

# Reactive Solutions for the Real World

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# Network Communications



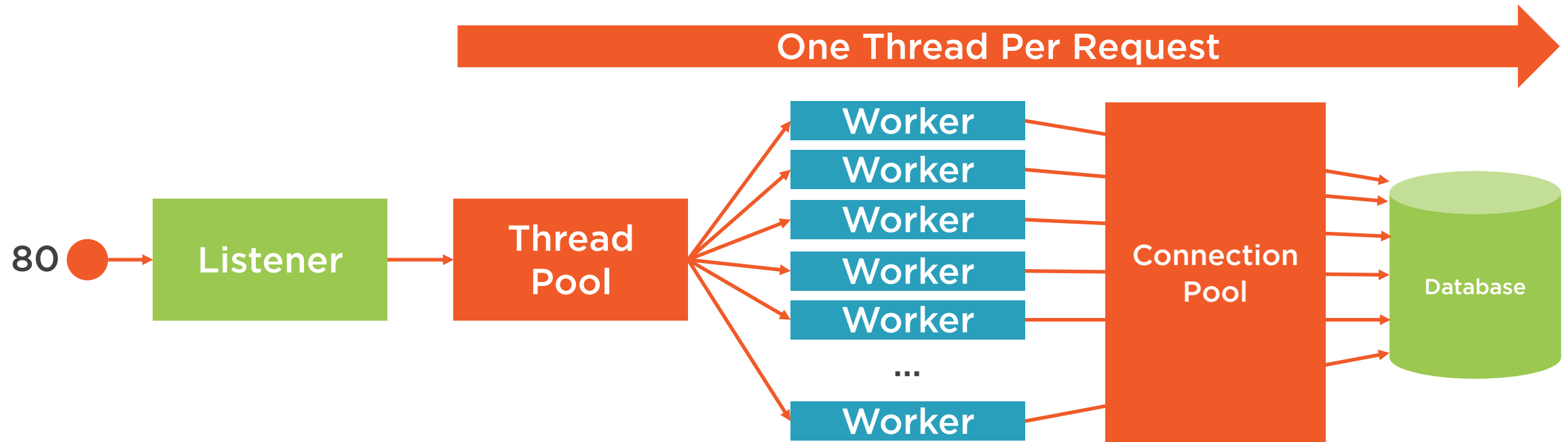
**Threading Paradigm Shift**

**Asynchronous Network Calls**

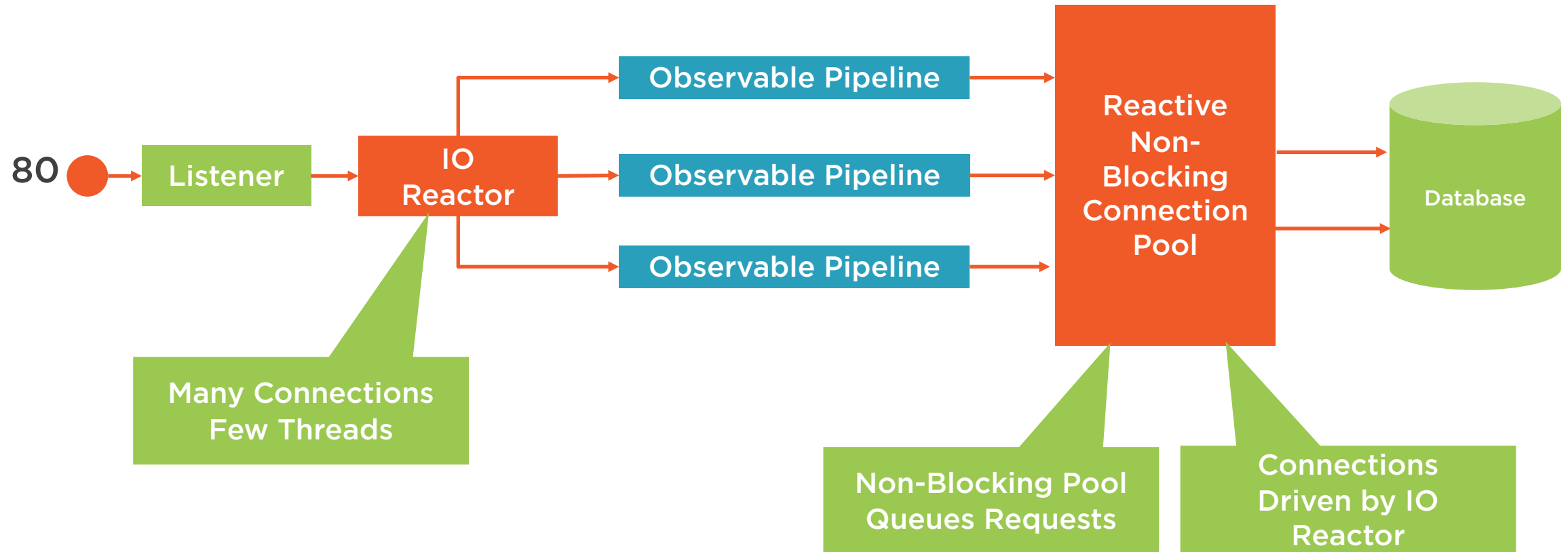
