Deploying Containerized Applications Technical Overview

Course code: DO0080

An overview of deploying applications and containers.Deploying Containerized Applications Technical Overview (D0080) is a series of on-demand, online videos that introduces you to Linux® containers and container orchestration technology using Docker, Kubernetes, and Red Hat® OpenShift Container Platform. In this series of short lectures and in-depth demonstrations, you will learn about the concepts of containerization—and see it in action. Learn about containerizing applications and services, testing them using Docker, and deploying them on a Kubernetes cluster using Red Hat OpenShift. You will also learn how to build and deploy an application from source code using the Source-to-Image facility of OpenShift.

Who is the course for

Anyone interested in learning the value of container technology, containerizing applications, and deploying them at scale

on a Kubernetes cluster.

What we teach you

Introduction to containers

- Video 1. Course introduction: overview of deploying containerized applications
- Video 2. Overview of container architecture
- Video 3. Overview of Docker architecture

Video 4. Overview Kubernetes and Red Hat OpenShift architecture Deploying containerized applications (with demonstrations)

- Video 5. Provisioning a database server
- Video 6. Building custom container images with Dockerfile
- Video 7. Creating basic Kubernetes resources
- Video 8. Creating applications with the source-to-image (S2I) facility
- Video 9. Creating routes
- Video 10. Creating applications with Red Hat OpenShift web console

Required skills

There are no prerequisites for this course.

Teaching materials

Red Hat guide book for this course.

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