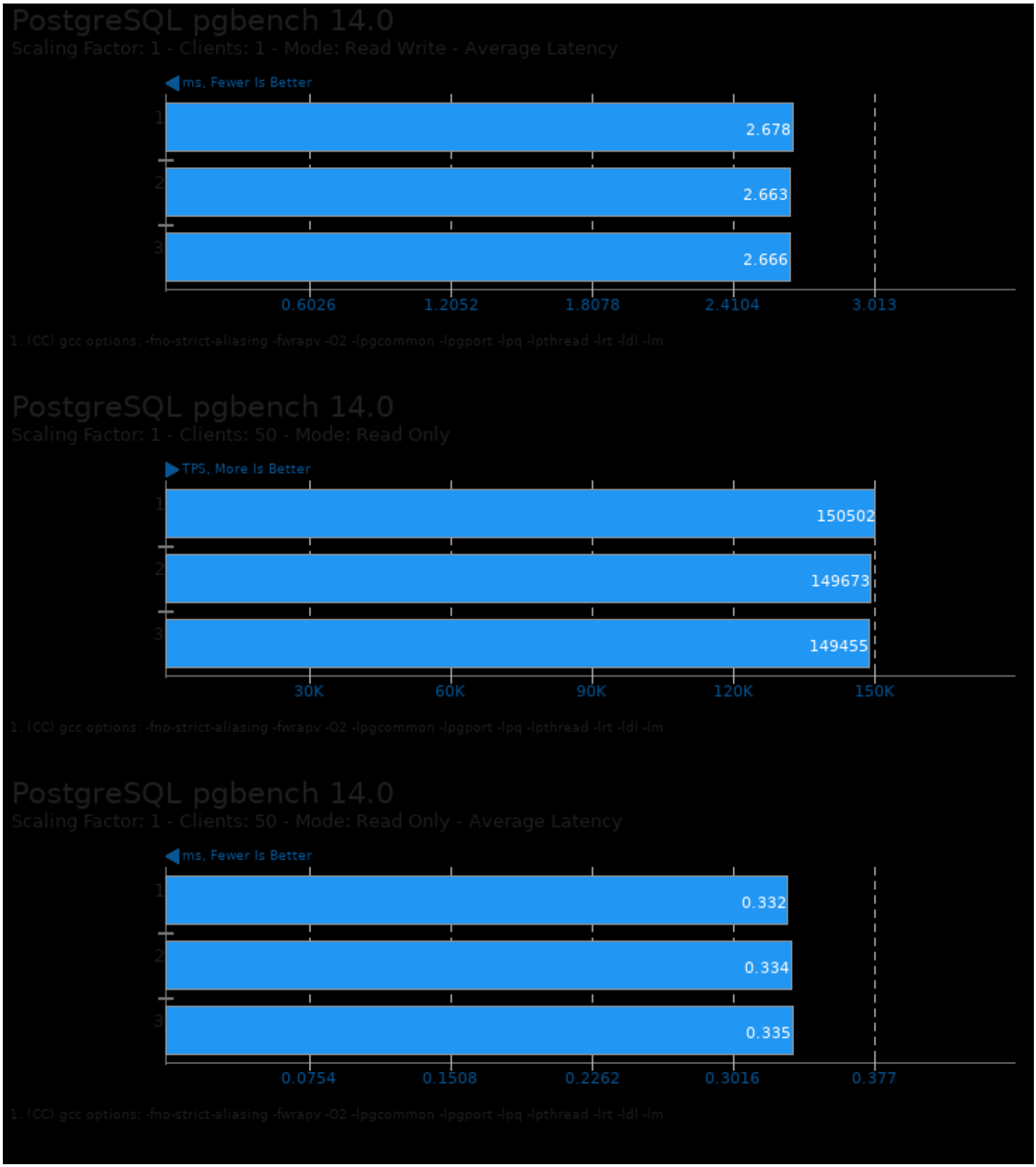
Cpuminer-Opt 3.18

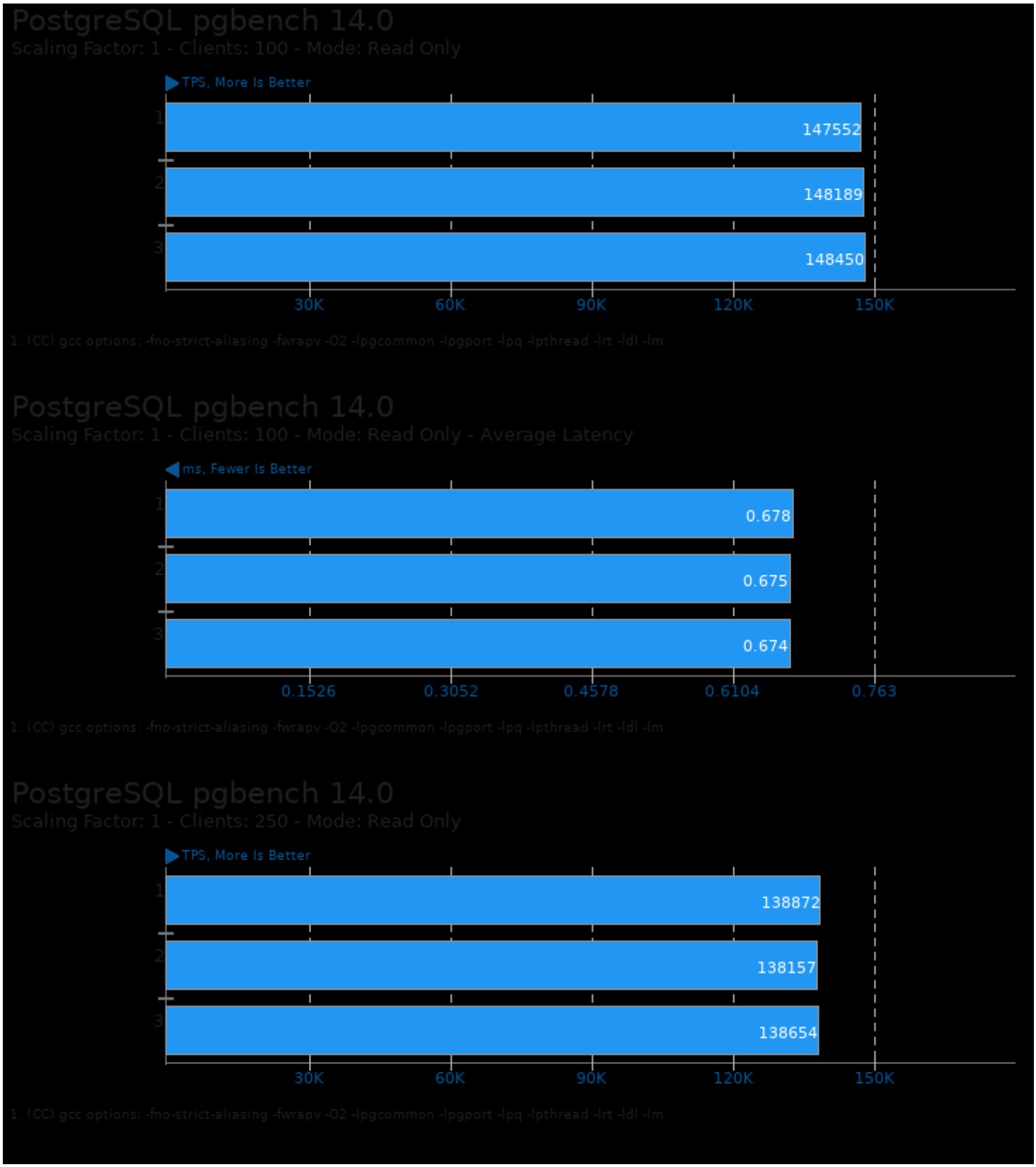
Algorithm: Triple SHA-256, Onecoin

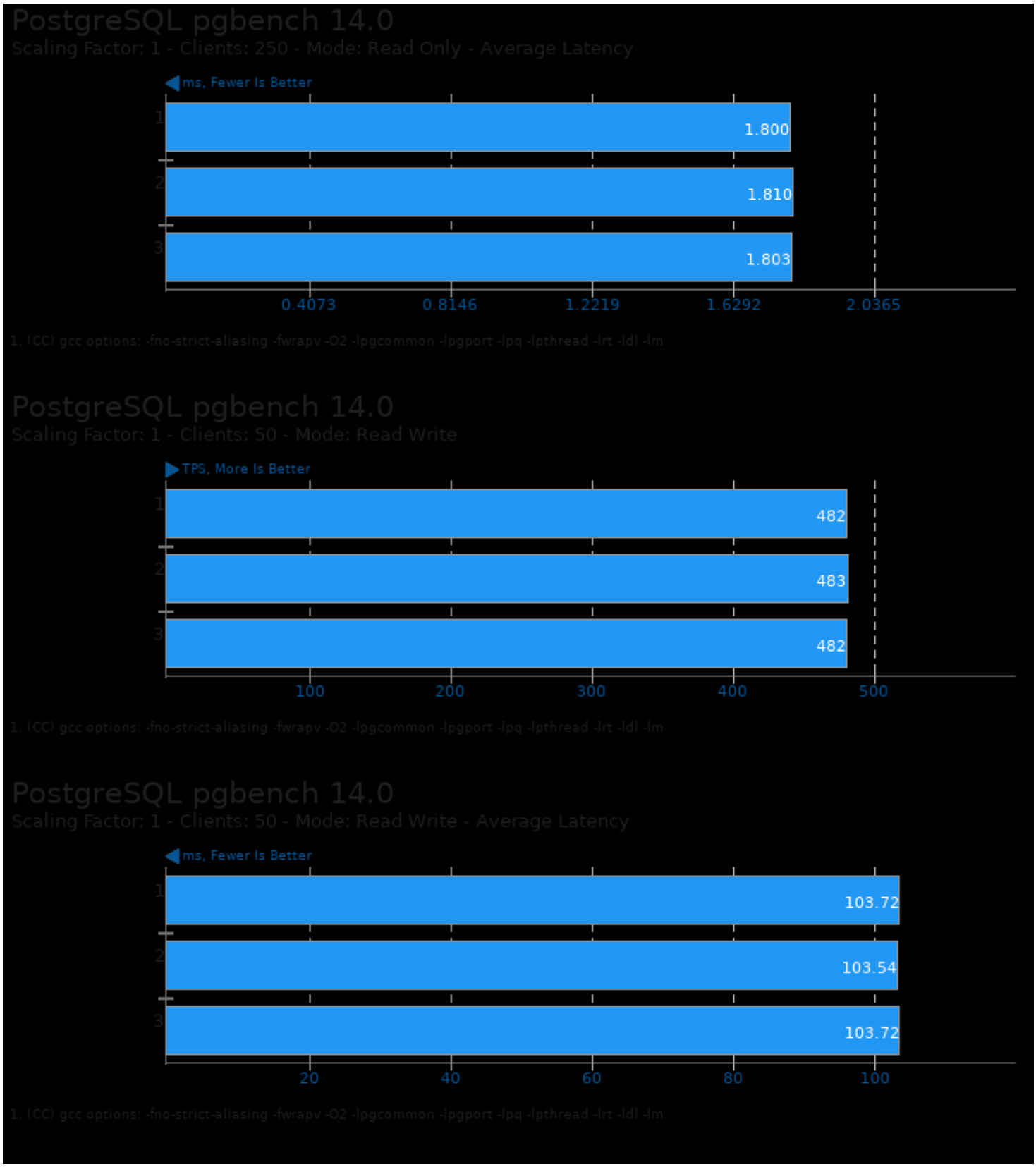


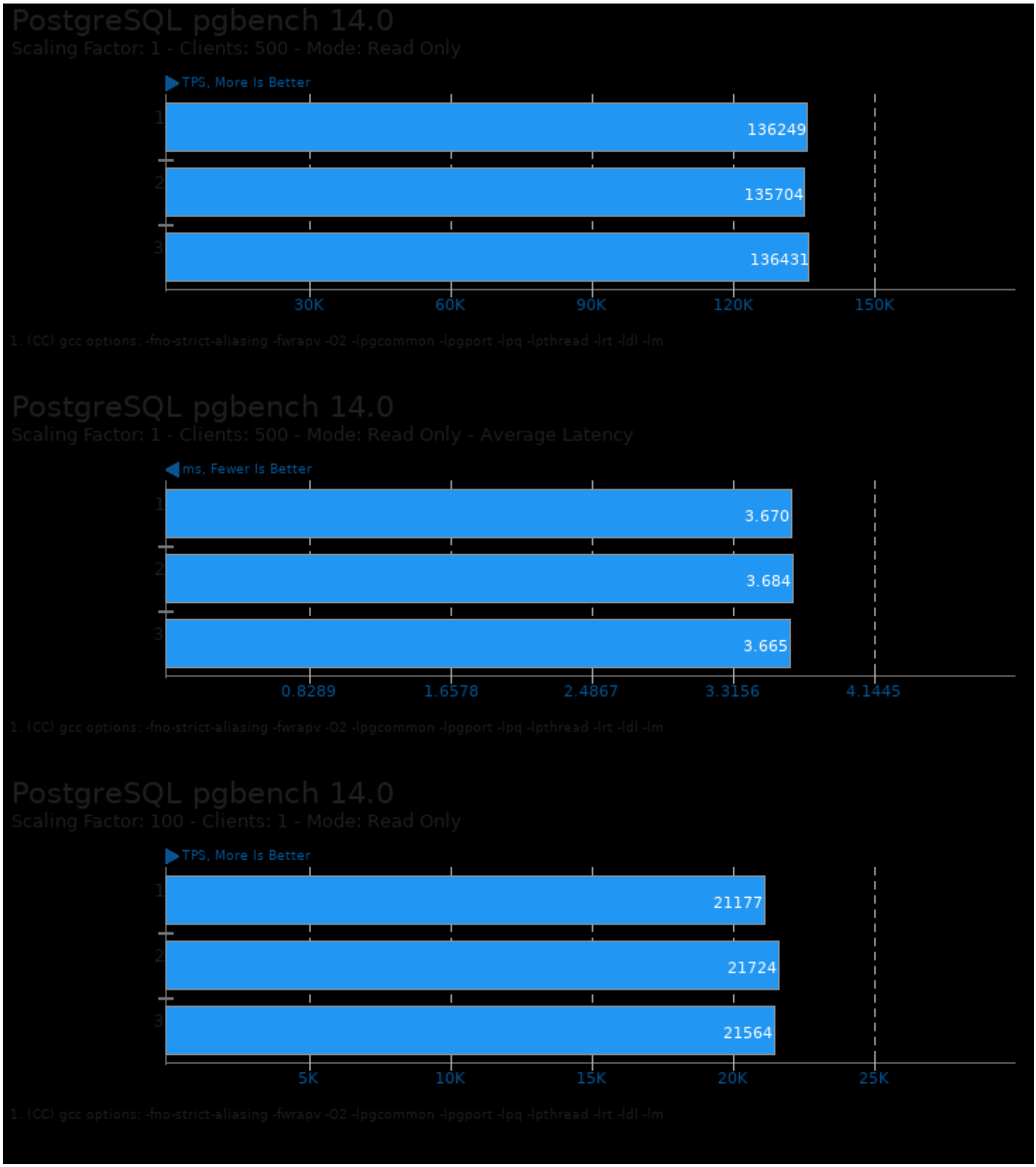
1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

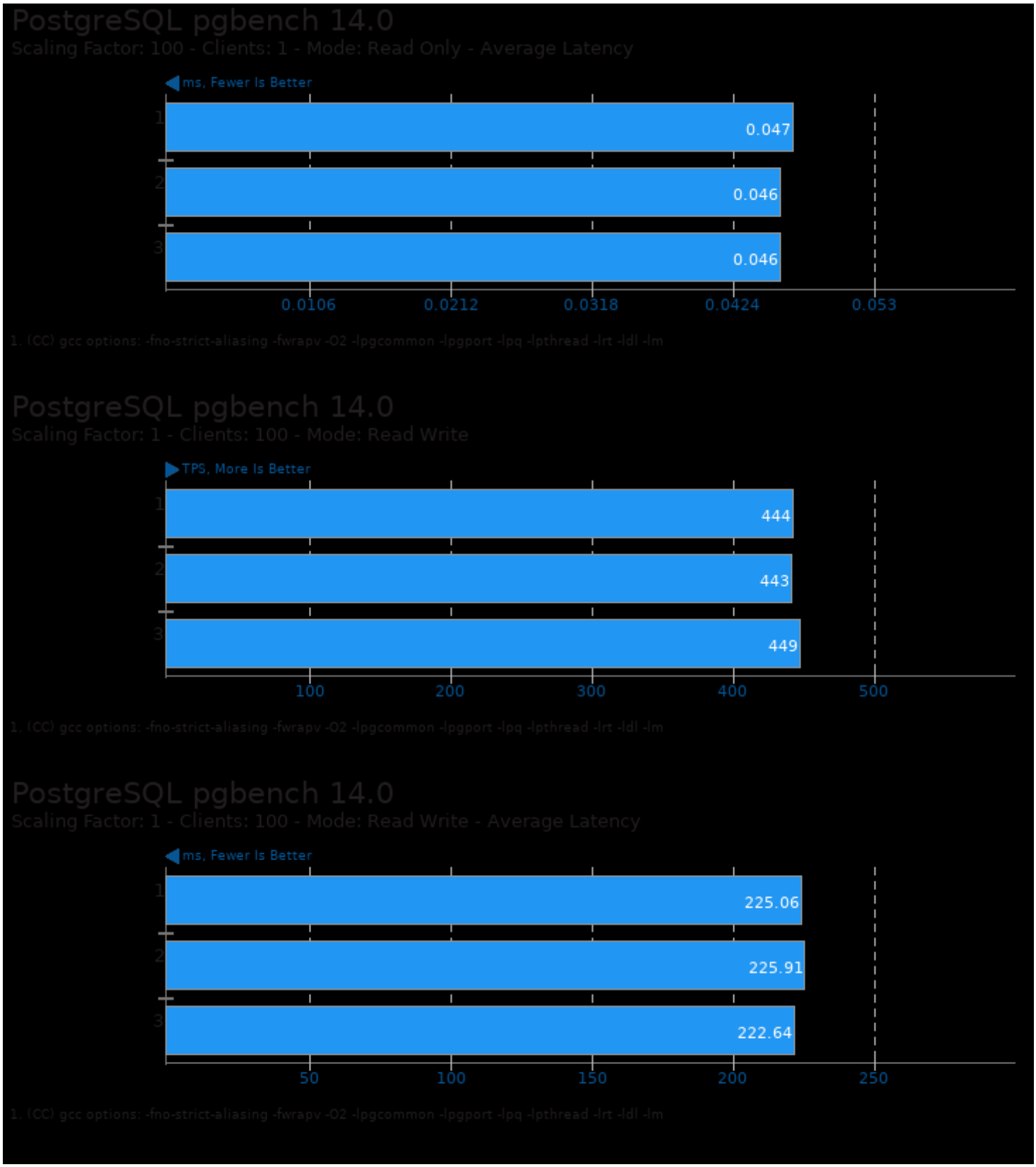

PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 1 - Mode: Read Only
TPS, More Is Better
1
22308
2
22155
3
22020
5K
10K
15K
20K
25K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 1 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
0.045
2
0.045
3
0.045
0.0101
0.0202
0.0303
0.0404
0.0505
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 1 - Mode: Read Write
TPS, More Is Better
1
373
2
375
3
375
80
160
240
320
400
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

