KafMonGoSQL Team 1

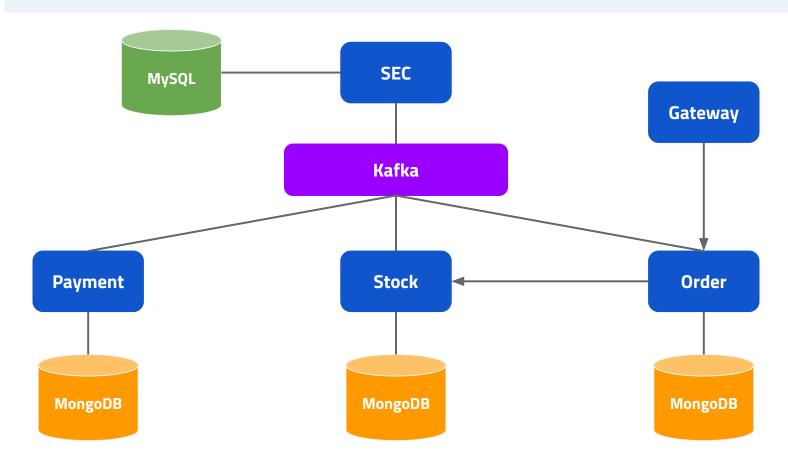
Rahul Kochar, Gijs Paardekooper, Deepali Prabhu, Tobias van den Hurk



Technologies

- Go taking advantage of its parallel computing purpose
- Kafka used for managing SAGAs and microservice messaging
- MongoDB database used by Order, Stock and Payment
- MySQL database used to recover SAGA logs

