



Consulting
& Training

Introduction to Serverless on Kubernetes (LFS157x)

FORMACIÓN OFICIAL CERTIFICADA



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Duración

14 Horas



Modalidad

Aula Virtual



**Learning
by doing**



**Curso
Oficial**

Próximas convocatorias



Para reservar tu plaza, déjanos tus datos utilizando el formulario.

Acerca de:

This course will help you understand what serverless is starting with an overview of the CNCF landscape around serverless technologies. You'll learn how serverless can be made portable through the use of the Serverless 2.0 definition and Kubernetes, and explore the OpenFaaS toolchain, including: UI, CLI and REST API.

You'll also learn about the OpenFaaS ecosystem, including the template store and function store for sharing functions and code templates.

The course explores how to operate OpenFaaS with autoscaling, metrics, dashboards, upgrades, custom URLs, and versioning.



Dirigido a:

The course is designed for developers and IT operators interested in exploring new approaches for building software, who prefer being able to set their own limits when it comes to things such as timeouts and choice of programming languages.

Before enrolling, students should have an understanding of cloud and container technologies – including Kubernetes – as well as experience with Python.

Objetivos:

This course is designed to show you how a serverless approach works in tandem with a Kubernetes cluster, and help you discover the potential of serverless functions.

By the end of the course you will be able to build functions using Python, configure them, and use secrets, as well as to add dependencies via pip, and learn how to build native extensions. You will also know how to expose functions securely on the Internet with TLS, and secure them with authentication.

Requisitos:

Before taking this course, you should be familiar with:

- 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

The recommended configuration of a development environment for the course is the following:

- Ubuntu 18.04
- 8 GB RAM
- 2 CPU cores

The hands-on exercises have also been tested on Mac OS and Windows 10 operating systems.

Material del curso:

- Documentación Oficial de This course Introduction to Serverless on Kubernetes (LFS157x)





Perfil del docente:

- Formador Certificado por The linux Foundation
- Más de 5 años de experiencia profesional
- Más de 4 años de experiencia docente
- Profesional activo en empresas del sector IT

Metodología:

- “Learning by doing” se centra en un contexto real y concreto, buscando un aprendizaje en equipo para la resolución de problemas en el sector empresarial.
- Aulas con grupos reducidos para que el profesional adquiriera la mejor atención por parte de nuestros instructores profesionales.
- El programa de estudios como partners oficiales es confeccionado por nuestro equipo de formación y revisado por las marcas de referencia en el sector.
- La impartición de las clases podrá ser realizada tanto en modalidad Presencial como Virtual.

Examen y Certificación:

Preparation for the exam: [Linux Foundation Certified System Administrator \(LFCS\)](#)





Contenidos:

Module 1: Introduction to Serverless

Module 2: TARS Environment Setup

Module 3: OpenFaaS

Module 4: Setting Up Kubernetes and OpenFaaS

Module 5: OpenFaaS Features

Module 6: Create Your First Function with Python

Module 7: Configuring a Function

Module 8: Operating Serverless

Module 9: Taking It Further

Final Exam(Verified Track only)





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Centro examinador



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