**Network Error Handling and Timeouts**



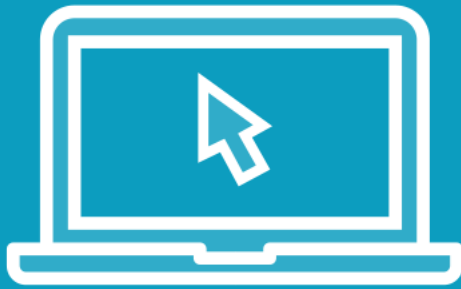
# Traditional Server Thread Structure



# Reactive Server Thread Structure



# Demo



Asynchronous Network Communication  
Network Error Handling and Timeouts



## Database Interaction



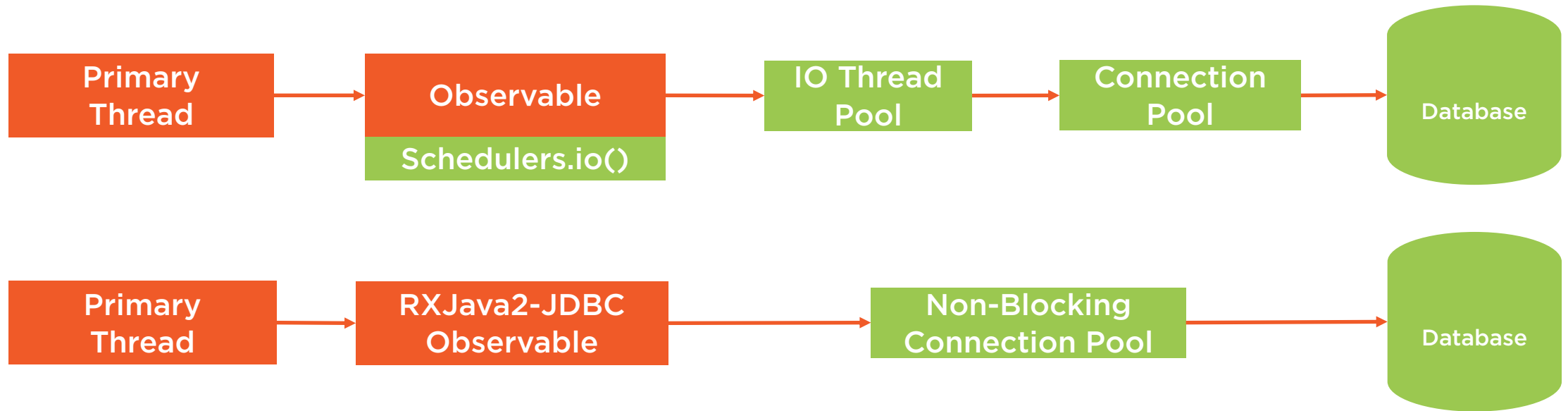
**Asynchronous Database Access**

**Flow Control for Large Result Sets**

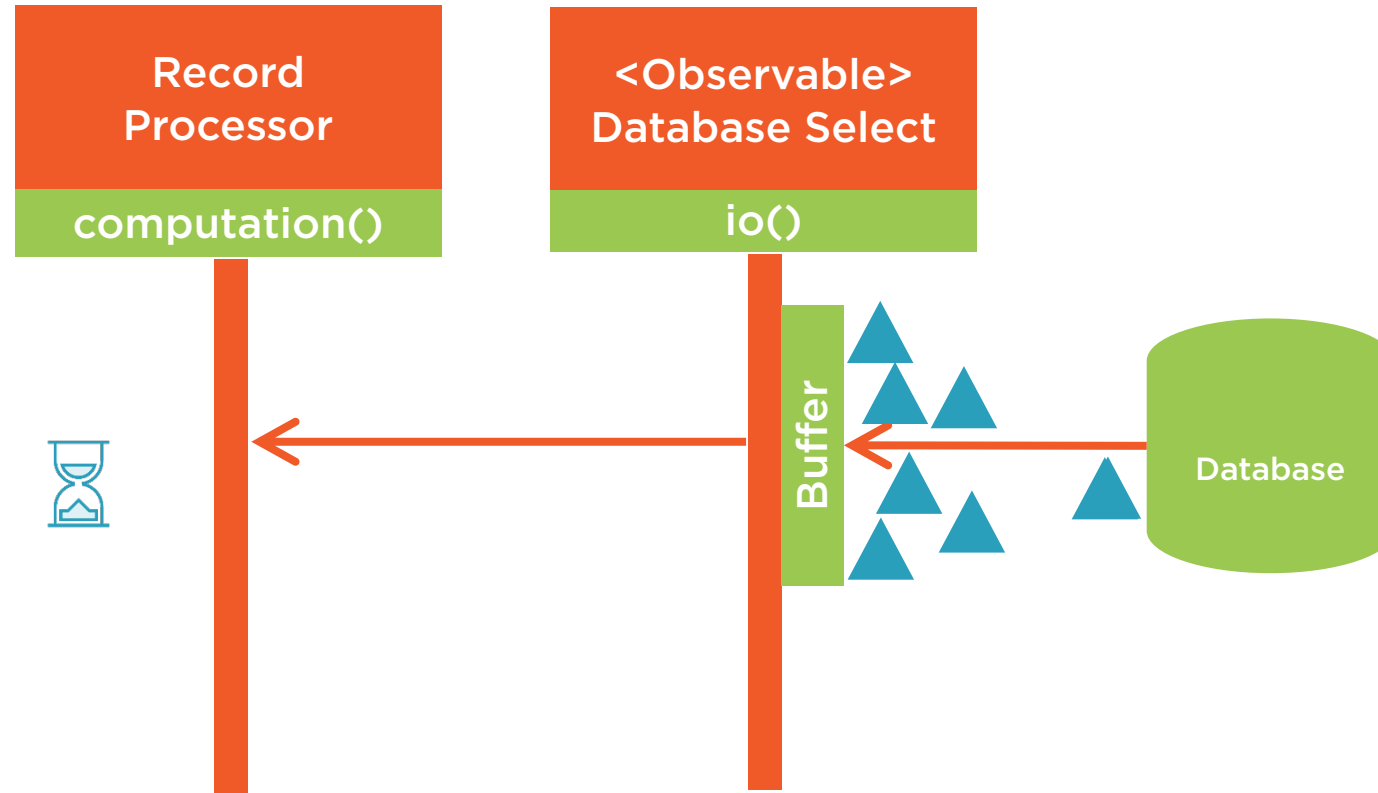
**Parallel Flowables**



# Asynchronous Database