GALILEU

Big Data with Apache Kafka

Tecnologias de Informação - Data & Analytics

- **Nível:**
- **Duração:** 18h

Sobre o curso

This course will explore the basic concepts of messaging systems, introduction to point to point messaging, publish – subscribe messaging, principles of Apache Kafka Server installation, operations and then it will walk you through the deployment of Kafka cluster in single node and multi node mode. Finally, we will conclude with producer application and consumer application and later I add real-time applications and integration with Big Data Technologies.

Destinatários

- System Engineers
- Scientists
- Computer Analyst
- Software Developers
- IT managers
- CIO/CTO

Objetivos

- Master in Apache Kafka Server concepts
- Able to Install and setup Kafka servers from start to end
- Produce and receive messages to/from Kafka and related servers
- Able to decide where and when to use Kafka
- Can work on Kafka cluster/ multi node instances
- Manage real-time applications and integration with Big Data Technologies.

Pré-requisitos

- English Knowledge
- Computer skills
- Essential programming knowledge

Programa

- Introduction & Getting Started
- Apache Kafka – Introduction
- Apache Kafka – Fundamentals & Architecture
- Kafka – Work Flow
- Apache Kafka – Installation
- Apache Kafka – Zookeeper Role
- Apache Kafka – Basic Operations
- Console Producer & Consumer
- Kafka Internals
- Apache Kafka – Multi Node Cluster
- Apache Kafka – API's
- Apache Kafka – Simple Producer
- Apache Kafka – Simple Consumer
- Building Data Pipelines
- Avro Schemas
- Monitoring Kafka
- Confluent Registry
- Confluent REST Proxy