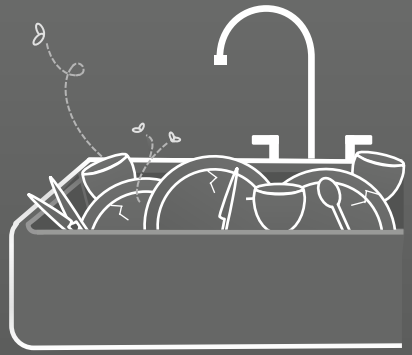
The New De-Normal

Monolithic Databases

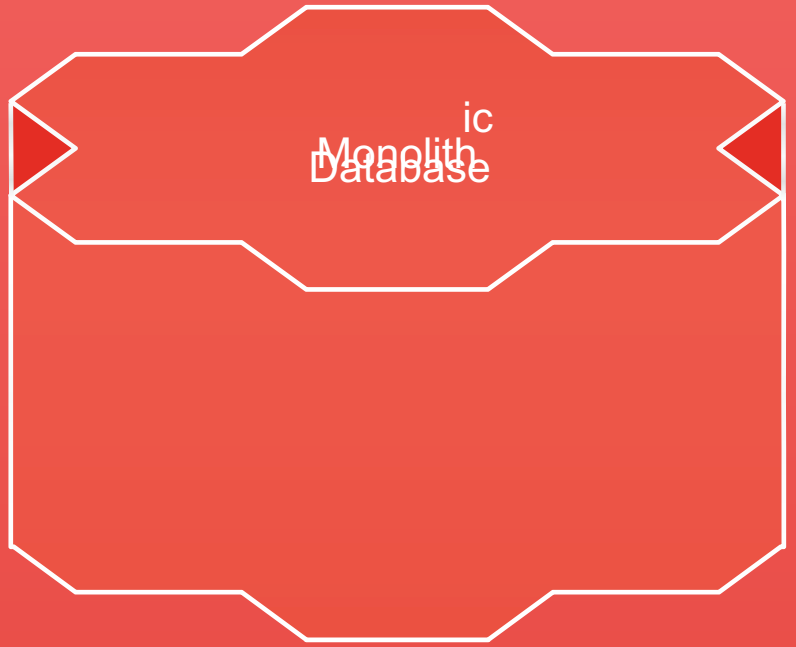


Kitchen Sink Analogy

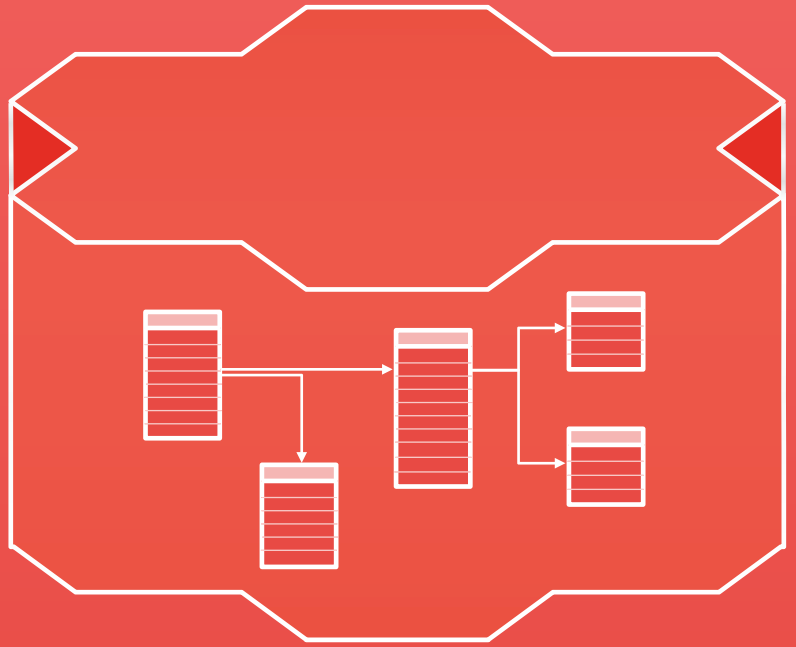
De-normalized

Expensive, Hard to Create and Run

Expensive, Hard to Create and Run



