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 ili 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