

Introduction to AI/ML Toolkits with Kubeflow (LFS147)

By the end of this course, you will understand Kubeflow's architecture and key components and know how to prepare data, model training, serving, and management within Kubeflow.

Duration: 1.5 Days

Prerequisites for this course

In order to complete this course, learners should be able to:

- Experience with cloud computing
- Familiarity with DevOps and cloud native principles
- Basic programming experience
- Experience with technical documentation
- Experience with open-source projects in general.
- Basic understanding of Kubernetes might be helpful but not necessary.

Outline for this course

Chapter 1 - The Model Application Relationship and the Power of Reproducibility

Chapter 2 - The Model Development Lifecycle

Chapter 3 - MLOPs and the Rise of the Machine Learning Toolkit

Chapter 4 - The Origin of Kubeflow

Chapter 5 - Kubeflow Distributions

Chapter 6 - The Kubeflow Dashboard and Notebooks

Chapter 7 - The Unified Training Operator and Machine Learning

Chapter 8 - Kubeflow Pipelines

Chapter 9 - Conquering Katib

Chapter 10 - Common Kubeflow Integrations