



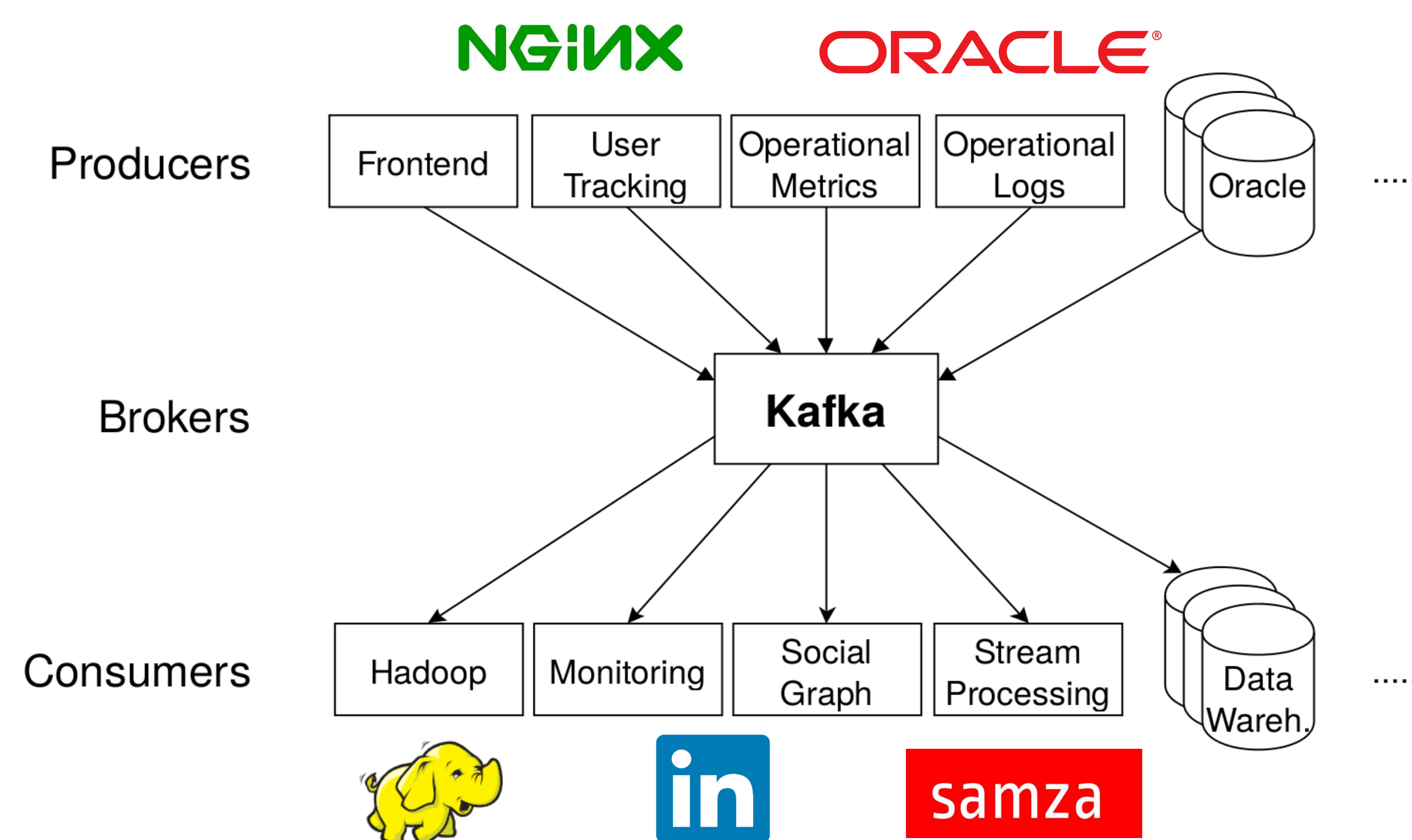
Marc Juchli



Lorenz Wolf

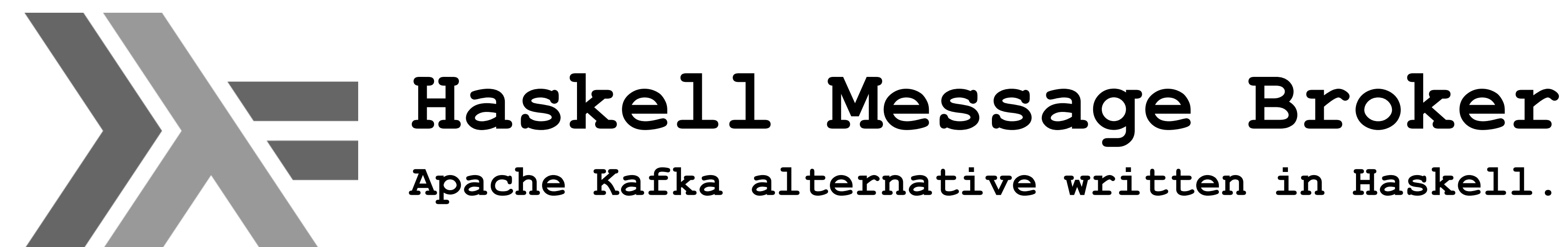
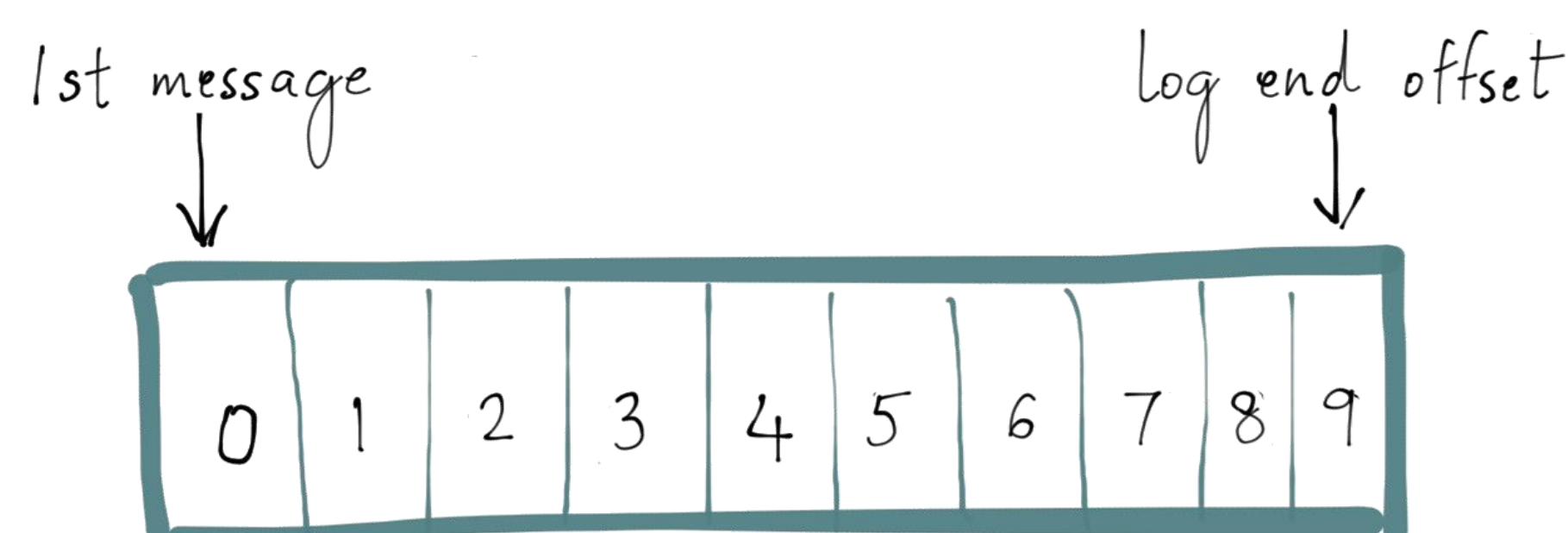


Kafka is a distributed, partitioned, replicated commit log service. It provides the functionality of a messaging system, but with a unique design.



