

## 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