Database Schema
Entity Relationship



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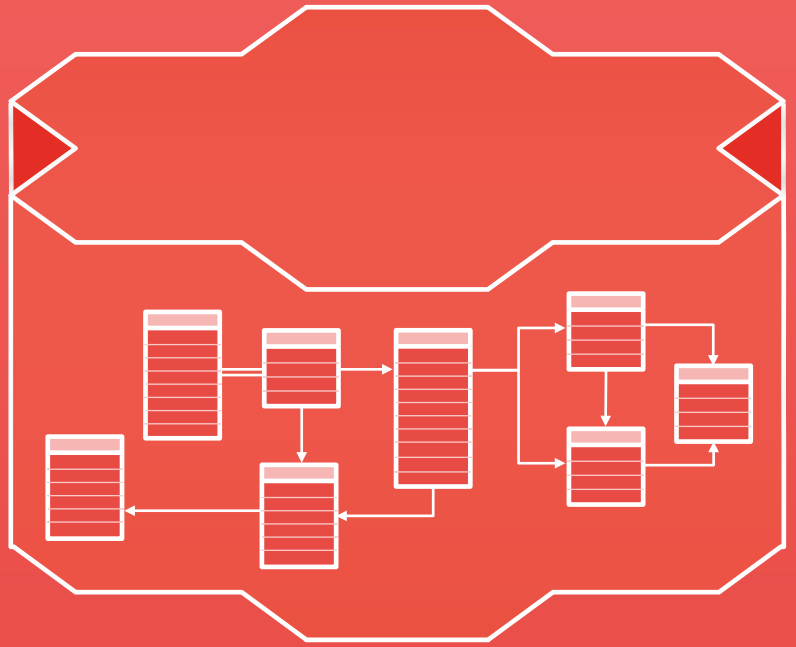

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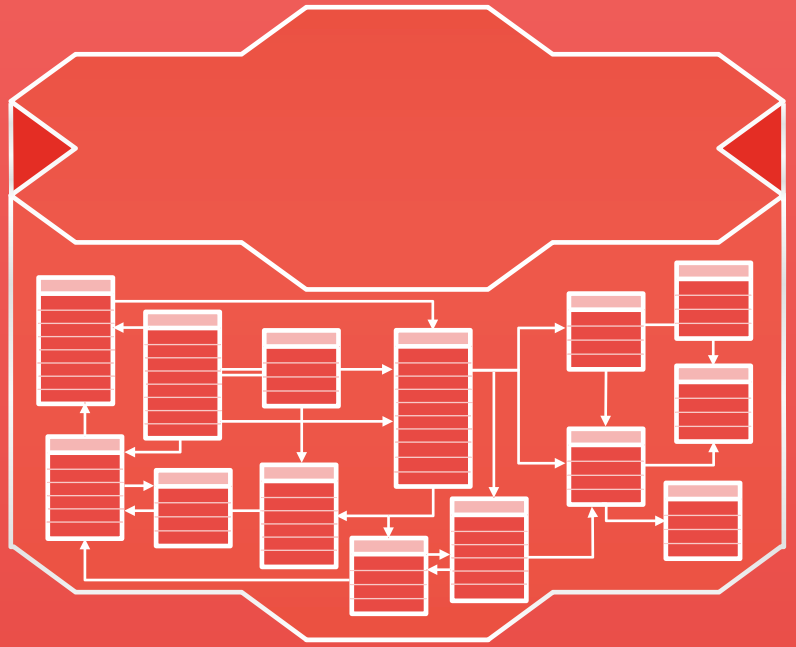
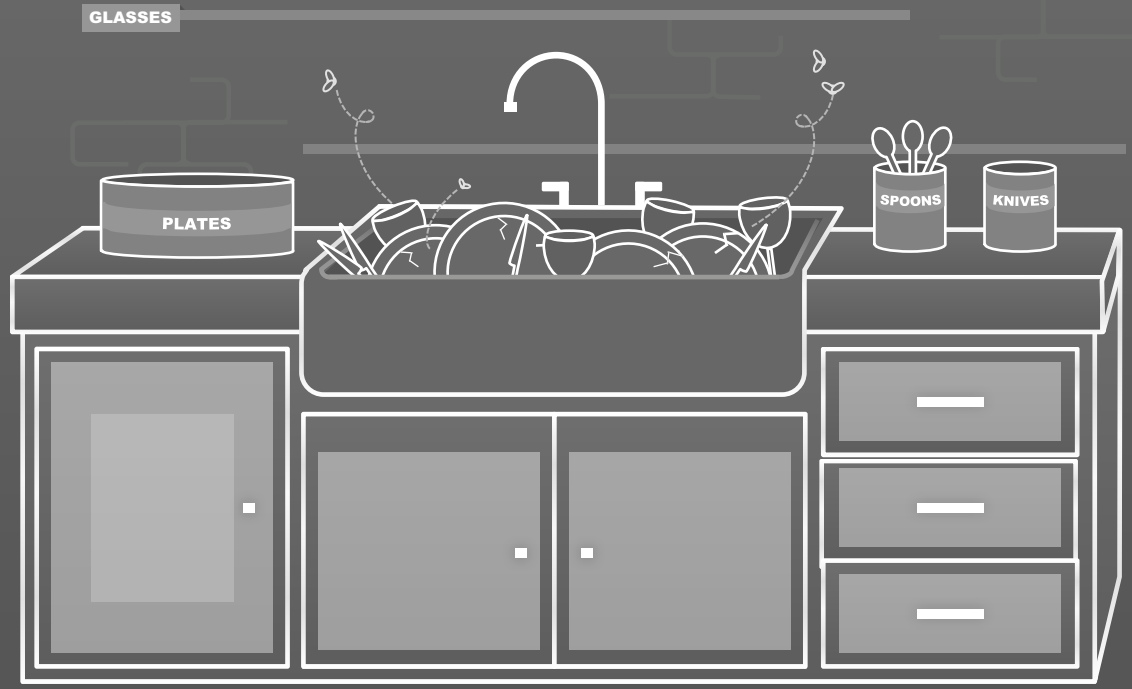