We ♥ Logs

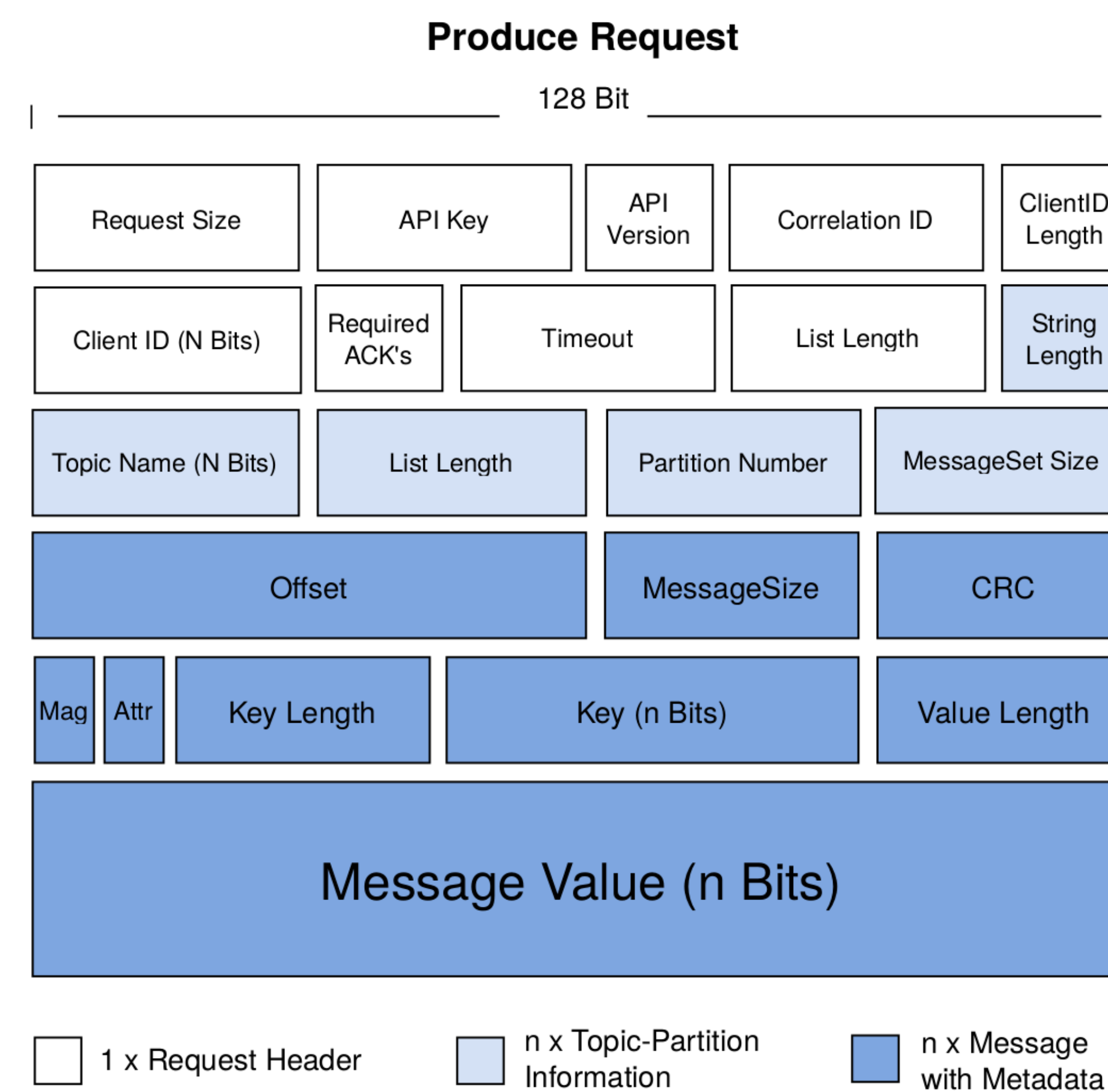
Kafka Messages are persisted on disk. The abstraction of the storage is called Log. An append-only, ordered sequence of records ordered by time:



Approach to adapt concepts of Apache Kafka with the purely-functional programming language Haskell.

