

www.phoronix-test-suite.com

mysqlComp

Intel Xeon Silver 4210R testing with a Wistron SV7220G3 (TPC_P18C BIOS) and ASPEED on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

mysqlComp

Processor: Intel Xeon Silver 4210R @ 3.20GHz (10 Cores / 20 Threads), Motherboard: Wistron SV7220G3 (TPC_P18C BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 94GB, Disk: 2 x 960GB SAMSUNG MZ1LB960HAJQ-00007 + 2 x 240GB SAMSUNG MZ7LH240, Graphics: ASPEED, Network: Intel I210 + 2 x Mellanox MT27710

OS: Ubuntu 20.04, Kernel: 5.4.0-58-generic (x86_64), Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1024x768

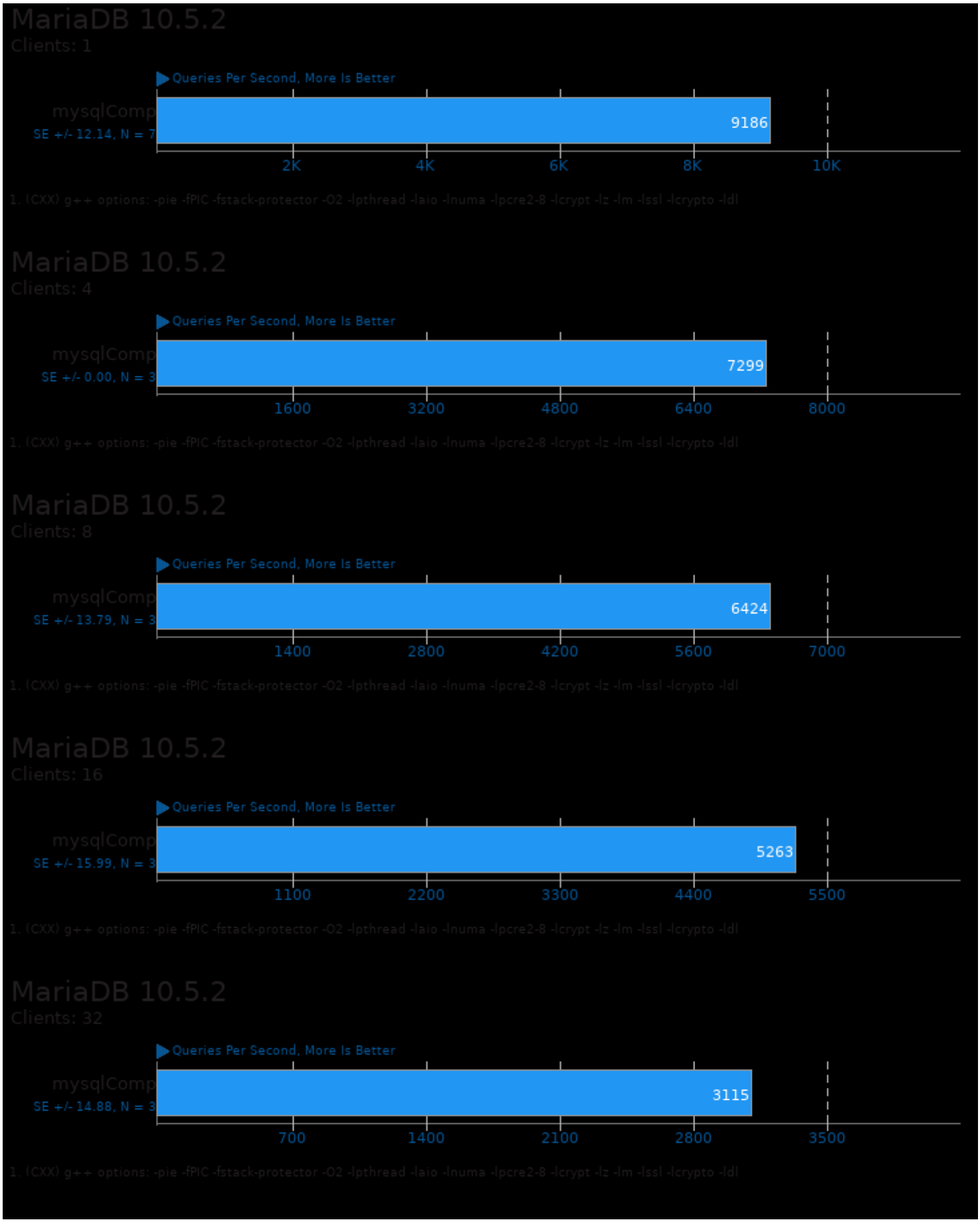
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --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

