Kafka Project

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1 Tools

May use Java 8
    May use Spring Boot and Swagger to implement a REST API
    Test REST using Postman
    Use zkClient to connect to Zookeeper
    Use AdminClient to connect to Kafka
    Use Kafka version 2.1 or 0.11

2 CRUDL and architecture

Consider multiple architectures: microservices, monolith or client server
    Construct CRUDL operations resource by resource (create, read, update, delete, list)
    The important Kafka resources are: topics, partitions, messages, consumers, producers, streams
    It is impossible to create all CRUDL operations for each resource
    Assume an intranet for the purpose of security
    Construct a minimal UI for testing

3 Implementation

Wrap each and every Kafka functions in your own function to prevent API changes from effecting the project
    Make notes about naming conventions
    Take notes about Kafka resources and API
    Always have the bigger picture in mind
    Monitoring seems to be a bit more important then CRUDL operations
    Take notes about the different preexisting solutions and libraries
    Abstract the configuration

4   Misc

Hamag Bicro agency, a big project