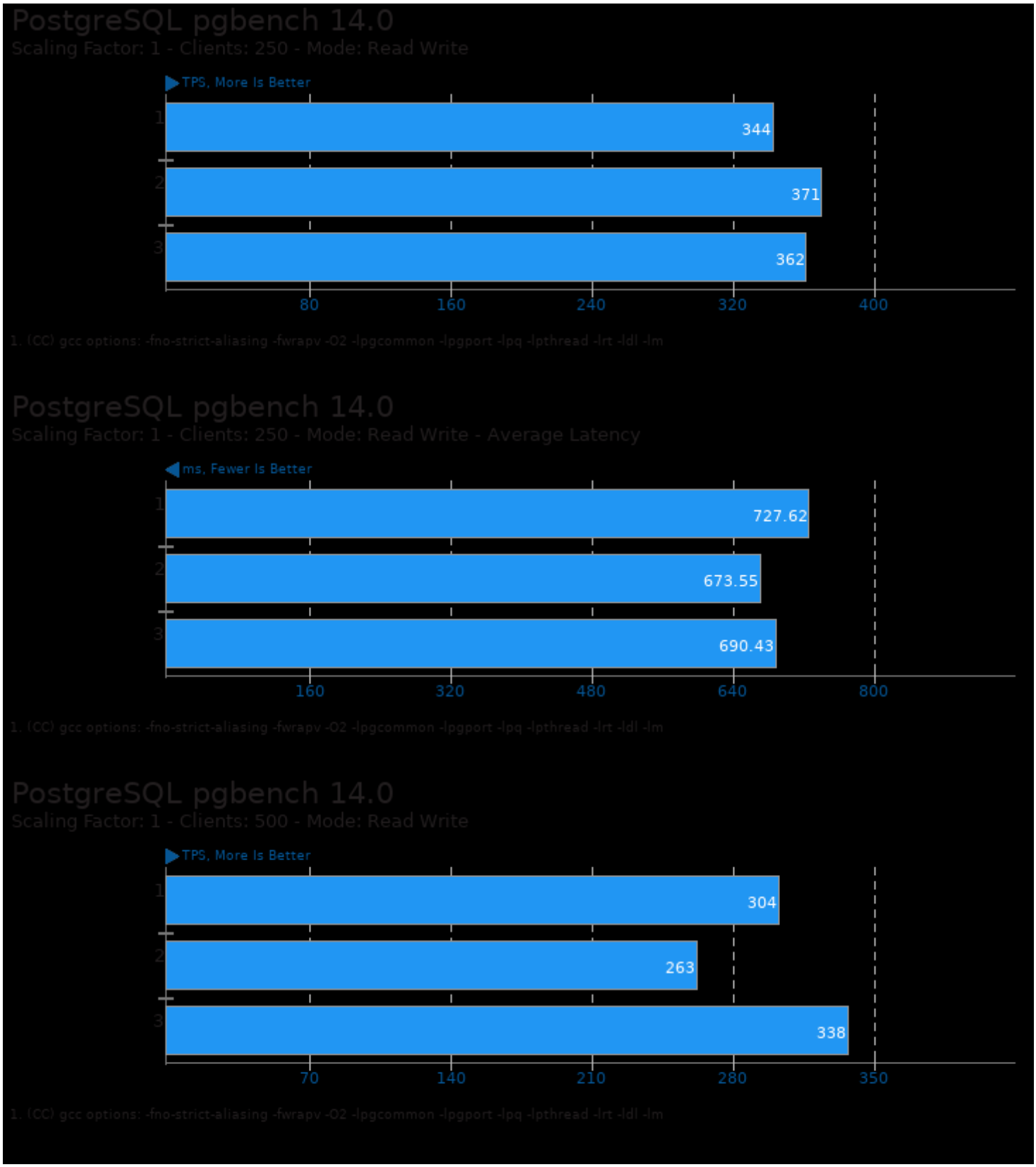

PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency
ms, Fewer Is Better
1
2.678
2
2.663
3
2.666
0.6026
1.2052
1.8078
2.4104
3.013
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 50 - Mode: Read Only
TPS, More Is Better
1
150502
2
149673
3
149455
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
0.332
2
0.334
3
0.335
0.0754
0.1508
0.2262
0.3016
0.377
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 100 - Mode: Read Only
TPS, More Is Better
1
147552
2
148189
3
148450
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 100 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
0.678
2
0.675
3
0.674
0.1526
0.3052
0.4578
0.6104
0.763
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 250 - Mode: Read Only
TPS, More Is Better
1
138872
2
138157
3
138654
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 250 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
2
3
1.800
1.810
1.803
0.4073
0.8146
1.2219
1.6292
2.0365
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 50 - Mode: Read Write
TPS, More Is Better
1
2
3
482
483
482
100
200
300
400
500
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency
ms, Fewer Is Better
1
2
3
103.72
103.54
103.72
20
40
60
80
100
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

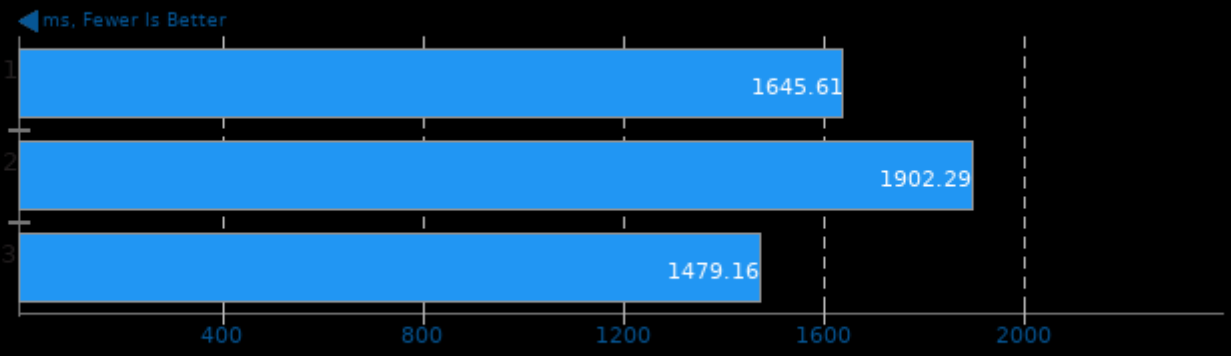

PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 500 - Mode: Read Only
TPS, More Is Better
1
136249
2
135704
3
136431
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 500 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
3.670
2
3.684
3
3.665
0.8289
1.6578
2.4867
3.3156
4.1445
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 1 - Mode: Read Only
TPS, More Is Better
1
21177
2
21724
3
21564
5K
10K
15K
20K
25K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 1 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
2
3
0.047
0.046
0.046
0.0106
0.0212
0.0318
0.0424
0.053
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 100 - Mode: Read Write
TPS, More Is Better
1
2
3
444
443
449
100
200
300
400
500
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency
ms, Fewer Is Better
1
2
3
225.06
225.91
222.64
50
100
150
200
250
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 250 - Mode: Read Write
TPS, More Is Better
1
344
2
371
3
362
80
160
240
320
400
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 250 - Mode: Read Write - Average Latency
ms, Fewer Is Better
1
727.62
2
673.55
3
690.43
160
320
480
640
800
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1 - Clients: 500 - Mode: Read Write
TPS, More Is Better
1
304
2
263
3
338
70
140
210
280
350
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

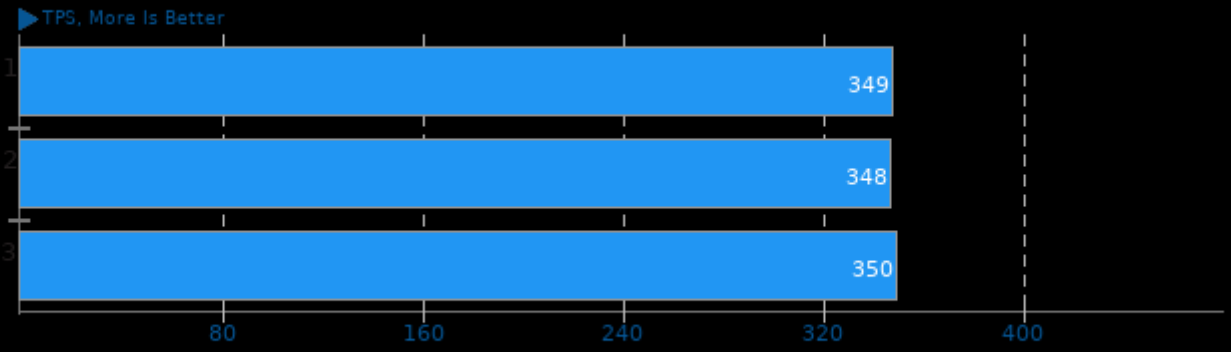
Scaling Factor: 1 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

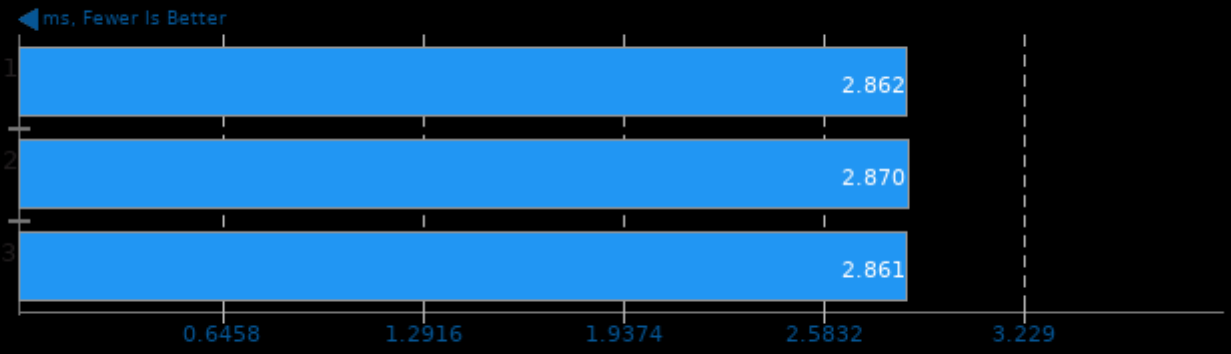
Scaling Factor: 100 - Clients: 1 - Mode: Read Write



