

# Introduction to Containers, Kubernetes, and OpenShift

**Duration:** 3 Days · **Training format:** Virtual Classroom / Online

## Description

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Introduction to Containers, Kubernetes, and OpenShift introduces building and managing Docker containers for deployment on a Kubernetes cluster. This course helps students build core knowledge and skills in managing containers through hands-on experience with Docker, Kubernetes, and Red Hat OpenShift Container Platform.

### At the end of the course Delegates will

- Understand container, Docker, and Red Hat OpenShift architecture.
- Create containerized services.
- Manage containers and container images.
- Create custom container images.
- Deploy containerized applications on Red Hat OpenShift.
- Deploy multi-container applications.

### Audience

Developers who wish to containerize software applications

Administrators who are new to container technology and container orchestration

Architects who are considering using container technologies in software architectures

## Outline

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Introduction

Get started with container technology

Create containerized services

Manage containers

Manage container images

Create custom container images

Deploy containerized applications on Red Hat OpenShift

Deploy multi-container applications

Troubleshoot containerized applications

Comprehensive review of Introduction to Container, Kubernetes, and Red Hat OpenShift

## Prerequisites

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There are no prerequisites for this course.