

# 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