Summary:

Kafka course duration will be for 8 hours (daily 1hr 30 min). It will cover Basics of Kafka, Serializer, Deserializer, Avro, Confluent, Kafka Stream Processing, KTable, SpringBoot and Spring Cloud with Kafka.

Kafka Contents

Day-1

1.) What is Kafka?

2.) What is Zookeeper?

3.) Kafka Fundamentals & Architecture

4.) Install Java 11

5.) Install Zookeeper on windows

6.) Setup Kafka on windows

7.) Kafka Command line

8.) Create a Topic

9.) List Topics

10.) Describe Topic

11.) Create a Producer

12.) Create a Consumer

13.) Delete a Topic

Day-2

1.) Install STS 4

2.) Create a Producer Project using Maven

3.) Create a Producer

4.) Sync Send & ASync Send

5.) Create a Consumer Project & Consume Messages

6.) Create a Serializer and Deserializer

Day-3

Use Avro & Launch Confluent Schema Registry

1.) Schema Registry

2.) Launch Confluent Schema Registry

3.) Create Avro Schema

4.) Configure Maven Avro Plugin

5.) Create Producer & Consumer

6.) Test

7.) Stop Confluent Platform

Day-4

Kafka Stream Processing

1.) Create Topic

2.) Create Maven Project

3.) Configure Properties

4.) Create Topology

5.) Start and Stop Stream

6.) Describe Topology

7.) Write to Output Topic

8.) Use Filter method and Map methods

9.) KTable

10.) Aggregate using GroupBy and Count

Day-5

1.) Spring Boot and Kafka

2.) Spring Cloud Stream