



Cabin Group Limited

Cabin Group Limited

IO Performance

Our Brands

TEAMagic Web Services

Yupapa Web Services

MagicNIC

Summary

We're delighted to announce that our next generation of storage platform will be put into use starting this month May 2020. The storage platform was planned to be in operational by Q1 this year but due to the COVID pandemic, the shipment of parts was postponed.

To take a closer look at the improvement, we have run benchmark against both platforms to make a comparison between them. Significant tunings have been done, in order to get the most out from our new cutting edge hardware.

Test Setup

Hardware

Dual Processor @ 2.0Ghz

2GB Memory

CentOS 7 x86_64 with 3.10 kernel

Benchmark Tools

sysbench 1.0.17

fio 3.x

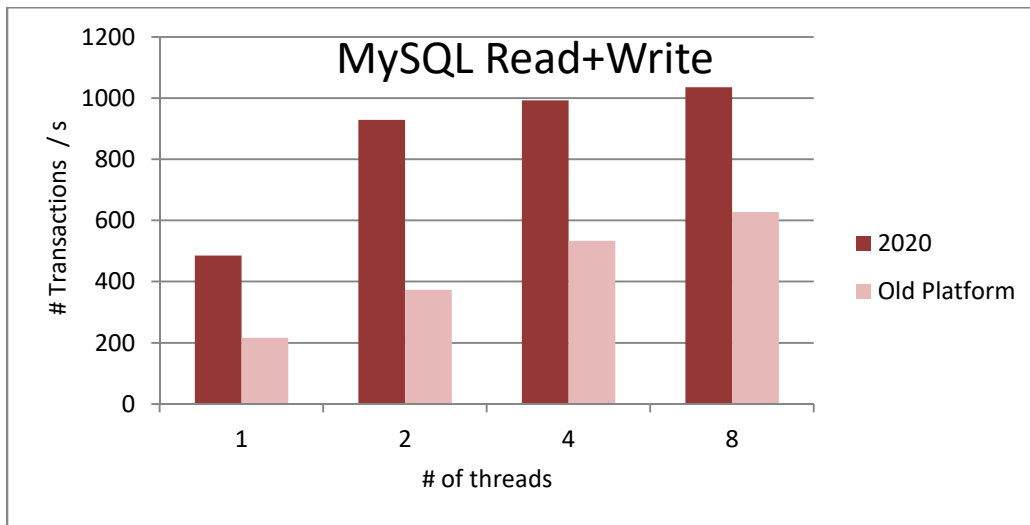


Cabin Group Limited

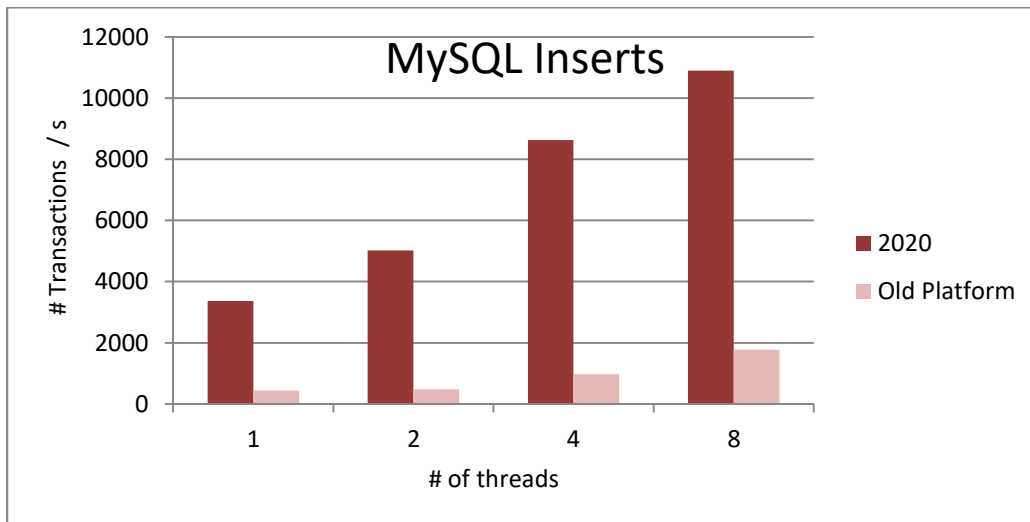
Database Tests

For database test, we're using mariadb which comes with the operating system. The performance for read-write test has doubled and more than 6 times of improvement for insertion tests.

sysbench oltp_read_write



sysbench oltp_insert test





Cabin Group Limited

IO operations and file read/write test

A significant improvement can be seen in file operations. IO operations are magnitude faster in multiples while for sequential operation more than 6 times of improvements.

fioread and fiowrite with bs=4k and iodepth 64



dd seqread and seqwrite with bs=2M