Access

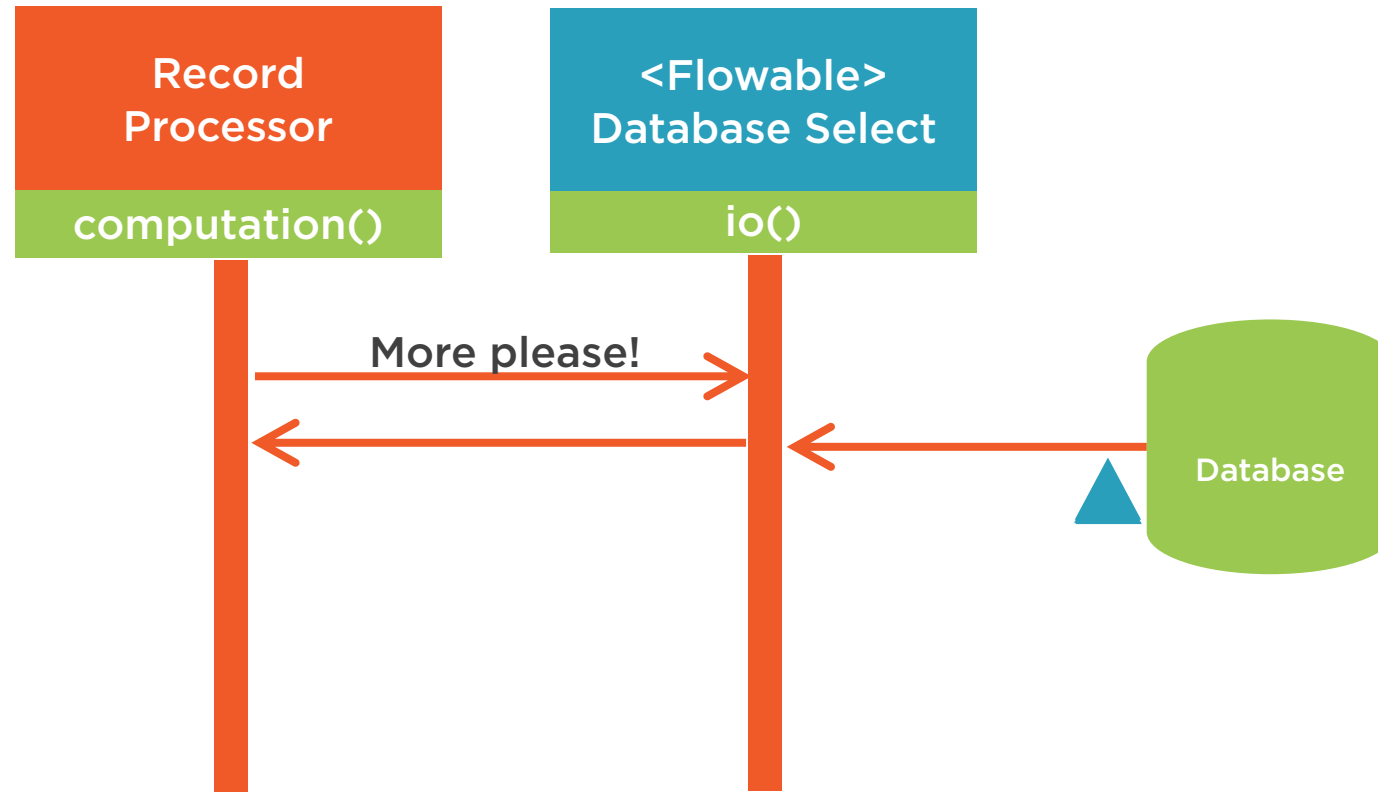


# Flow Control for Large Result Sets

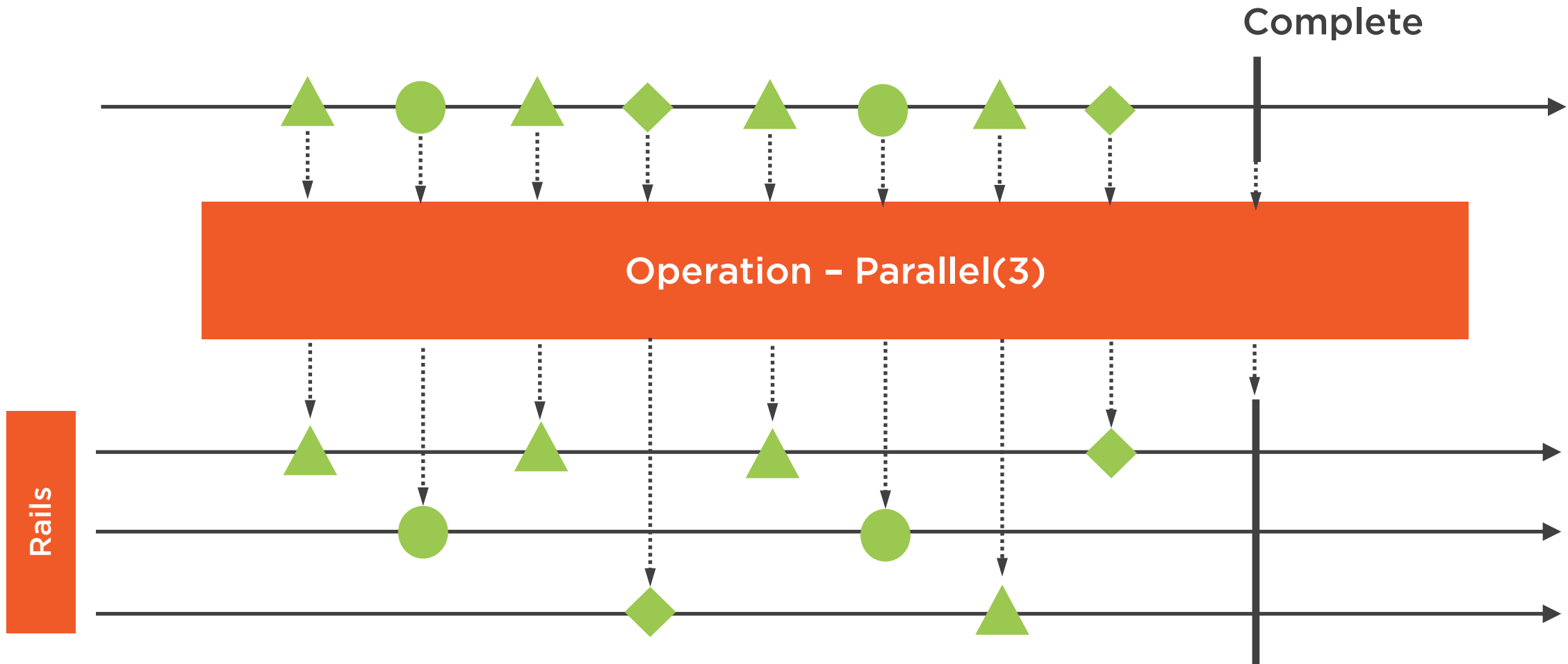




# Flow Control for Large Result Sets



# Parallel Flowables



# Demo



**Asynchronous Database Access**

**Flow Control