Global TCP load balancer

Routes requests to nearest healthy server and provides sticky availability / session affinity.

Backend application

Vax
data access library

Native API

Backend application

Vax
data access library

Native API

Database server

Database server

Database server

Database server

Database server

Database server

Operational replication

Exactly-once delivery.
CRDT-based merges.

Cluster
Snapshot isolation,
sharding / partitioning

Cluster
Snapshot isolation,
sharding / partitioning

DC / Region
Backend app and DB cluster
in the same cloud region

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