

Kafka Producer-Consumer Rate

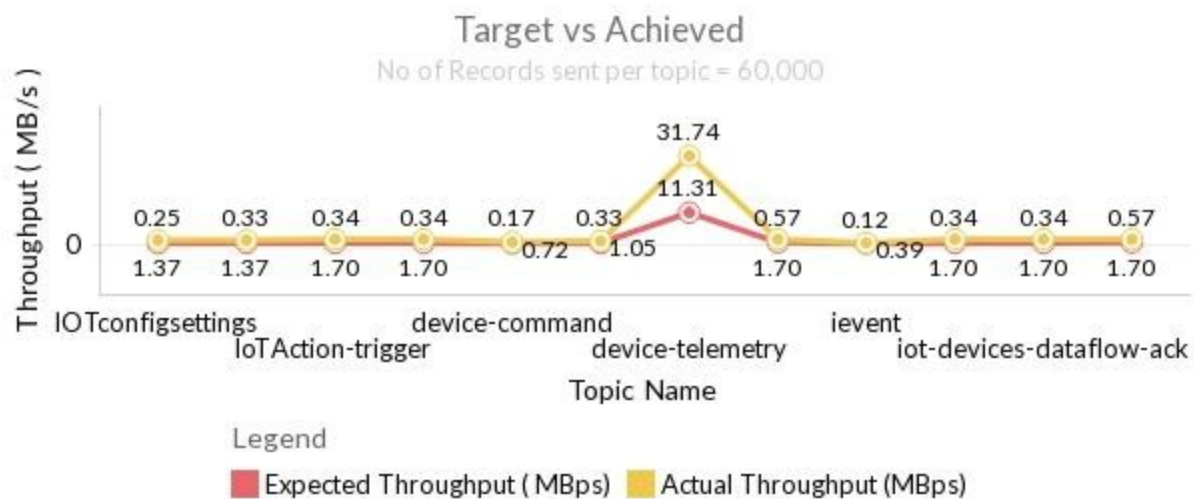
The results plotted here are *average*.

Target vs Achieved Throughput :

Single thread, Single machine :

No of topics = 12, each with 10 partition

Actual Throughput = ~3 x Expected Throughput



Regarding Consumer throughput,

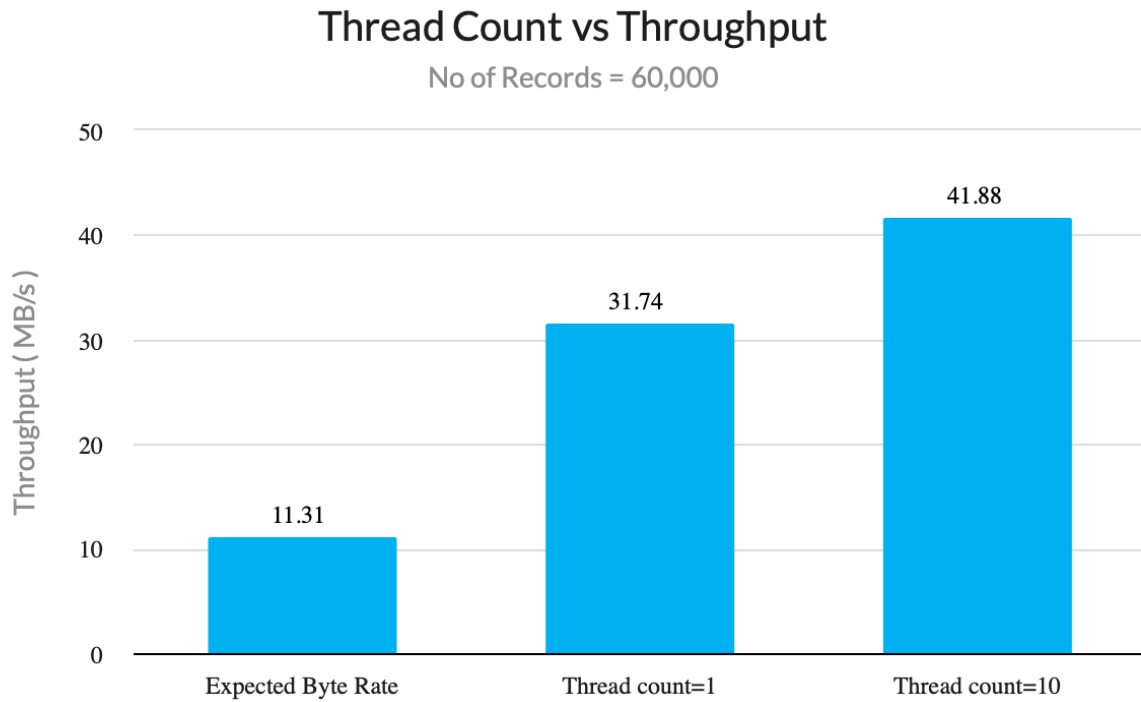
It is similar to Producer throughput.

No of threads per consumer group for a topic should be equal to the number of partitions for the topic.

10 threads, 5 machines :

Message size = 100kb

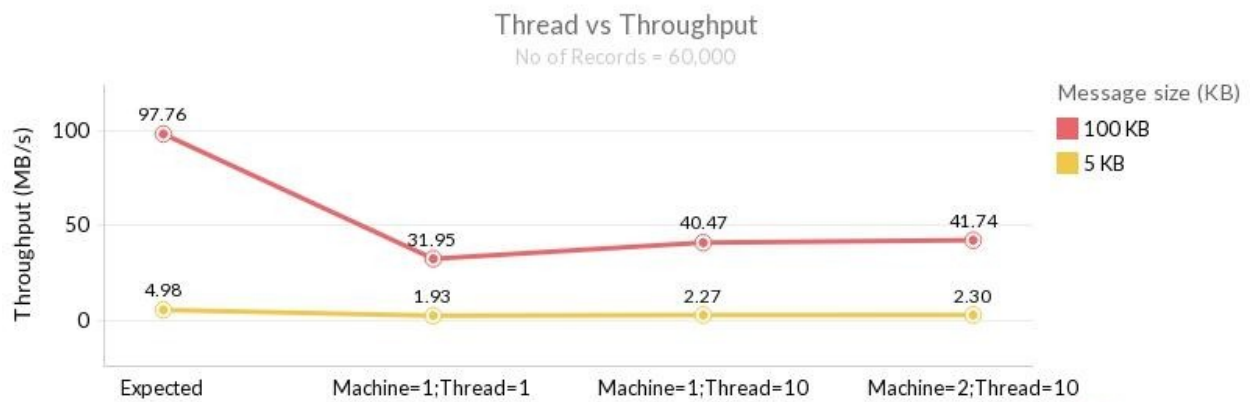
No of topics = 1, each with 10 partition



The above result is repeated even, when Thread count = 10 in a single machine.

Trying to send 60,000 records in 2 minutes using single thread is appx shared by 10 threads for doing the same.

Impact of Threads, Machines



For sending 60,000 records in 2 mins, at the max , records send rate is appx 300 messages per sec, irrespective of message size.