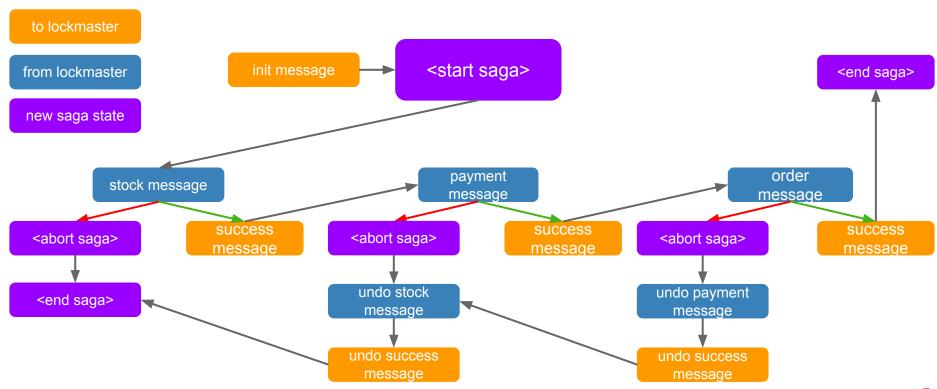
General Structure



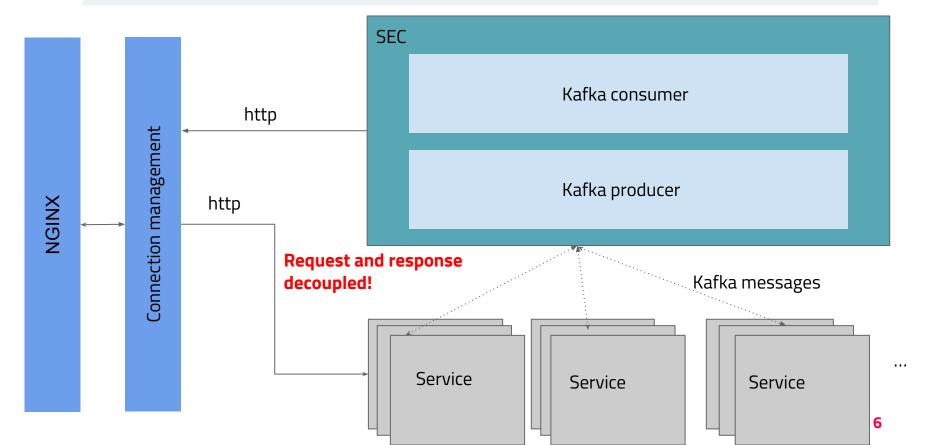
Sagas

- Temporary inconsistency
- SEC Saga Execution Coordinator
- MySQL log for abort

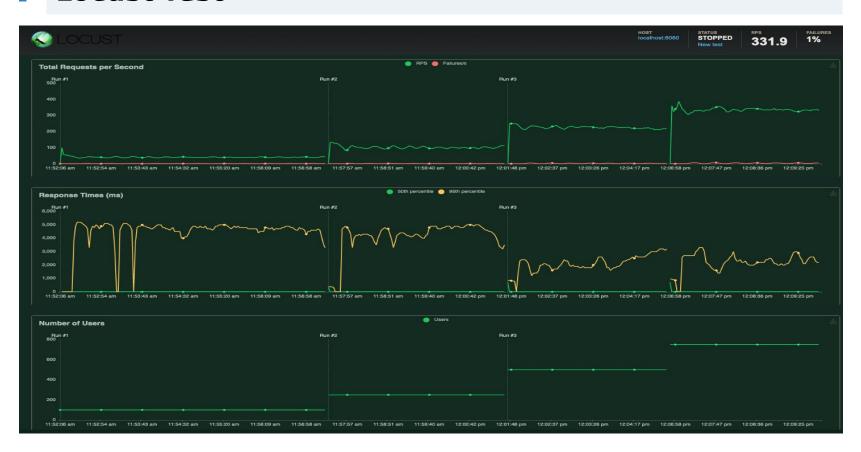
Checkout Saga

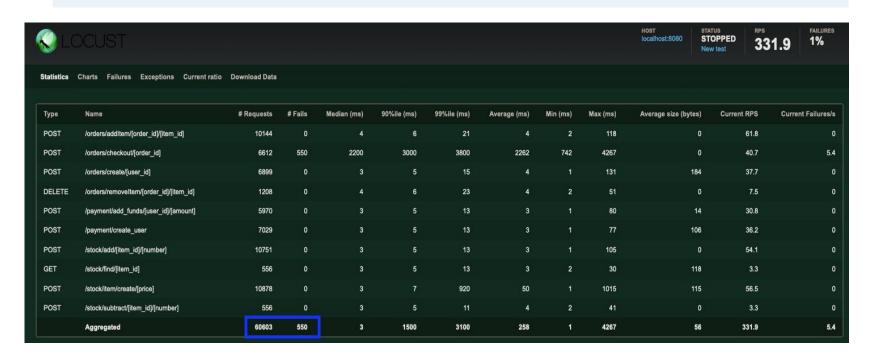


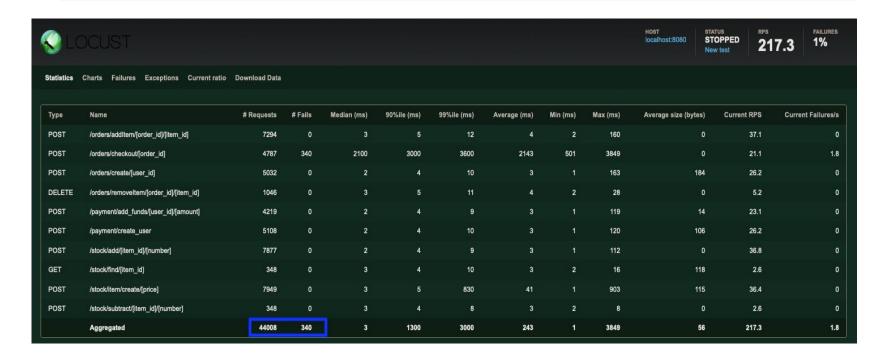
API Gateway

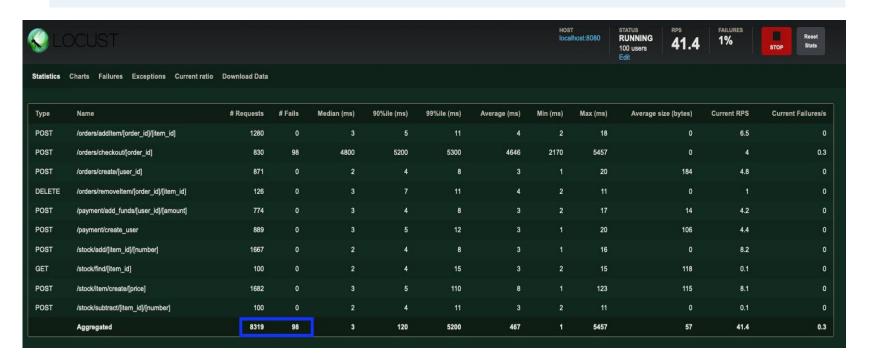


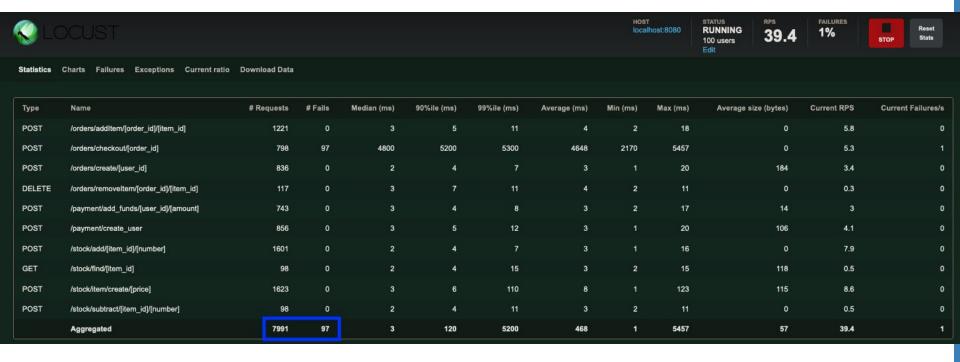
Results





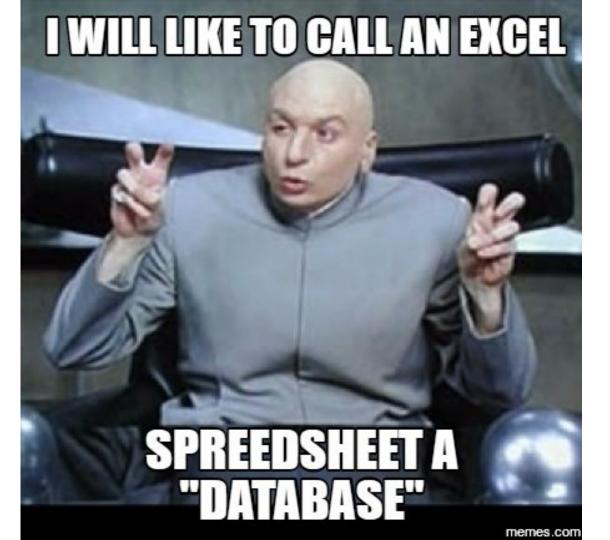






In Hindsight

- Don't over engineer
- Use off-the-shelf products (serverless) instead of trying to build them
- Better communication and coordination
- Start working on Kubernetes earlier to avoid issues that arise when migrating from local development at a later stage



Ideal SAGA

