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## dram-0611-mysql-vs

dram

### **Automated Executive Summary**

*under no load had the most wins, coming in first place for 88% of the tests.*

*Based on the geometric mean of all complete results, the fastest (under no load) was 1.012x the speed of the slowest (under load 90).*

### **Test Systems:**

**under load 90**

**under no load**

Processor: 2 x Intel Xeon Gold 5220R (48 Cores / 96 Threads), Motherboard: HPE ProLiant DL360 Gen10 (U32 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 16 x 32 GB DDR4-2666MT/s HPE, Disk: 3201GB

MO003200KWVUV, Graphics: Matrox MGA G200eH3, Network: 2 x Intel 10G X550T

OS: Ubuntu 18.04, Kernel: 4.15.0-140-generic (x86\_64), Compiler: GCC 7.5.0, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: nvme\_core.multipath=0 - Transparent Huge Pages: madvise

Compiler Notes: --build=x86\_64-linux-gnu --disable-vtable-verify --enable-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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v

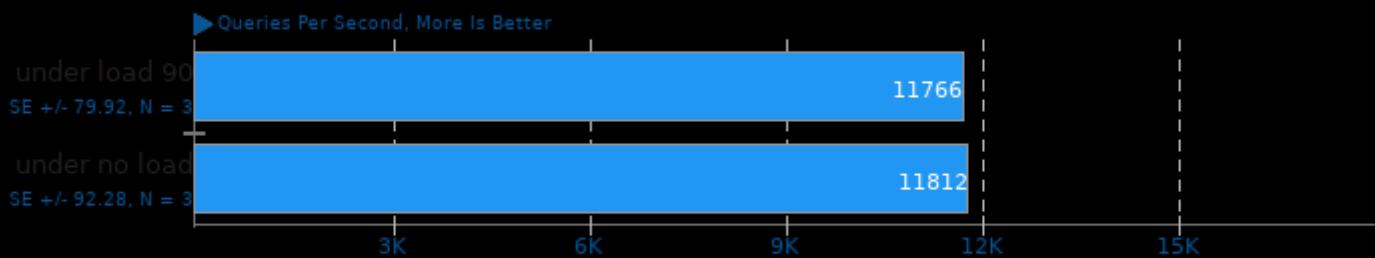
Processor Notes: CPU Microcode: 0x5003003

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/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbs: Not affected + tsx\_async\_abort: Mitigation of TSX disabled

	under load 90	under no load
<b>MariaDB - 1 (Queries/sec)</b>	<b>11766</b>	<b>11812</b>
Normalized	99.61%	100%
Standard Deviation	1.2%	1.4%
<b>MariaDB - 4 (Queries/sec)</b>	<b>10034</b>	<b>10347</b>
Normalized	96.97%	100%
Standard Deviation	0.6%	1.6%
<b>MariaDB - 8 (Queries/sec)</b>	<b>8955</b>	<b>8903</b>
Normalized	100%	99.42%
Standard Deviation	0.5%	1.4%
<b>MariaDB - 16 (Queries/sec)</b>	<b>6727</b>	<b>6772</b>
Normalized	99.34%	100%
Standard Deviation	1%	3.2%
<b>MariaDB - 32 (Queries/sec)</b>	<b>2885</b>	<b>2921</b>
Normalized	98.77%	100%
Standard Deviation	0.6%	0.2%
<b>MariaDB - 64 (Queries/sec)</b>	<b>1272</b>	<b>1292</b>
Normalized	98.45%	100%
Standard Deviation	0.1%	0.2%
<b>MariaDB - 128 (Queries/sec)</b>	<b>550</b>	<b>553</b>
Normalized	99.46%	100%
Standard Deviation	0.3%	0.1%
<b>MariaDB - 256 (Queries/sec)</b>	<b>456</b>	<b>467</b>
Normalized	97.64%	100%
Standard Deviation	0.1%	0.3%
<b>MariaDB - 512 (Queries/sec)</b>	<b>456</b>	<b>463</b>
Normalized	98.49%	100%
Standard Deviation	0.6%	0.4%

