

Kubernetes Fundamentals

(20 horas)

Objectives:

This course will teach you how to use the container management platform used by companies like Google to manage their application infrastructure. You'll learn:

- α Kubernetes architecture
- α Deployment
- α How to access the cluster
- α Secrets and ConfigMaps

Adressed to:

Developers and system administrators who want to learn how to deploy and administrate Kubernetes.

Previous requirements:

To get the most out of this course, you should have basic Linux command line skills and at least some knowledge of linux containers (e.g. Docker)

Contents:

- α Introduction
- α Basics of Kubernetes
- α Kubernetes Architecture
- α Installation and Configuration
- α API Objects
- α Managing State with Deployments
- α Services
- α Volumes and Data
- α Ingress
- α Scheduling
- α Logging and Troubleshooting
- α Custom Resource Definitions
- α Replica Set y Replication Controller
- α Deployment
- α Rolling Update
- α Kubernetes Traefik