

The **My Account Balance API** is based on my previous project of Event Sourcing on GitHub called [ivanpaulovich/jambo](https://github.com/ivanpaulovich/jambo) (please checkout).

Architectural Styles used

- CQRS
- Domain-Driven Design
- Aggregates + Event Sourcing
- Optimistic Concurrency

Data

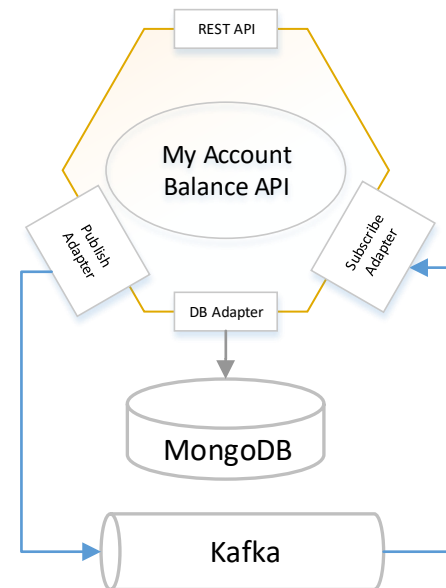
- Kafka stream as the source of true
- MongoDB as Event Stream projection
- Avoids Single Point of Failure
- Distributed Data

Authentication

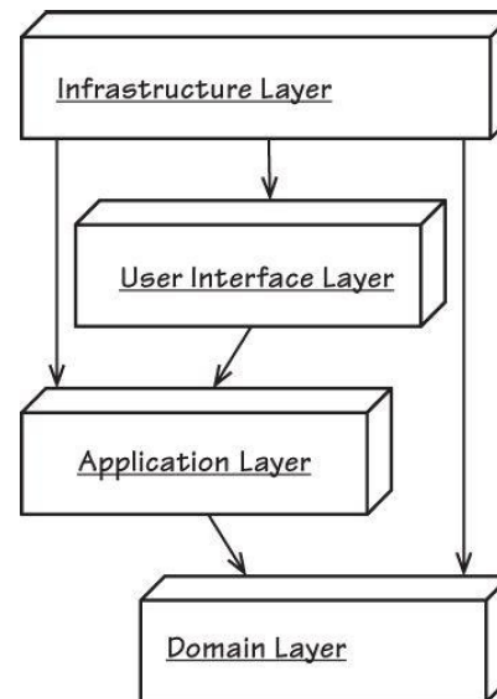
- Bearer Authentication

Principles

- SOLID
- Microservices
 - Independent
 - Autonomous
 - Modelled around business Domain



Application architecture based on the IDDD (Chapter 4 of Vaughn Vernon) that explains Hexagonal Application Architecture and based on Events-Driven Architecture.



Frameworks used

- WebAPI
- Autofac
- MediatR
- MongoDB.Driver
- Dapper
- Confluent.Kafka
- SwashBuckle

Figure 4.3. The possible Layers when the Dependency Inversion Principle is used. We move the Infrastructure Layer above all others, enabling it to implement interfaces for all Layers below.