

Kafka Monitoring Setup with Prometheus and Grafana

Prerequisites: Basic knowledge of Kafka

Duration: 1 Day (8 Hrs./Day)

Course Objective: This intensive one-day course is designed to provide participants with the knowledge and practical skills needed to monitor Apache Kafka using Prometheus and Grafana. By the end of the course, participants will be proficient in setting up and configuring monitoring tools, creating informative dashboards, and effectively observing Kafka cluster health and performance.

Apache Kafka version: Latest.

Lab Requirement: Koenig DC/Linux (CentOS 9) (customizable).

Module 1 - Kafka Monitoring Setup with Prometheus

Overview of Monitoring

Lab: Setting up Prometheus + Kafka Broker 1

Lab: Broker 2 & 3 Prometheus Setup

Lab: KRaft & Prometheus Setup

Module 2 - Kafka Monitoring Setup with Grafana

Overview of Monitoring

Lab: Setup Grafana on Administration Server

Lab: Setup Kafka Dashboard on Grafana

Lab: Adding Graphs to Grafana

Lab: Adding more graphs to Grafana

Lab: Observing Grafana when we kill a broker