Kitchen Sink Analogy

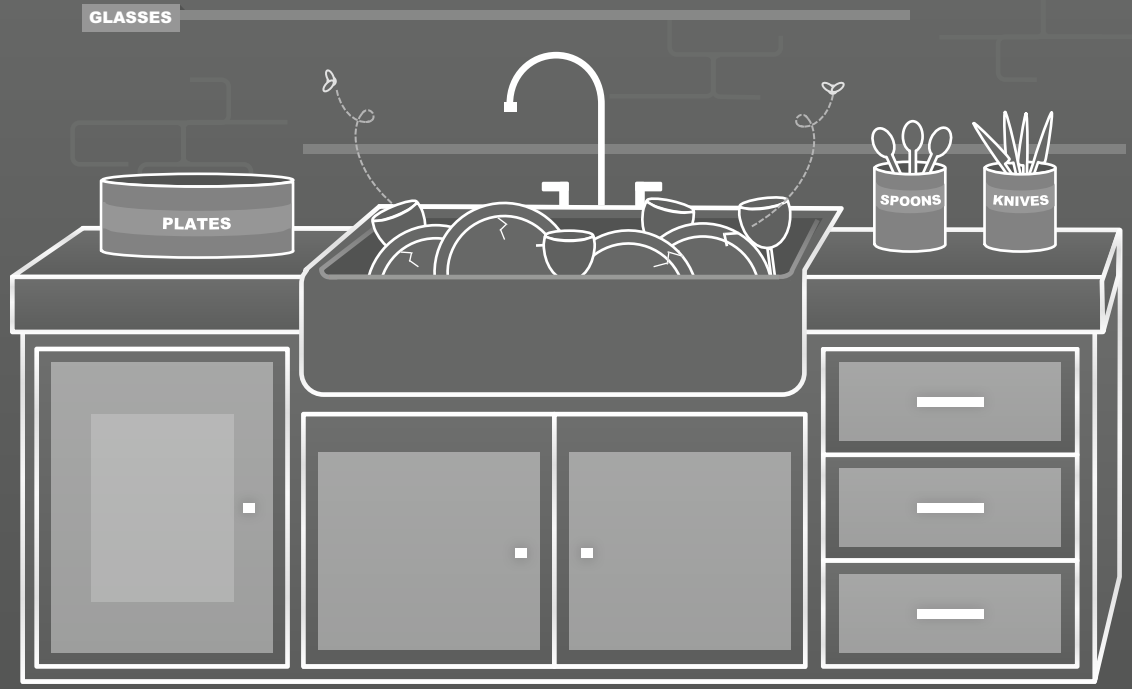
Kitchen Sink Cleanup

Kitchen Sink Cleanup

Kitchen Sink Cleanup



Kitchen Sink Cleanup



Kitchen Sink Cleanup

Kitchen Sink Cleanup

Kitchen Sink Cleanup

Consistency Problem

How Many Complete Sets Are There?