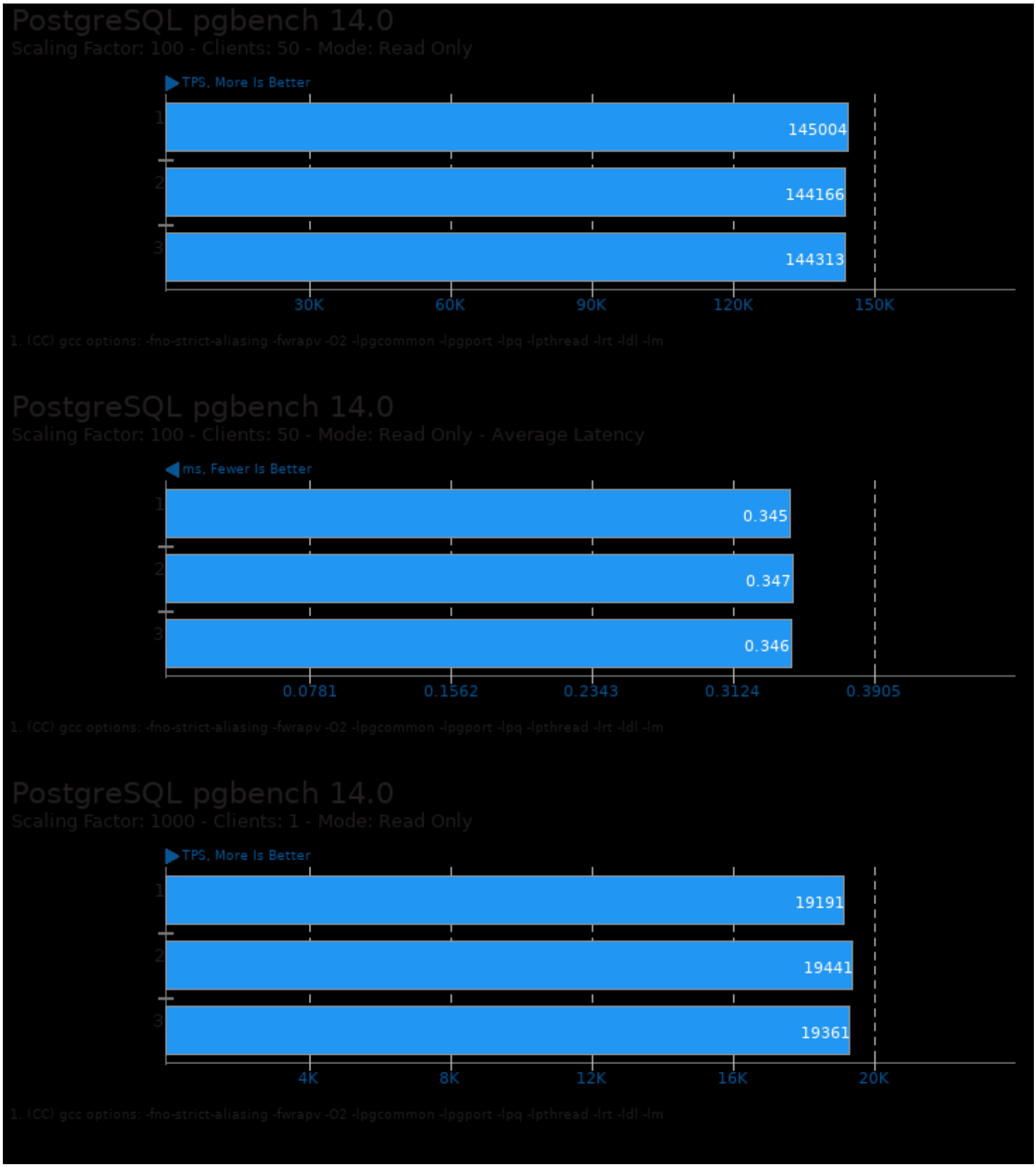
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

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

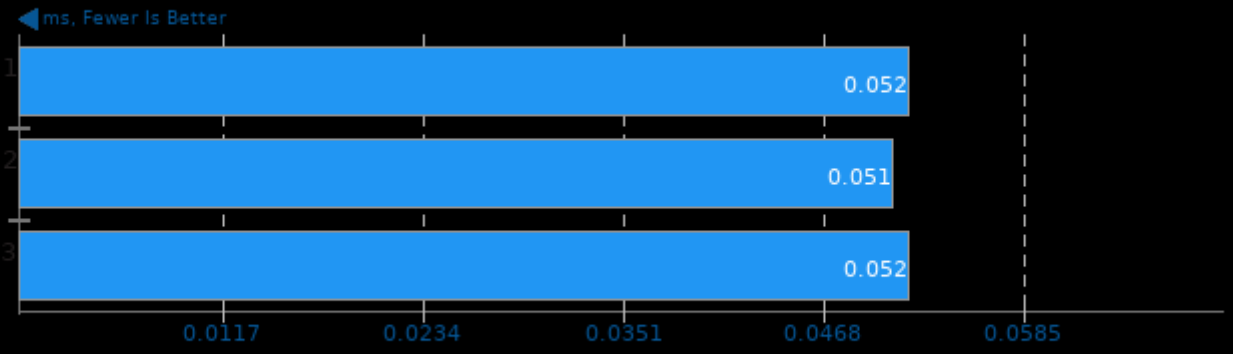


1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 50 - Mode: Read Only
TPS, More Is Better
1
145004
2
144166
3
144313
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
0.345
2
0.347
3
0.346
0.0781
0.1562
0.2343
0.3124
0.3905
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 1 - Mode: Read Only
TPS, More Is Better
1
19191
2
19441
3
19361
4K
8K
12K
16K
20K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

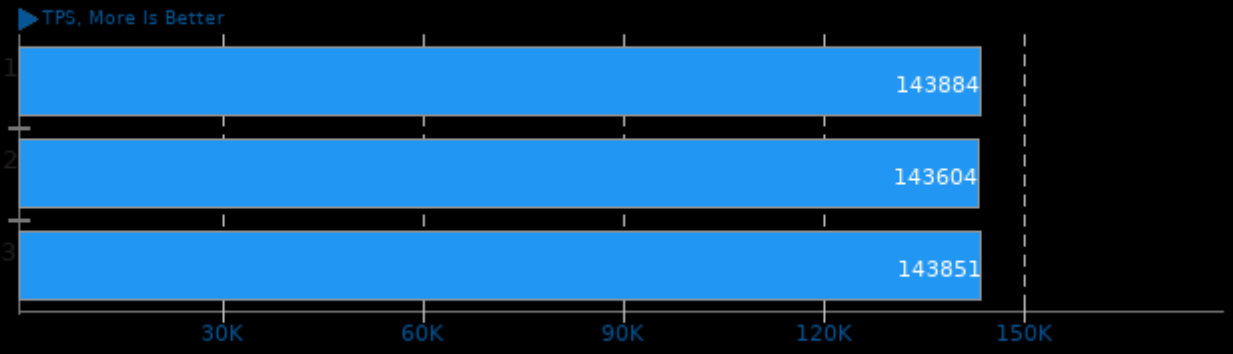
Scaling Factor: 1000 - Clients: 1 - Mode: Read Only - Average Latency



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

PostgreSQL pgbench 14.0

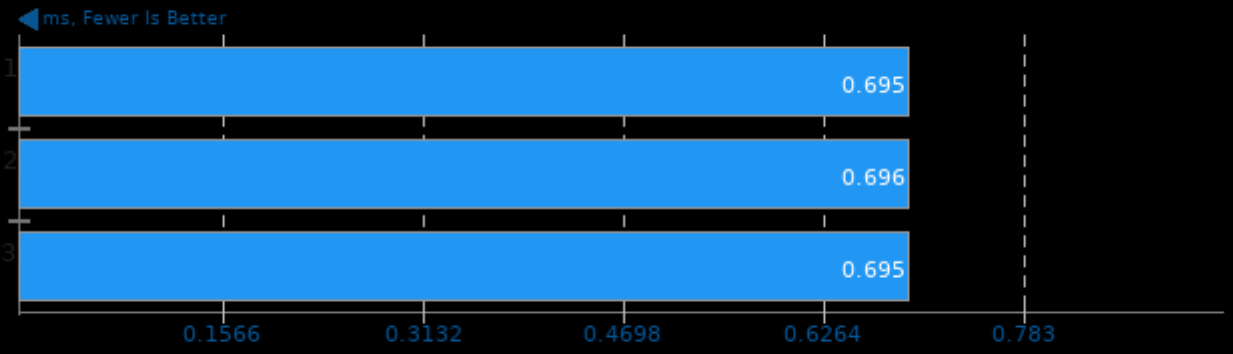
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



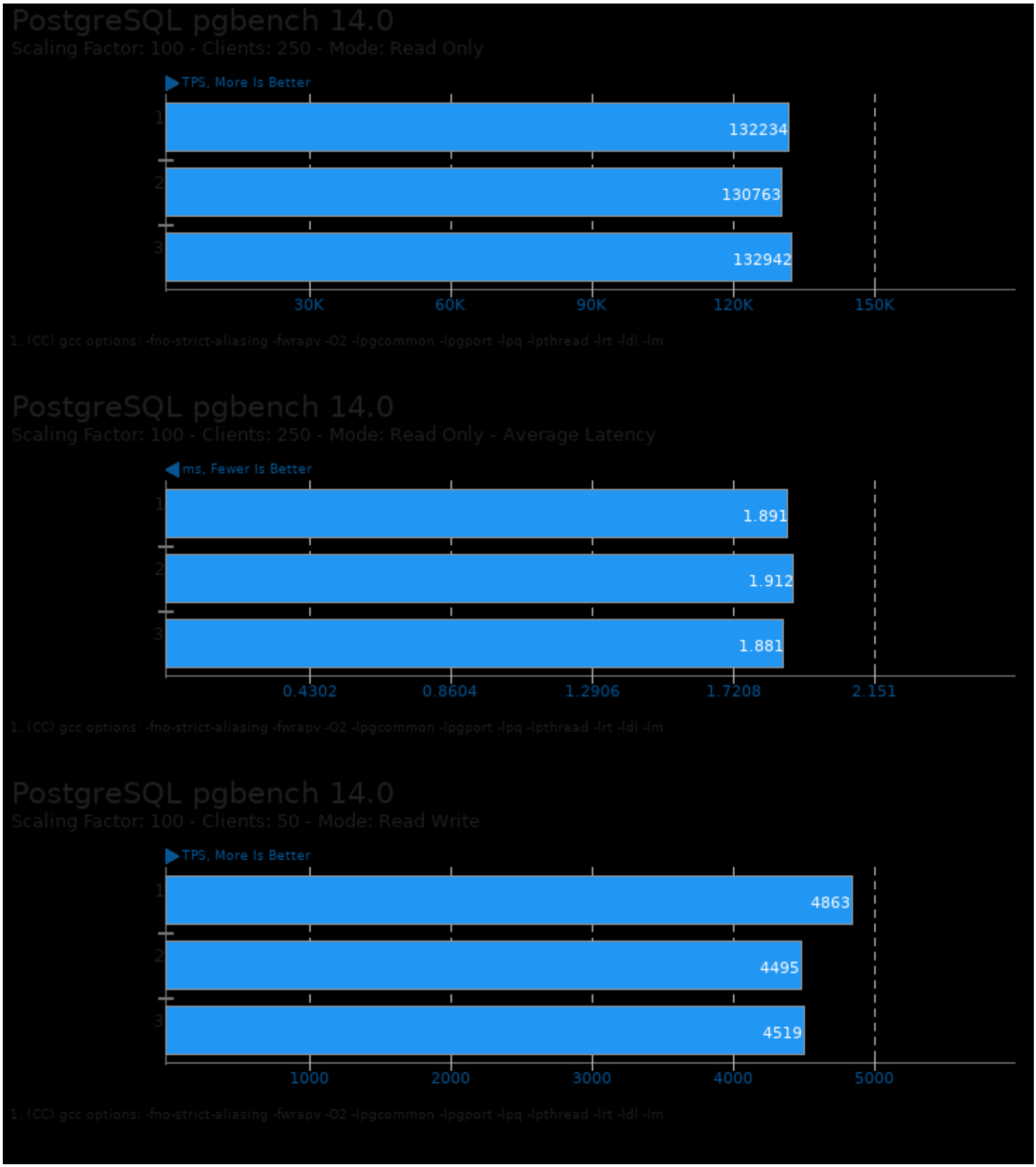
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

