Introduction to Serverless on Kubernetes (LFS157)

Learn how to build serverless functions that can run on any cloud, without being restricted by limits on the execution duration, languages available, or the size of your code. This course is designed to give you an overview of how a serverless approach works in tandem with a Kubernetes cluster.

Duration: 2 Days

Prerequisites for this course

- A basic knowledge of CLI tools and Linux administration
- Some experience of the Python programming language
- Experience with Kubernetes. If you are a novice Kubernetes user, we highly recommend you take the Introduction to Kubernetes (LFS158x) MOOC on edX
- A basic understanding of how Docker and containers work

Outline for this course

Chapter 1 – Introduction to Serverless

Chapter 2 – State of Serverless in CNCF

Chapter 3 – OpenFaaS

Chapter 4 – Setting Up Kubernetes and OpenFaaS

Chapter 5 – OpenFaaS Features

Chapter 6 – Create Your First Function with Python

Chapter 7 – Configuring a Function

Chapter 8 – Operating Serverless

Chapter 9 – Taking It Further