Confluent/Kafka Learning Resources

Download

- Confluent Platform Download

Confluent Enterprise and Confluent Cloud

- Confluent Platform Features & Benefits
- Confluent Cloud Standard and Dedicated
- Confluent Platform Connectors

Learning Materials

Watch & Listen

- Streaming Audio: a Confluent podcast about Apache Kafka
- Upcoming and Previous Online Talks
- Kafka Summit San Francisco 2018
- Kafka Summit London 2018
- Kafka Summit San Francisco 2019
- Kafka Summit Londo 2019
- Confluent Youtube Channel

Read

- Confluent Documentation
- Apache Kafka Documentation
- Designing Event Driven Systems eBook
- Making Sense of Stream Processing eBook
- Kafka: The Definitive Guide eBook
- I Heart Logs eBook

Hands on

- Confluent Github Examples
- Confluent Github Demos
- Say Hello World to event streaming

Many more resources from our website can be found here and here

Whitepapers

- Best Practices for Developing Apache Kafka Applications on Confluent Cloud
- Confluent Platform Reference Architecture
- Disaster Recovery for Multi-Datacenter Apache Kafka Deployments
- Comparing Confluent Platform with Traditional Messaging Middleware
- Microservices in the Apache Kafka Ecosystem

Professional Services

- https://www.confluent.io/services/

Training

- Public Training Schedule
- Developer Training Datasheet
- Operations Training Datasheet

Community Support

- **Slack group**: https://slackpass.io/confluentcommunity
- **Mailing list**: https://groups.google.com/forum/#!forum/confluent-platform

Blog Posts

Microservices and Kafka

- Part 1: The Data Dichotomy: Rethinking the Way We Treat Data and Services
- Part 2: Build Services on a Backbone of Events
- Part 3: Using Apache Kafka as a Scalable, Event-Driven Backbone for Service Architectures
- Part 4: Chain Services with Exactly-Once Guarantees
- Part 5: Messaging as the Single Source of Truth
- Part 6: Leveraging the Power of a Database 'Unbundled'
- Part 7: Building a Microservices Ecosystem with Kafka Streams and KSQL

Data Pipelines

- Part 1: The Simplest Useful Kafka Connect Data Pipeline in the World…or Thereabouts
- Part 2: The Simplest Useful Kafka Connect Data Pipeline in the World…or Thereabouts
- Part 3: The Simplest Useful Kafka Connect Data Pipeline in the World…or Thereabouts
- KSQL in Action: Real-Time Streaming ETL from Oracle Transactional Data
- No More Silos: How to Integrate Your Databases with Apache Kafka and CDC

- Building a Real-Time Streaming ETL Pipeline in 20 Minutes
- The Future of ETL Isn't What It Used To Be
- Yes, Virginia, You Really Do Need a Schema Registry
- Pipeline to the Cloud – Streaming On-Premises Data for Cloud Analytics
- On Track with Apache Kafka – Building a Streaming ETL Solution with Rail Data

Stream Processing

- Part 1: Streams and Tables in Apache Kafka: A Primer
- Part 2: Streams and Tables in Apache Kafka: Topics, Partitions, and Storage Fundamentals
- Part 3: Streams and Tables in Apache Kafka: Processing Fundamentals with Kafka Streams and ksqlDB
- P\rt 4: Streams and Tables in Apache Kafka: Elasticity, Fault Tolerance, and Other Advanced Concepts

Persisting data in Kafka

- It's Okay To Store Data In Apache Kafka
- Handling GDPR with Apache Kafka: How does a log forget?
- Publishing with Apache Kafka at The New York

Exactly-Once Semantics (EOS) and Transactions in Kafka

- https://www.confluent.io/blog/exactly-once-semantics-are-possible-heres-how-apache-kafka-does-it/
- https://medium.com/@jaykreps/exactly-once-support-in-apache-kafka-55e1fdd0a35f

Kafka and Machine Learning

- Streaming Machine Learning with Tiered Storage and Without a Data Lake
- https://www.confluent.io/blog/build-deploy-scalable-machine-learning-production-apache-kafka/
- https://www.confluent.io/blog/predicting-flight-arrivals-with-the-apache-kafka-streams-api/
- https://www.oreilly.com/ideas/apache-kafka-and-the-four-challenges-of-production-machine-learning-systems

Many more blog posts can be found at https://www.confluent.io/blog/