**Intro**

In the last post we talked about how Kafka can be used as a message subscribe system for handling data. Today we will be setting up a web service that acts as a producer. A consumer program will listen for data and publish to a database.

The skills needed for this will be Java OOP concepts and some basic SQL.

Here is a diagram for the project we will be creating.

We will be using the Spring framework for our java code. One benefit of spring is that we will have package management and injection and it will auto wire our project which helps simplify things. Taking an online course on Spring would be a good idea.

We will again create 2 Java programs, one for the producer and one for the consumer. In our producer program we created a REST controller to send data over HTTP. This program also creates our Kafka producer and topic.

The consumer program connects to our Kafka topic and listens for incoming data, it will then publish this data to our database which is on MySQL.

I was testing the HTTP request’s using Postman which helps to create and test API’s. This is done by allowing users to create and save HTTP requests and see the results.