Consistency Problem

How Many Complete Sets Are There?

Consistency Problem

How Many Complete Sets Are There?

Adding a New Use Case

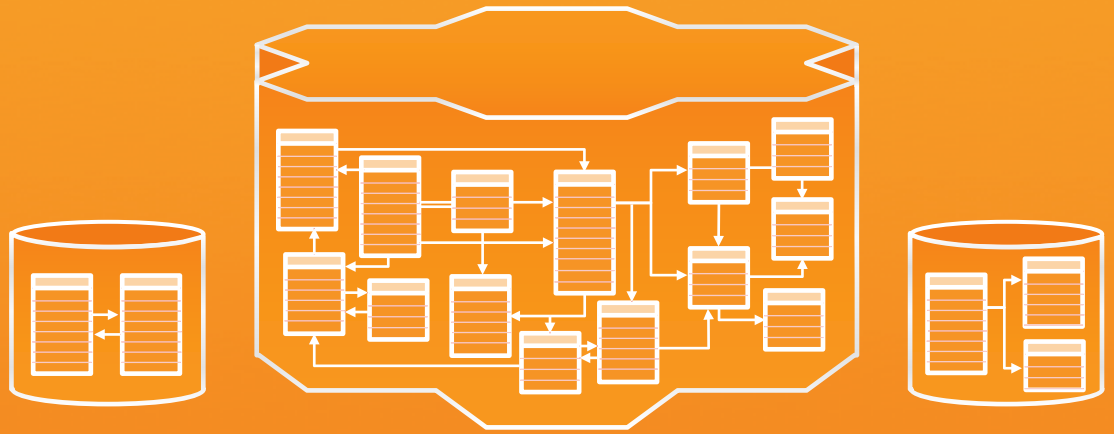
Adding a New Use Case

Cloud Makes it Easy to Add New Databases

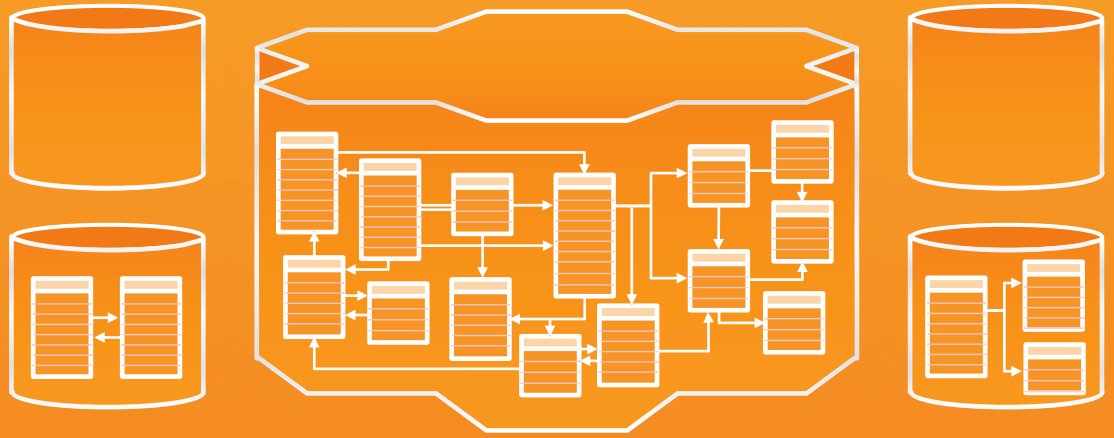
Amazon DMS

Amazon DynamoDB

Amazon RDS



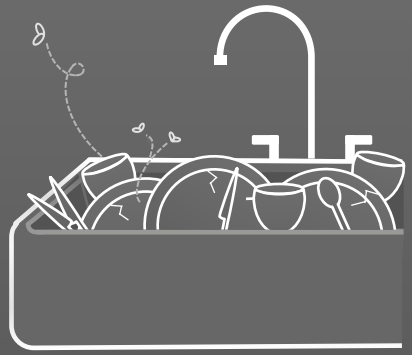
Untangle and Migrate Existing “Kitchen Sink” Schemas



Untangle and Migrate Existing “Kitchen Sink” Schemas

The New De-Normal

Monolithic Databases



Kitchen Sink Analogy

De-normalized