

Kubernetes Foundation

Group Training

Training code	CGAKUBEFCD
Spoken Language	Dutch
Language Materials	Dutch
Dayparts	6
Price	€2.250,00 excl. VAT No extra costs.

What is Kubernetes Foundation

Kubernetes is an open-source container-orchestration system for automating computer application deployment, scaling, and management. Originally designed by Google and now maintained by the Cloud Native Computing Foundation, it aims to provide a platform for automating deployment, scaling, and operations of application containers across clusters of hosts. It works with a range of container tools, including Docker. Many cloud services offer a Kubernetes-based platform or infrastructure as a service (PaaS or IaaS) on which Kubernetes can be deployed as a platform-providing service, such as AKS (Azure Kubernetes Service) or EKS (Amazon Elastic Kubernetes Service). Kubernetes gives you the ability to have a completely virtualized environment where you can orchestrate everything you need for your microservice applications. It is the answer to problems related to environments that need to be configured each time and separate operating systems that need to be installed and managed. It greatly improves the agility of your projects. Do you want to know more? Enroll for this training!

Who should attend Kubernetes Foundation

- DevOps Engineers: Looking to streamline deployment processes and manage containerized applications.
- System Administrators: Wanting to automate and manage large-scale deployments.
- Software Developers: Interested in deploying and managing their applications in a containerized environment.
- IT Managers: Aiming to understand the benefits and implementation of Kubernetes in their infrastructure.
- Cloud Architects: Planning to design and implement Kubernetes-based solutions.
- Technical Leads: Seeking to lead their teams in adopting Kubernetes for better project agility.
- Network Engineers: Looking to integrate Kubernetes with existing network infrastructure.
- Security Professionals: Wanting to secure containerized applications and Kubernetes clusters.



- Consultants: Advising clients on the best practices for container orchestration.
- Students and Enthusiasts: Eager to learn about the latest in container orchestration technology.

Prerequisites

Basic understanding of containerization concepts and experience with Docker. Familiarity with command-line interfaces and basic networking concepts is recommended.

Objectives

At the end of the training you will be able to:

- Describe the basics of Kubernetes
- Deploy simple apps with Docker and Kubernetes
- Run containers in Kubernetes
- Deploy managed pods
- Allow clients to communicate with pods
- Connect disk storage to containers
- Configure applications

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