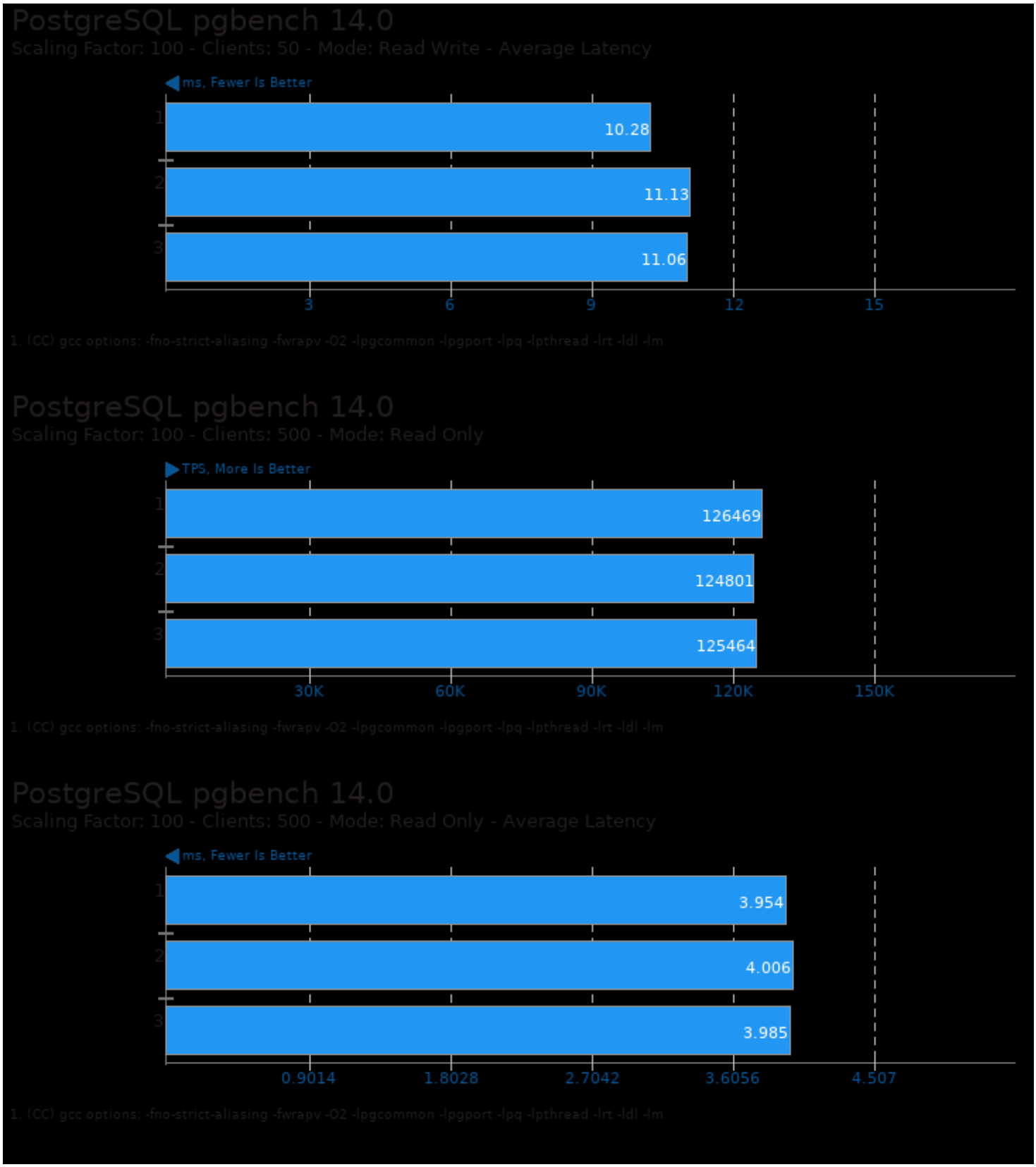
PostgreSQL pgbench 14.0

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



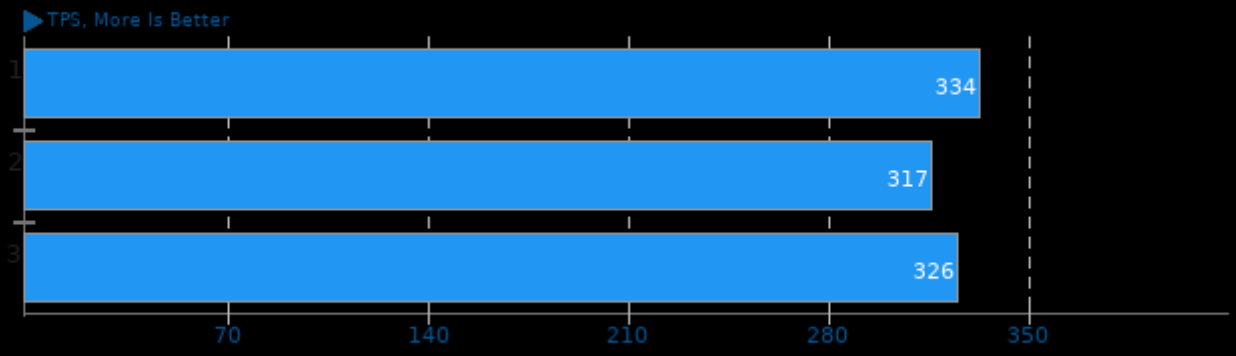
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 250 - Mode: Read Only
TPS, More Is Better
1
132234
2
130763
3
132942
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 250 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
1.891
2
1.912
3
1.881
0.4302
0.8604
1.2906
1.7208
2.151
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 50 - Mode: Read Write
TPS, More Is Better
1
4863
2
4495
3
4519
1000
2000
3000
4000
5000
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency
ms, Fewer Is Better
1
2
3
10.28
11.13
11.06
3
6
9
12
15
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 500 - Mode: Read Only
TPS, More Is Better
1
2
3
126469
124801
125464
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 500 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
2
3
3.954
4.006
3.985
0.9014
1.8028
2.7042
3.6056
4.507
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

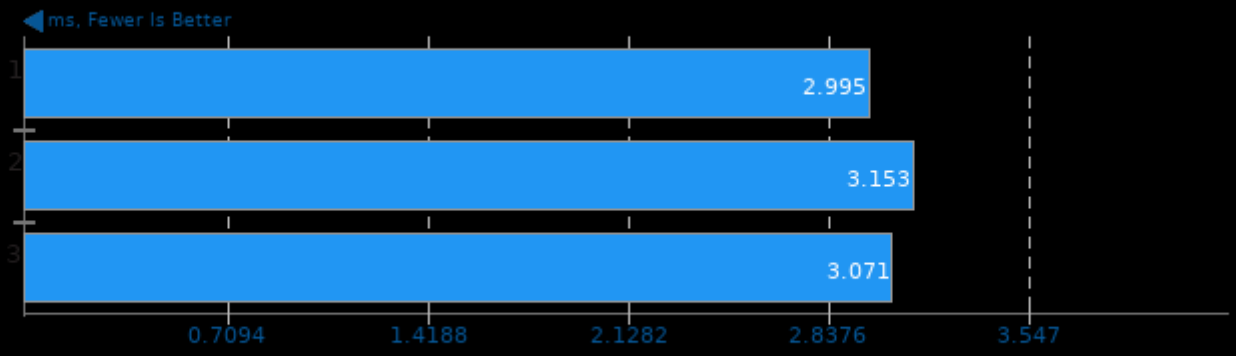
Scaling Factor: 1000 - Clients: 1 - Mode: Read Write



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

PostgreSQL pgbench 14.0

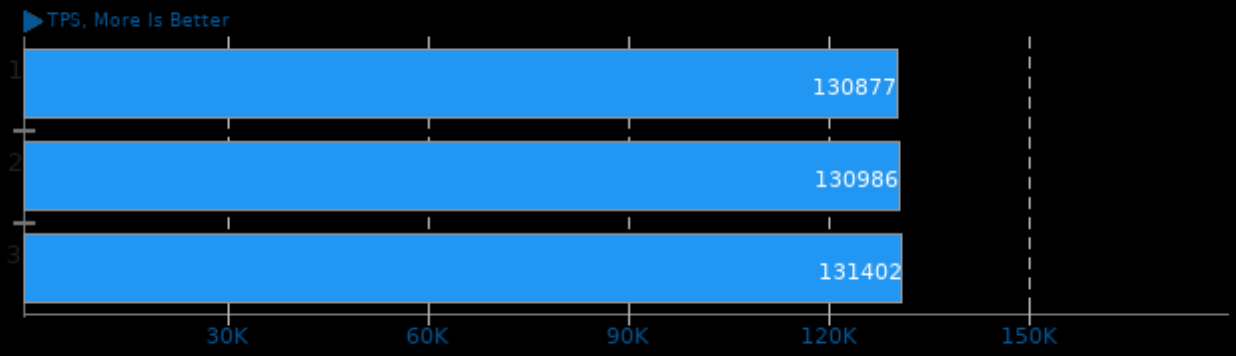
Scaling Factor: 1000 - Clients: 1 - Mode: Read Write - Average Latency



