

Introduction to OpenShift Applications (DO101)

Duration: 2 Days

Course Overview: Red Hat® OpenShift® Container Platform is a containerized application platform that allows enterprises to accelerate and streamline application development, delivery, and deployment on-premise or in the cloud. As OpenShift and Kubernetes continue to become widely adopted, developers are increasingly required to understand how to develop, build, and deploy applications with a containerized application platform. While some developers are interested in managing the underlying infrastructure, most developers want to focus on developing applications and using OpenShift for its simple building, deployment, and scaling capabilities.

Hands-On Format: This hands-on class is approximately 80/20 lab to lecture ratio, combining engaging lecture, demos, group activities and discussions with comprehensive machine-based practical programming labs and project work.

Chapter 1: Configuring a Cloud Application Developer Environment

Developing Applications with Visual Studio Code
Initializing a Git Repository
Managing Application Source Code with Git

Chapter 2: Configuring Application Builds in OpenShift

Deploying an Application to Red Hat OpenShift Container Platform

Chapter 3: Configuring Application Builds in OpenShift

Updating an Application
Configuring Application Secrets
Connecting an Application to a Database

Chapter 4: Scaling Application in OpenShift

Scaling an Application

Chapter 5: Troubleshooting Applications in OpenShift

Troubleshooting and Fixing an Application