for Large Result Sets**

**Parallel Flowables**



## Database Interaction

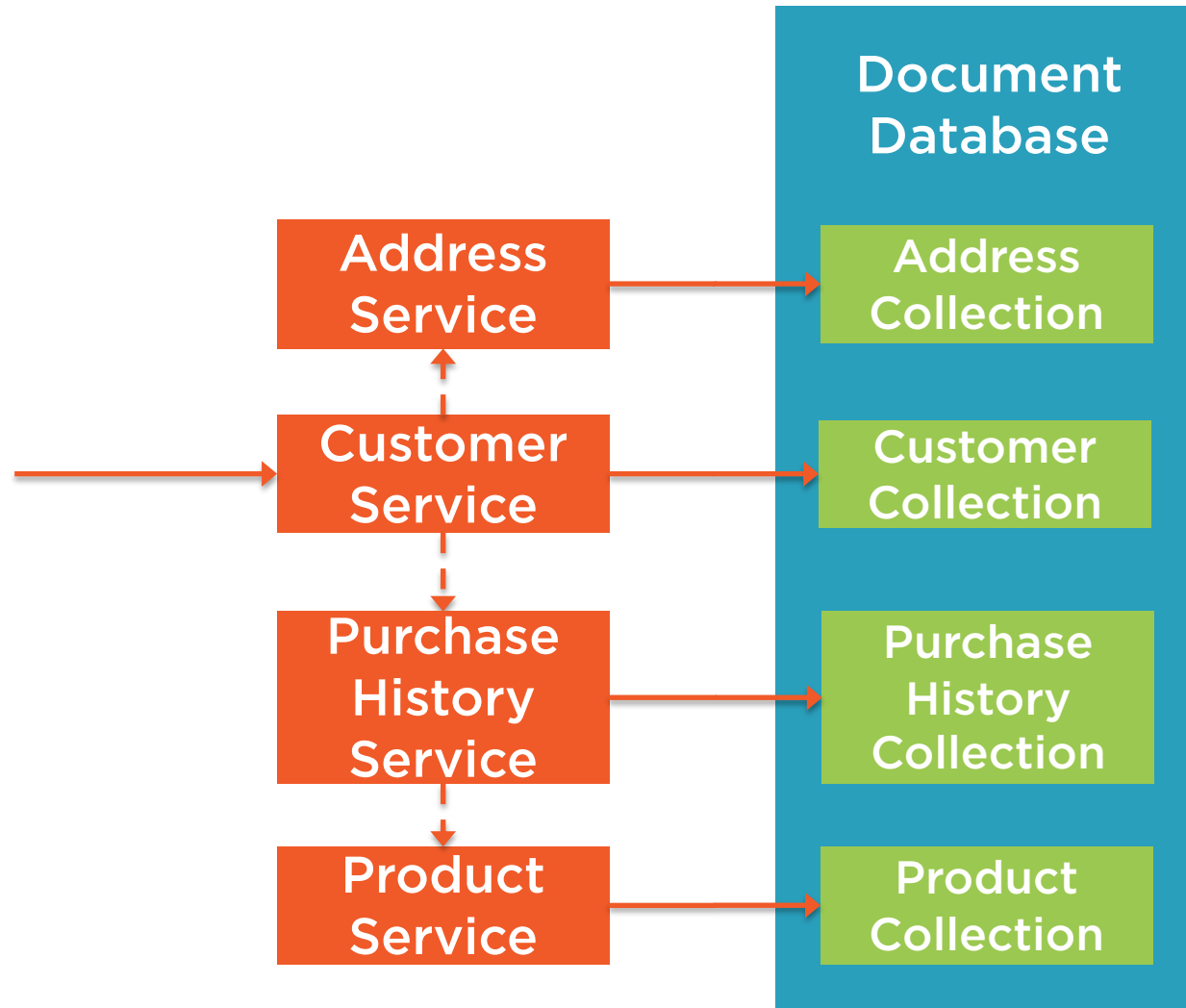


**Data Aggregation**

**Concurrent Data Processing**



# Data Aggregation



# Demo



Data Aggregation

Concurrent Processing