## MariaDB 10.5.2

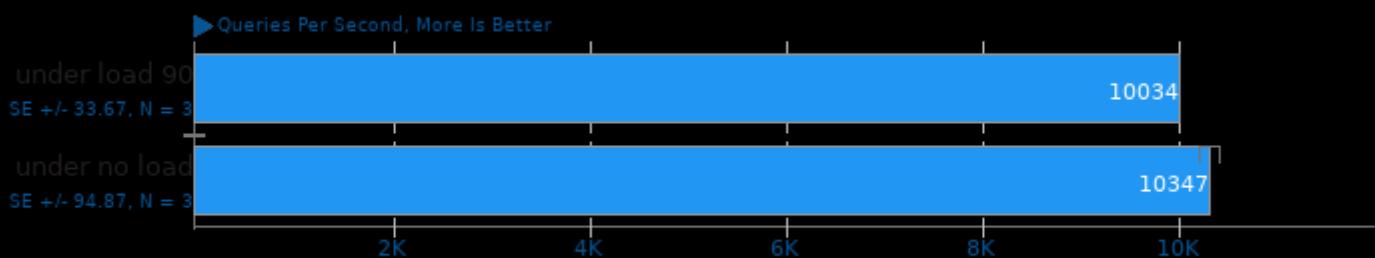
Clients: 1



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

## MariaDB 10.5.2

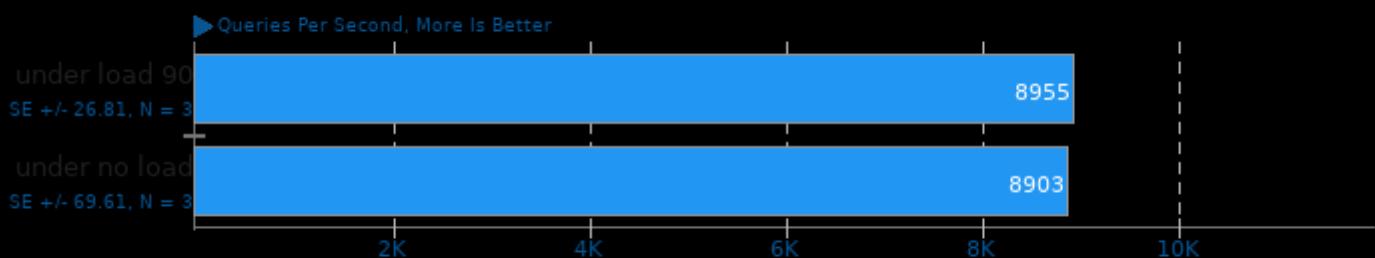
Clients: 4



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

## MariaDB 10.5.2

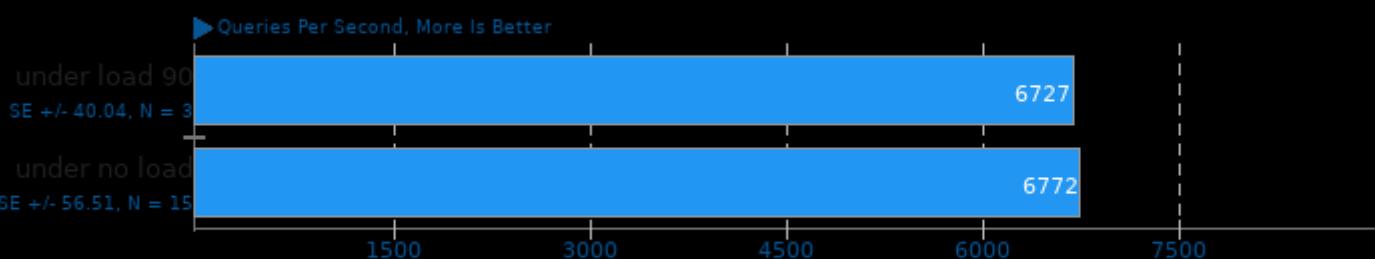
Clients: 8



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

## MariaDB 10.5.2

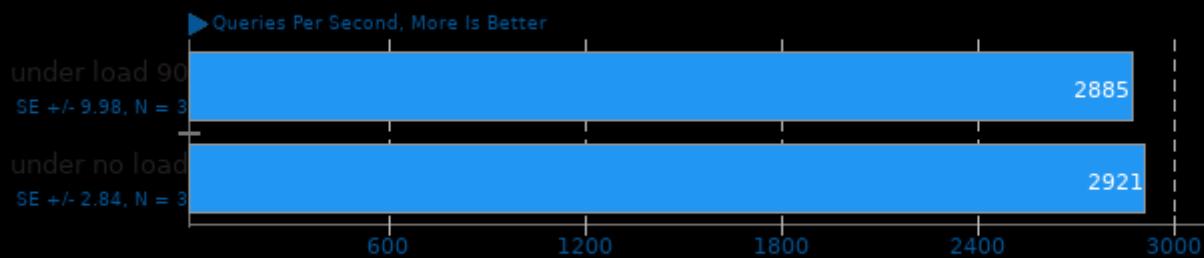
Clients: 16



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

## MariaDB 10.5.2

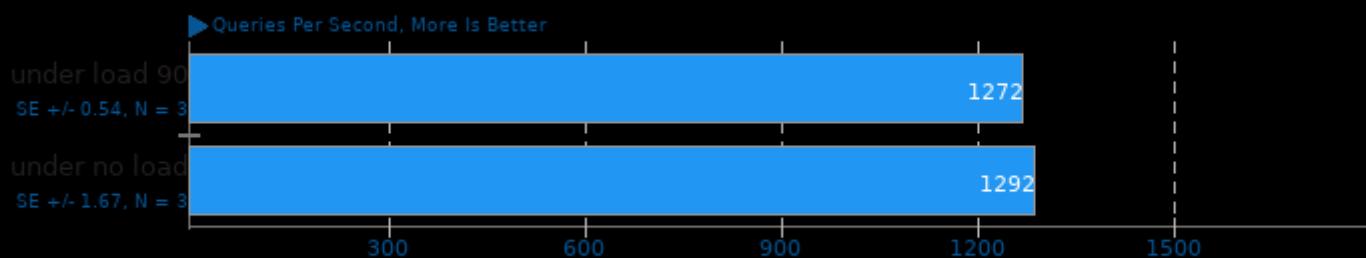
Clients: 32



