



TRAINING CERTIFICATE

BY  **DataFlow**
ACADEMY



Apache Kafka Fundamentals

Course

November, 05 - 06, 2024

Date

Marius Rikheim

Name



Signature

Basic Fundamentals Training



Day 1: Hello Kafka

We discover Apache Kafka and learn how to use it successfully. We cover the basics so that the participants can apply the new skills immediately after the training.



Day 2: Understanding and using Kafka

Building on what we learned on the first day we deepen our knowledge and experience with Kafka. We learn how Kafka really achieves reliability and scalability and how to optimize our Kafka cluster.

THE LAUNCH PAD FOR YOUR SUCCESS

FOCUS

Why Kafka? Motivation for Kafka and common use cases.

What do we transport with Kafka? Message types and topics.

Kafka as a distributed Log: Logs, distributed systems, Kafka components, Kafka as a streaming platform.

How does Kafka achieve its performance? Partitions and consumer groups.

FOCUS

What happens inside clients and brokers? Producing and consuming messages

How does replication work? Persisting messages; understanding Data and file structures

How to delete old data? Cleanup Data; Log retention and compaction

Insights into the Kafka ecosystem: Establishing connection to other systems like databases and external systems with Kafka Connect?



Course completed



CommIT to flow



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