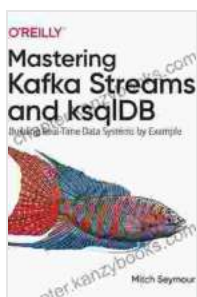


Mastering Kafka Streams and KSQLDB: The Ultimate Guide to Real-Time Data Processing and Analytics

In the era of big data, real-time data processing and analytics have become essential for businesses to stay competitive. Apache Kafka Streams and KSQLDB are two powerful tools that can help organizations unlock the value of their streaming data.



Mastering Kafka Streams and ksqlDB: Building Real-Time Data Systems by Example by Mitch Seymour

★★★★☆ 4.8 out of 5

Language : English
File size : 12494 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 549 pages
Screen Reader : Supported



This comprehensive guide will provide you with a deep dive into the capabilities of Kafka Streams and KSQLDB, enabling you to build scalable, high-performance streaming applications with confidence.

What is Apache Kafka Streams?

Apache Kafka Streams is a stream processing library that allows you to transform and process data in real-time as it flows through your Kafka topics. It provides a high-level API that makes it easy to write complex data

processing pipelines without having to worry about the underlying details of Kafka.

What is KSQLDB?

KSQLDB is a streaming database that allows you to query and analyze your streaming data in real-time. It provides a SQL-like syntax that makes it easy to write queries that can be executed against your Kafka topics.

Why Use Kafka Streams and KSQLDB?

Together, Kafka Streams and KSQLDB offer a powerful solution for real-time data processing and analytics. By using these tools, you can:

- * Build scalable, high-performance streaming applications
- * Process data in real-time as it flows through your Kafka topics
- * Query and analyze your streaming data in real-time
- * Gain insights from your data to make better decisions

Who Should Read This Book?

This book is intended for developers, architects, and data scientists who want to learn how to build scalable, high-performance streaming applications with Kafka Streams and KSQLDB.

What You Will Learn

In this book, you will learn:

- * The basics of Apache Kafka Streams and KSQLDB
- * How to build streaming applications with Kafka Streams
- * How to query and analyze your streaming data with KSQLDB
- * How to integrate Kafka Streams and

KSQLDB with other technologies * Best practices for building scalable, high-performance streaming applications

Table of Contents

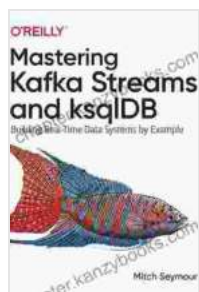
* Chapter 1: to Apache Kafka Streams and KSQLDB * Chapter 2: Building Streaming Applications with Kafka Streams * Chapter 3: Querying and Analyzing Streaming Data with KSQLDB * Chapter 4: Integrating Kafka Streams and KSQLDB with Other Technologies * Chapter 5: Best Practices for Building Scalable, High-Performance Streaming Applications

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