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

## MariaDB 10.5.2

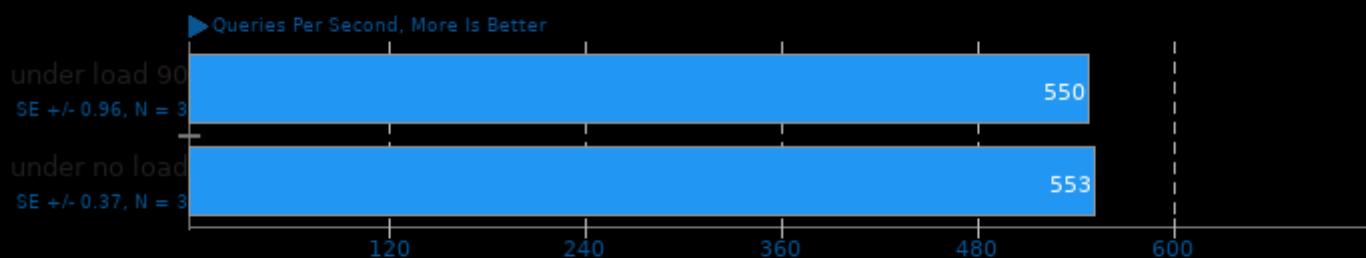
Clients: 64



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

## MariaDB 10.5.2

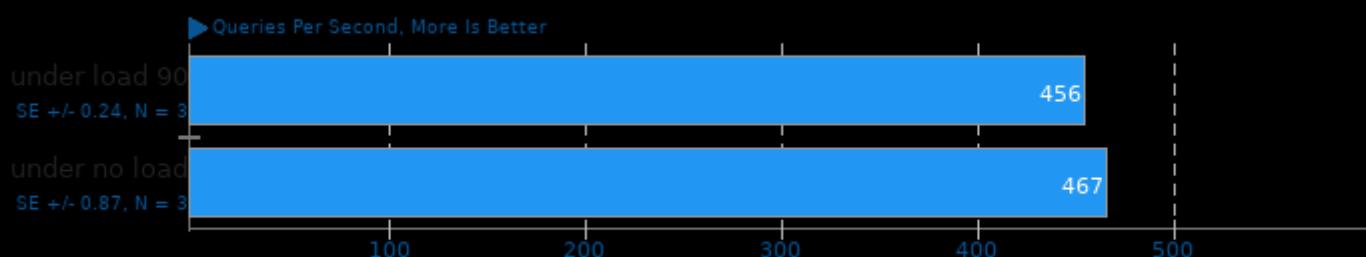
Clients: 128



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

## MariaDB 10.5.2

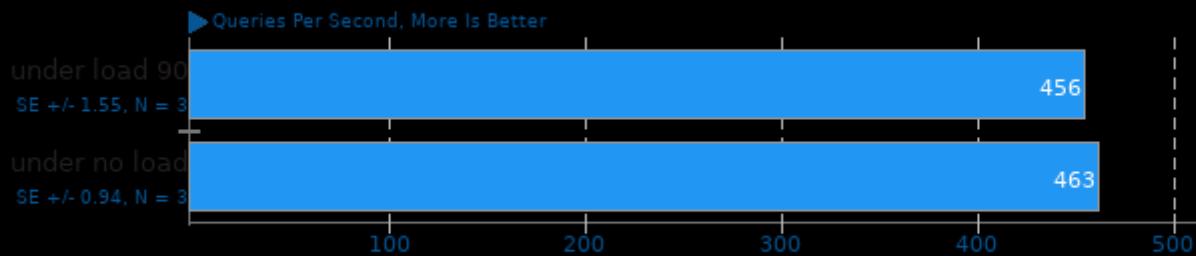
Clients: 256



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

**MariaDB 10.5.2**

Clients: 512



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

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 19:50.*