Kafka Protocol Implementation

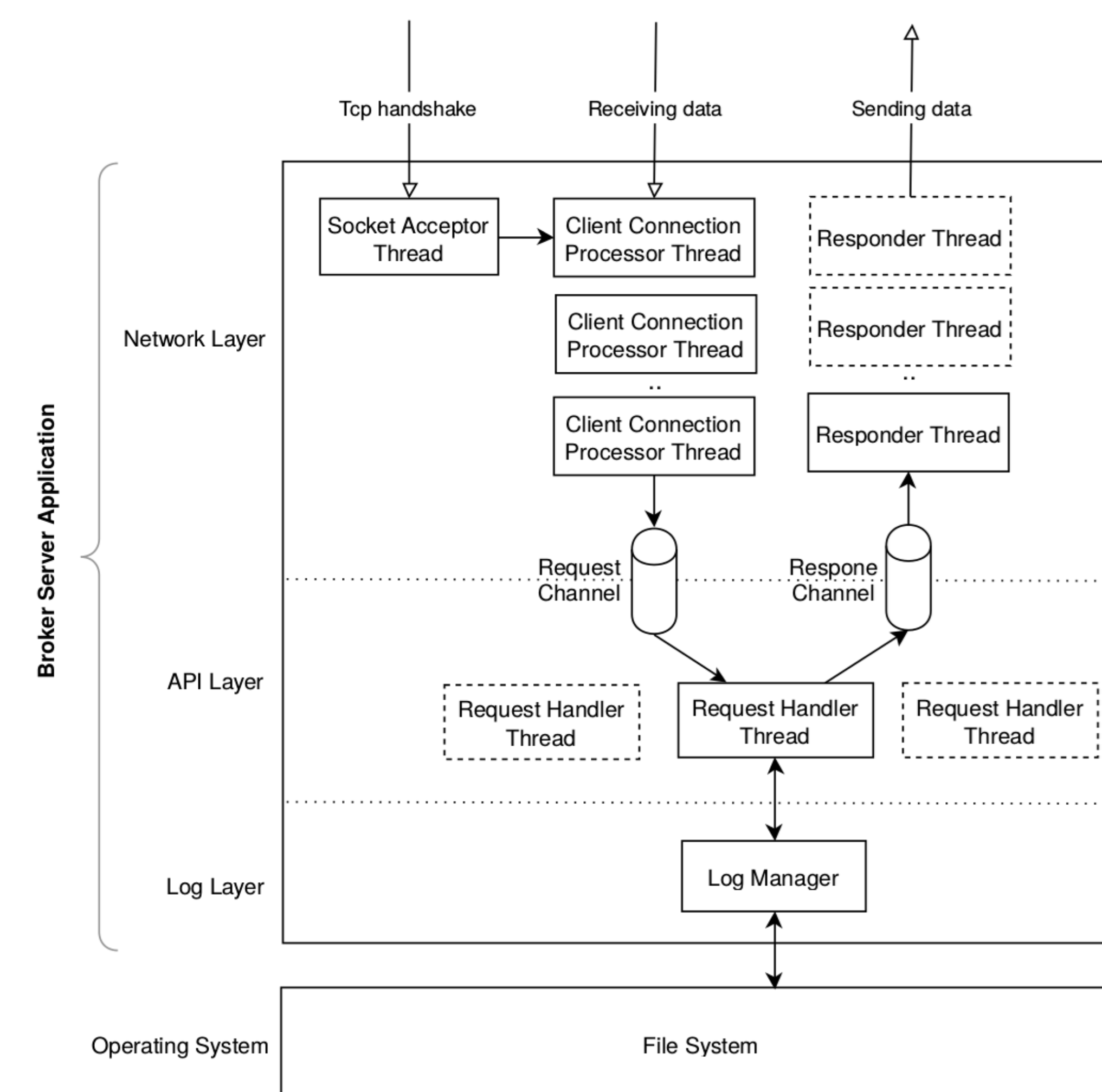
Defining Types
Decoding / Encoding
Client API



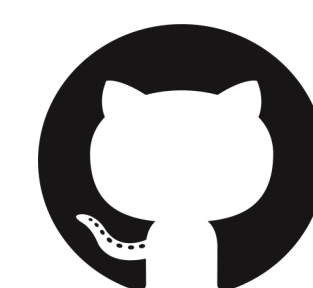
Extract from Protocol Implementation,
Request for producing Messages

Broker Implementation

Server Application
Producing / Consuming
Persisting Messages in Log



Internals of Broker Server Application



View our code on Github
<https://github.com/hmb-ba>

Preferred literature
to learn Haskell!