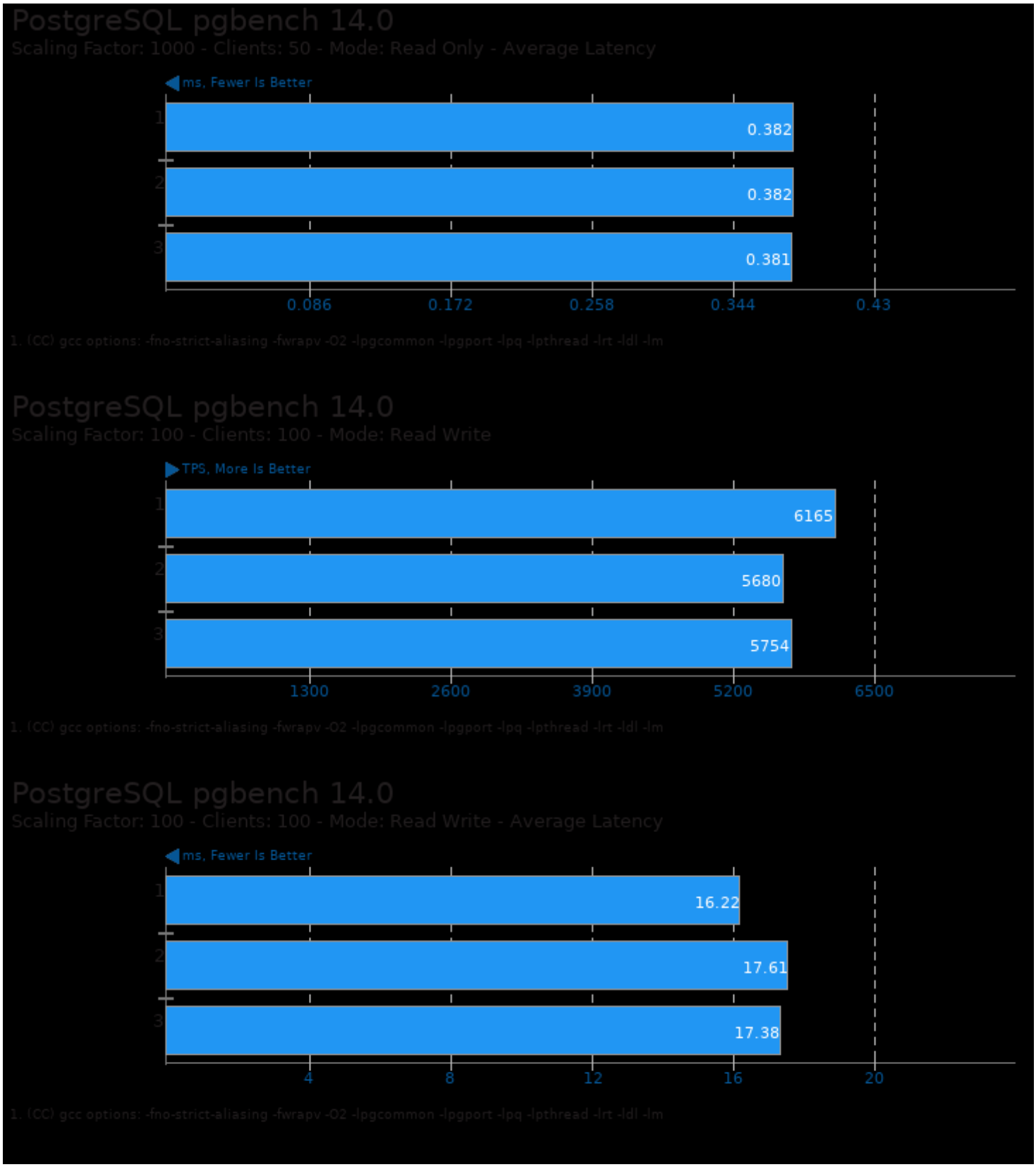
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

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

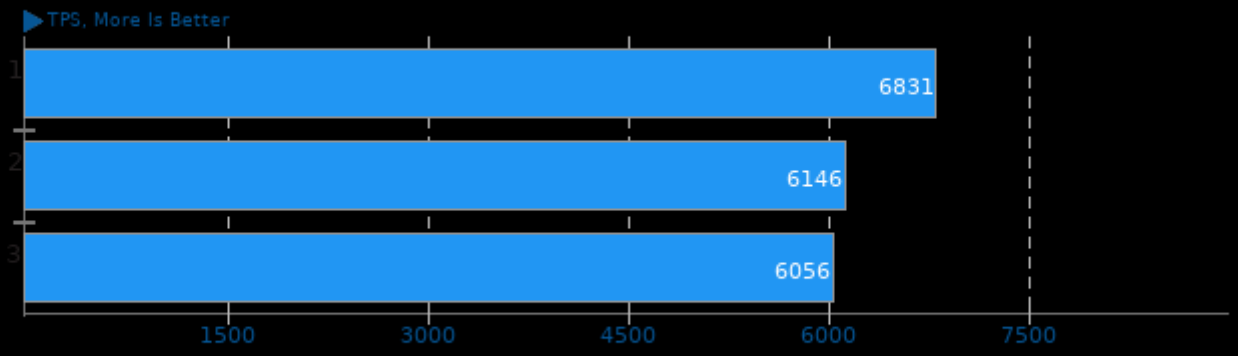


1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 50 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
2
3
0.382
0.382
0.381
0.086
0.172
0.258
0.344
0.43
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
TPS, More Is Better
1
2
3
6165
5680
5754
1300
2600
3900
5200
6500
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
ms, Fewer Is Better
1
2
3
16.22
17.61
17.38
4
8
12
16
20
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

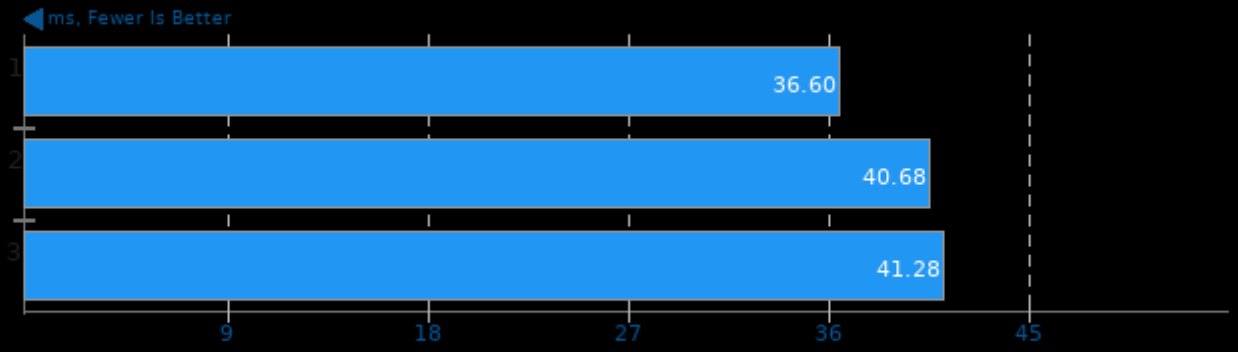
Scaling Factor: 100 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 14.0

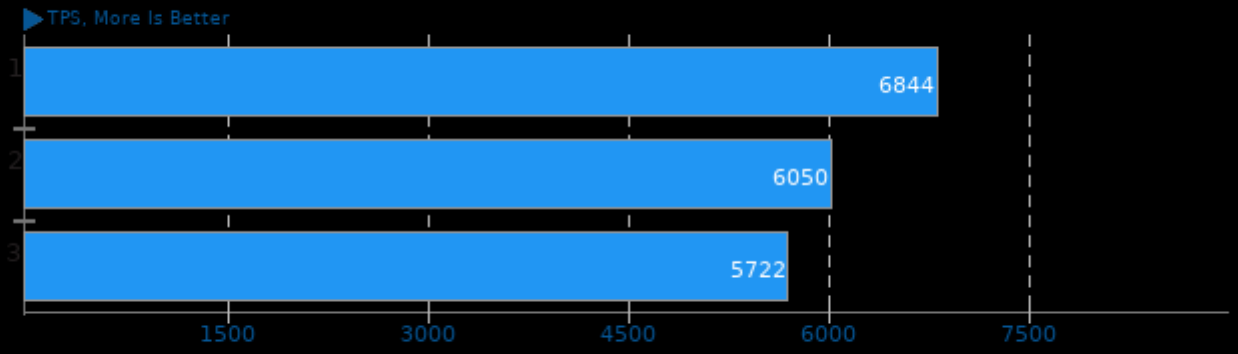
Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency



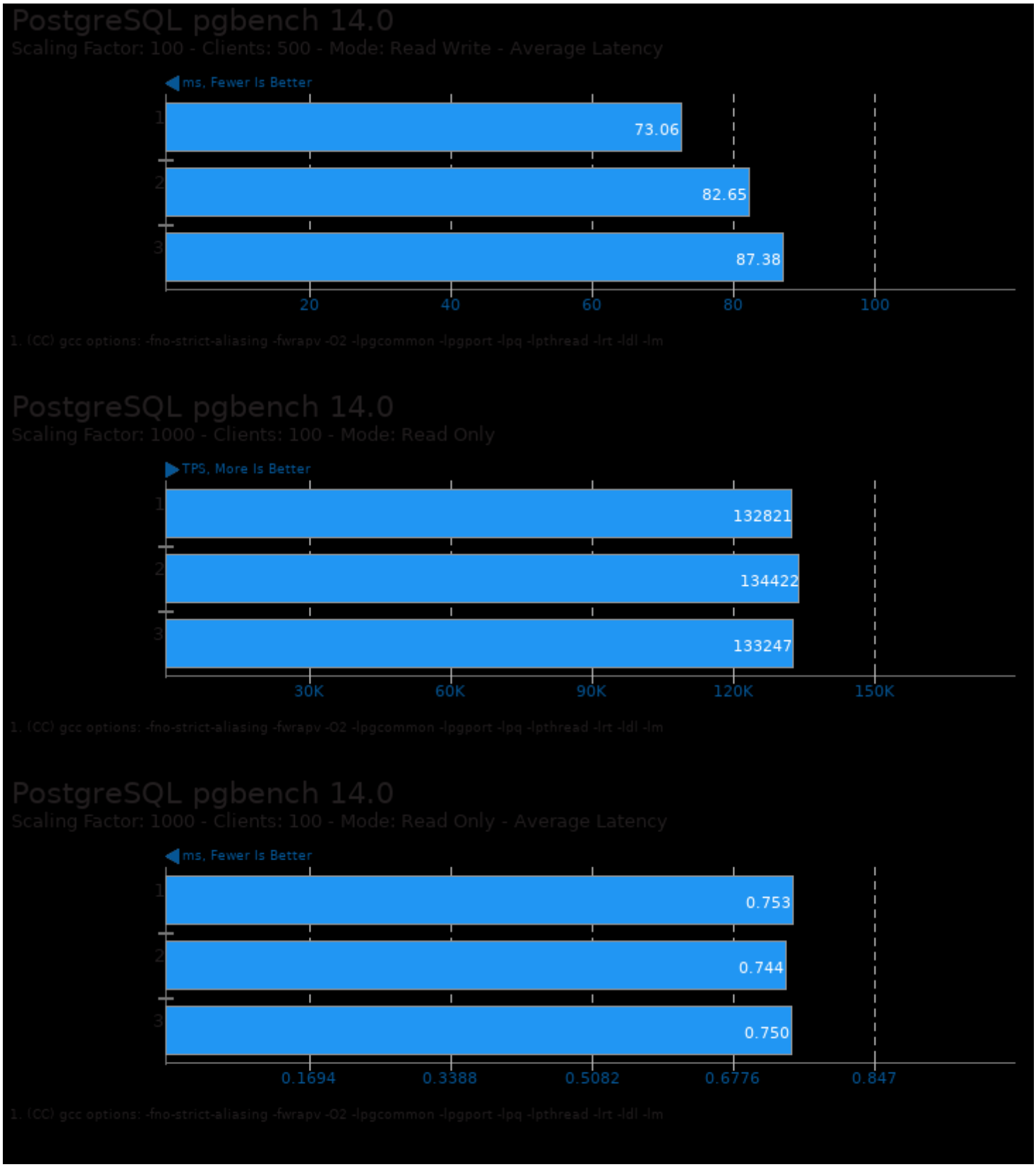
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

