DO180-Red Hat OpenShift Administration I: Containers & Kubernetes

Course 8863 – 40 Hours

Live virtual Classroom in English

Overview

Red Hat OpenShift Administration I: Managing Containers and Kubernetes (DO180) prepares OpenShift cluster administrators to manage Kubernetes workloads and to collaborate with developers, DevOps engineers, system administrators, and SREs to ensure the availability of application workloads. This course focuses on managing typical end-user applications that are often accessible from a web or mobile UI and that represent most cloud-native and containerized workloads. Managing applications also includes deploying and updating their dependencies, such as databases, messaging, and authentication systems.

The skills that you learn in this course apply to all versions of OpenShift, including Red Hat OpenShift on AWS (ROSA), Azure Red Hat OpenShift, and OpenShift Container Platform.

This course is based on Red Hat OpenShift 4.12.

Who Should Attend?

- System administrators and platform operators who are interested in managing OpenShift clusters and containerized applications.
- