

Introduction to Containers, Kubernetes, and OpenShift

Description

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

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

There are no prerequisites for this course.