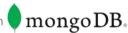
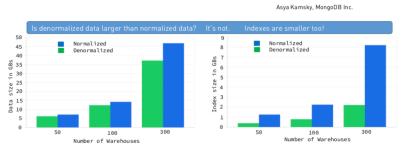
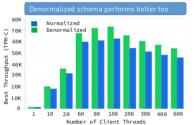
Benchmarking is HARD!

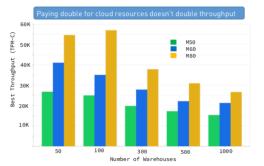
Comparing noSQL to RDBMS is extra hard: you must accept inherent differences in approaches Adapting TPC-C Benchmark to Measure Performance of Multi-Document Transactions in lacksquare lacksquare lacksquare













THE WHAT

MongoDB has more in common with traditional RDMBS We wanted to test newly added multi-document transactions.

There are no meaningful accepted noSQL benchmarks that exercise the full set of capabilities that MongoDB supports. YCSB is a simplistic key-value one-op at a time benchmark.

THE HOW

Made improvements and updates for best performance.

- Better denormalized document schema (no over-embedding)
- More appropriate (compound) secondary indexes
- · Support MongoDB read/write preference/concern options
- i.e. findAndModify instead of update+select
- Use MongoDB native operations · Measured & Compared everything

If you take a relational benchmark and run it "as is" you won't get good results. Adapting it to a different data model

P.S. Everything ran in the cloud so you can reproduce results. Use code VLDB2019 to get \$150 credit to try MongoDB Atlas