mysqlComp

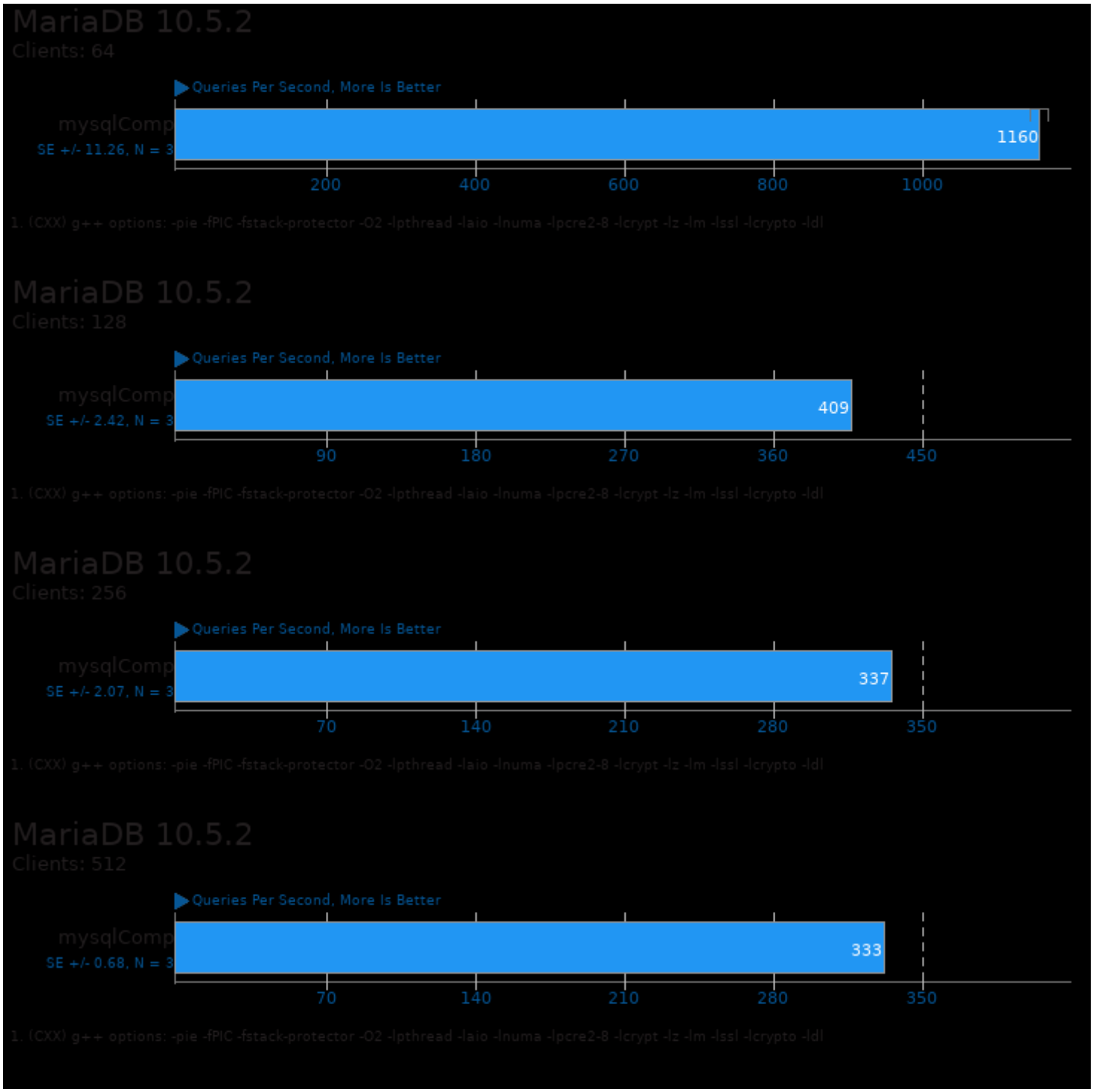
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x5003003
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: 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: Mitigation of TSX disabled

	mysqlComp
MariaDB - 1 (Queries/sec)	9186
Standard Deviation	0.3%
MariaDB - 4 (Queries/sec)	7299
Standard Deviation	0%
MariaDB - 8 (Queries/sec)	6424
Standard Deviation	0.4%
MariaDB - 16 (Queries/sec)	5263
Standard Deviation	0.5%
MariaDB - 32 (Queries/sec)	3115
Standard Deviation	0.8%
MariaDB - 64 (Queries/sec)	1160
Standard Deviation	1.7%
MariaDB - 128 (Queries/sec)	409
Standard Deviation	1%
MariaDB - 256 (Queries/sec)	337
Standard Deviation	1.1%
MariaDB - 512 (Queries/sec)	333
Standard Deviation	0.4%

mysqlComp


MariaDB 10.5.2
Clients: 1
Queries Per Second, More Is Better
mysqlComp
SE +/- 12.14, N = 7
9186
2K
4K
6K
8K
10K
1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -laio -lnuma -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl
MariaDB 10.5.2
Clients: 4
Queries Per Second, More Is Better
mysqlComp
SE +/- 0.00, N = 3
7299
1600
3200
4800
6400
8000
1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -laio -lnuma -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl
MariaDB 10.5.2
Clients: 8
Queries Per Second, More Is Better
mysqlComp
SE +/- 13.79, N = 3
6424
1400
2800
4200
5600
7000
1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -laio -lnuma -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl
MariaDB 10.5.2
Clients: 16
Queries Per Second, More Is Better
mysqlComp
SE +/- 15.99, N = 3
5263
1100
2200
3300
4400
5500
1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -laio -lnuma -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl
MariaDB 10.5.2
Clients: 32
Queries Per Second, More Is Better
mysqlComp
SE +/- 14.88, N = 3
3115
700
1400
2100
2800
3500
1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -laio -lnuma -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl

mysqlComp



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 11:05.