

Message Queue - Learning Materials

Articles & Blogs

- [Kafka vs RabbitMQ vs SQS](#) - Confluent's comparison of messaging systems
- [Event-Driven Architecture](#) - Martin Fowler's comprehensive guide
- [The Log: What every software engineer should know](#) - LinkedIn's foundational article on log-based systems
- [Event Sourcing Pattern](#) - Microsoft's pattern documentation
- [CQRS Pattern](#) - Martin Fowler's explanation of CQRS

Videos

- [Kafka Internals](#) - Deep dive into Kafka architecture
- [Event-Driven Microservices](#) - Chris Richardson on event-driven patterns
- [Choreography vs Orchestration](#) - ByteByteGo's visual comparison

Technical Documentation

- [Apache Kafka Documentation](#) - Official Kafka docs
- [RabbitMQ Tutorials](#) - Official RabbitMQ getting started
- [Amazon SQS Developer Guide](#) - AWS SQS documentation

Key Concepts to Explore

- Message delivery guarantees (at-most-once, at-least-once, exactly-once)
- Consumer groups and partitioning
- Dead letter queues and poison message handling
- Saga pattern for distributed transactions

- Event schema evolution and compatibility