

# Container Fundamentals (CFUN)

ID CFUN Price on request Duration 1 day

## Course Overview

Before embarking on your Kubernetes or OpenShift journey, you must have Linux container technologies under your belt! This course covers all essential container topics enabling you to effectively use Kubernetes.

Students learn how to architect their applications to run in containers. In addition, students explore Linux container infrastructure and deploy a variety of workloads in guided labs. The course also covers how to build secure images and integrate that process into a CI/CD pipeline.

- Getting Started with Containers
- Lifecycle of a Container
- Lab 1: Running the First Container
- Understanding Immutable Infrastructure
- Building Docker Images
- Shipping and Sharing Images
- Lab 2: Building, Shipping and Running a Containerized Application
- A Container-Centric CD Pipeline
- Optional Advanced Topic: Mastering Images, Namespaces, cgroups, OverlayFS

## Who should attend

This course is intended for:

- Solutions architects
- Software developers
- Technical managers

## Prerequisites

Basic Linux skills recommended

## Course Objectives

In this course, you will learn to:

- Run applications as containers.
- Build container images.
- Share images between different environments.
- Leverage container technologies to make your applications scalable, reliable, and highly available.
- Adopt security best practices for containers and container images.

## Course Content

- Brief Container History

# About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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- ✓ Digital Learning Solutions
- ✓ Content Development
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## Training Methods

- ✓ Classroom Training
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

## Technologies & Solutions

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