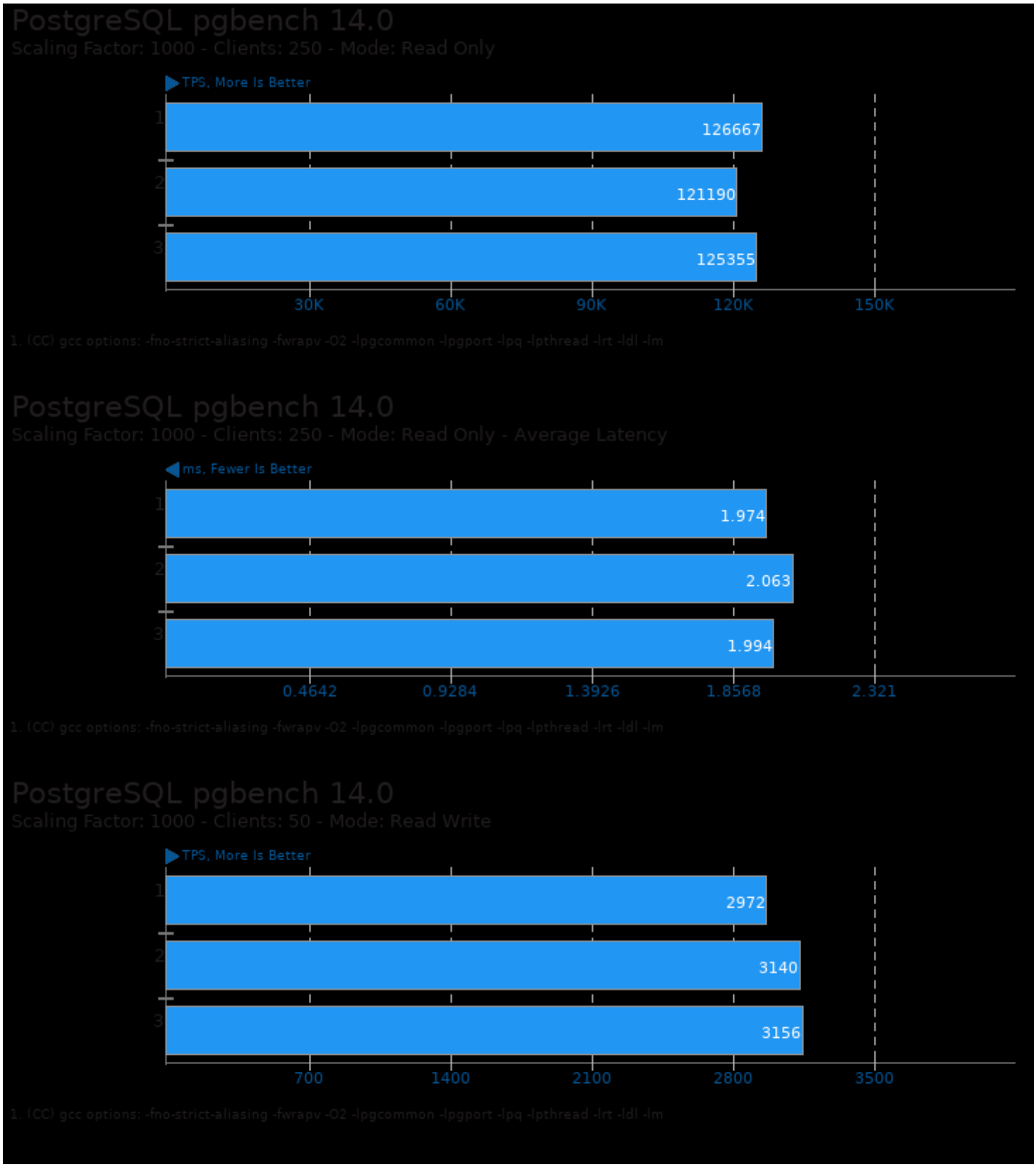
PostgreSQL pgbench 14.0

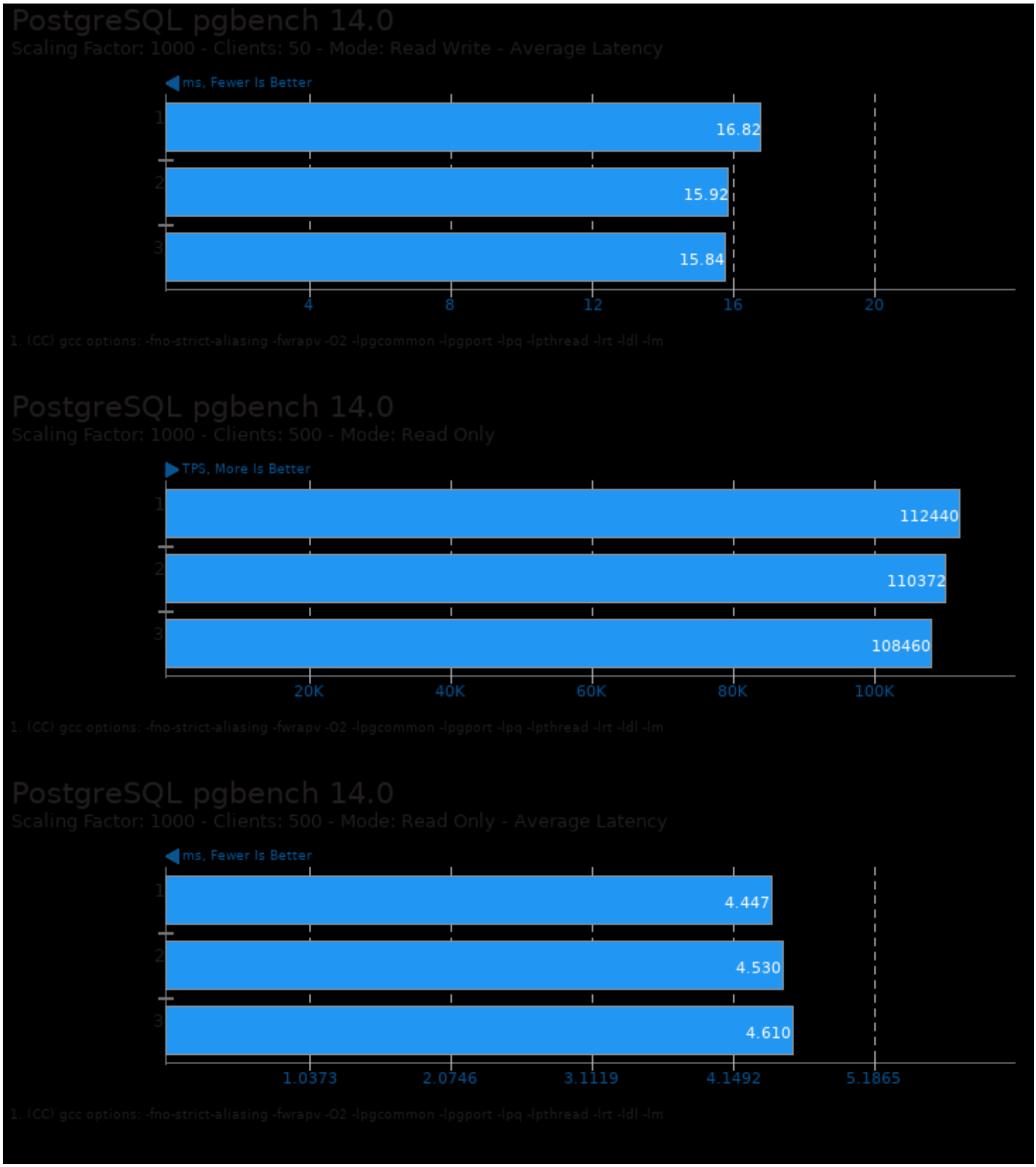
Scaling Factor: 100 - Clients: 500 - Mode: Read Write



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

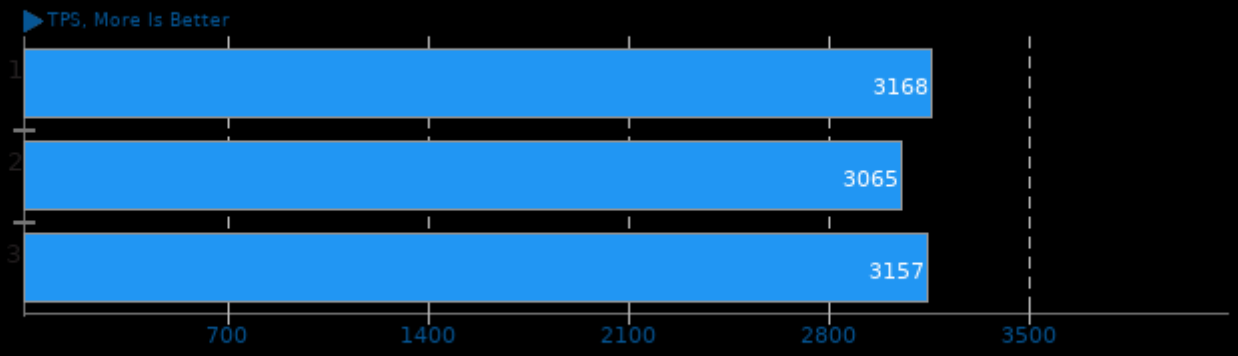

PostgreSQL pgbench 14.0
Scaling Factor: 100 - Clients: 500 - Mode: Read Write - Average Latency
ms, Fewer Is Better
1
73.06
2
82.65
3
87.38
20
40
60
80
100
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 100 - Mode: Read Only
TPS, More Is Better
1
132821
2
134422
3
133247
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 100 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
0.753
2
0.744
3
0.750
0.1694
0.3388
0.5082
0.6776
0.847
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 250 - Mode: Read Only
TPS, More Is Better
1
126667
2
121190
3
125355
30K
60K
90K
120K
150K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 250 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
1.974
2
2.063
3
1.994
0.4642
0.9284
1.3926
1.8568
2.321
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 50 - Mode: Read Write
TPS, More Is Better
1
2972
2
3140
3
3156
700
1400
2100
2800
3500
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm


PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 50 - Mode: Read Write - Average Latency
ms, Fewer Is Better
1
2
3
16.82
15.92
15.84
4
8
12
16
20
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 500 - Mode: Read Only
TPS, More Is Better
1
2
3
112440
110372
108460
20K
40K
60K
80K
100K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm
PostgreSQL pgbench 14.0
Scaling Factor: 1000 - Clients: 500 - Mode: Read Only - Average Latency
ms, Fewer Is Better
1
2
3
4.447
4.530
4.610
1.0373
2.0746
3.1119
4.1492
5.1865
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 14.0

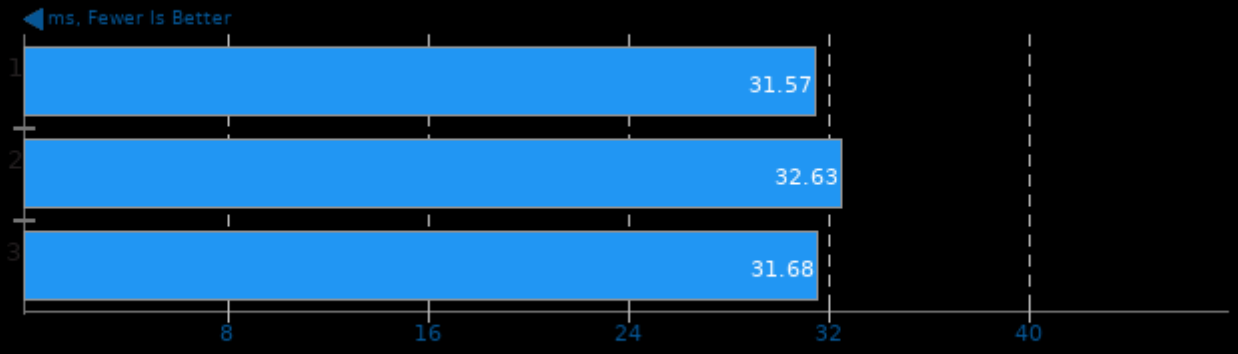
Scaling Factor: 1000 - Clients: 100 - Mode: Read Write



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

PostgreSQL pgbench 14.0

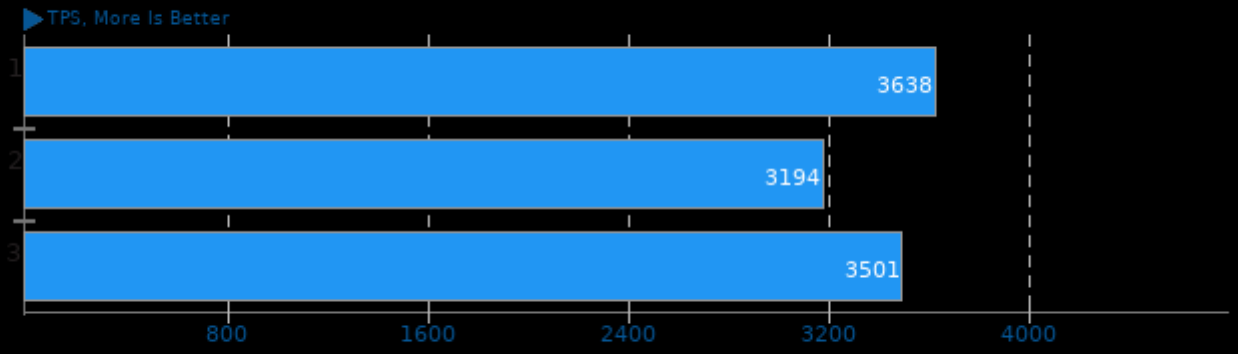
Scaling Factor: 1000 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

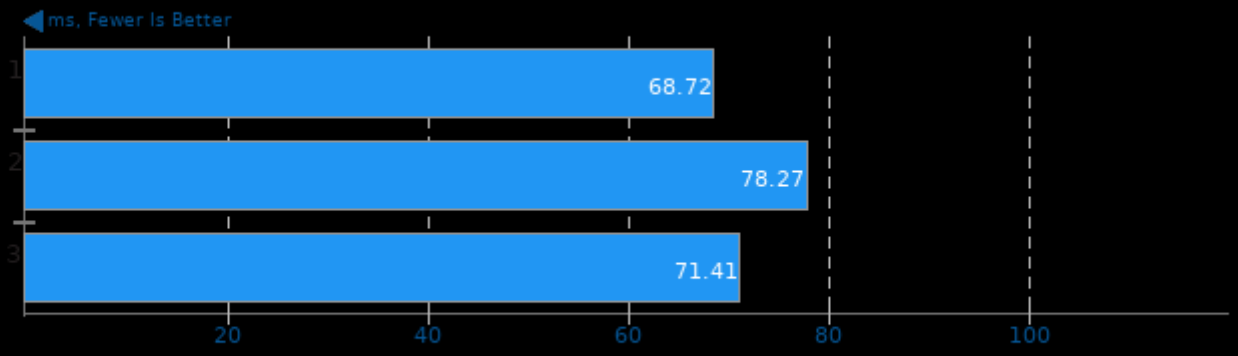
Scaling Factor: 1000 - Clients: 250 - Mode: Read Write



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

PostgreSQL pgbench 14.0

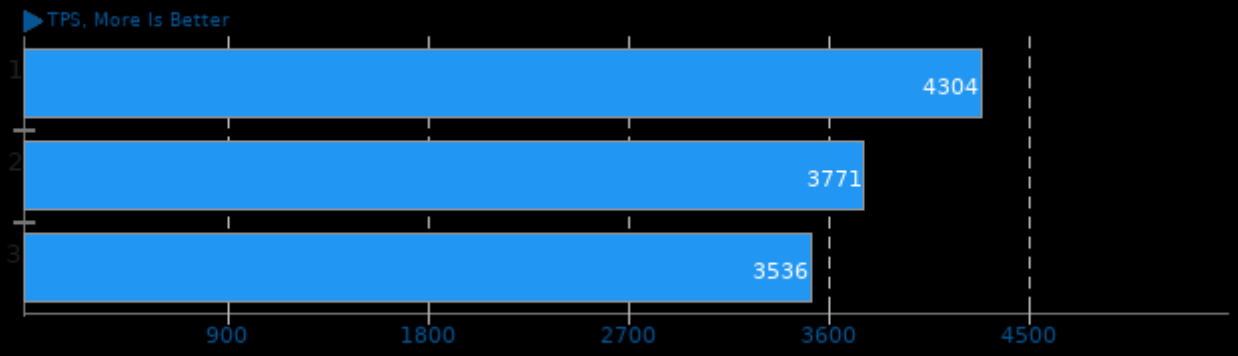
Scaling Factor: 1000 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL pgbench 14.0

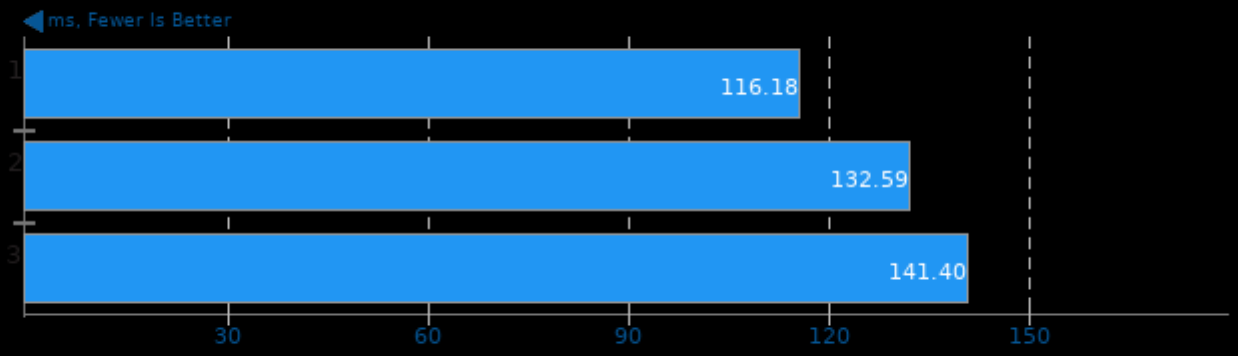
Scaling Factor: 1000 - Clients: 500 - Mode: Read Write



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

PostgreSQL pgbench 14.0

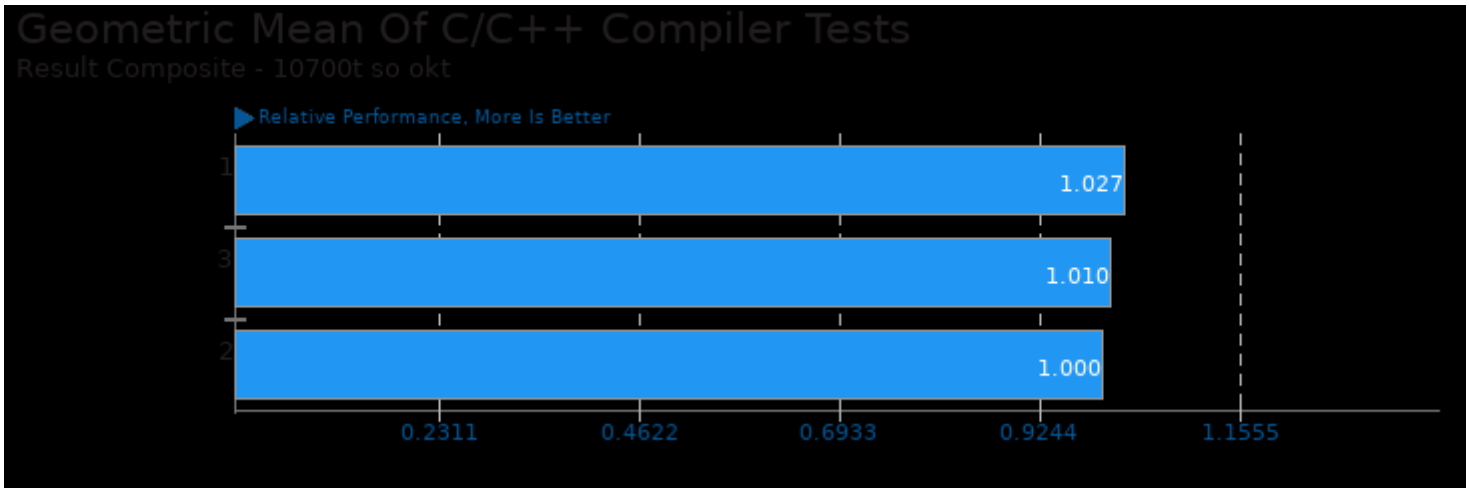
Scaling Factor: 1000 - Clients: 500 - Mode: Read Write - Average Latency



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

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



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



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



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 03:20.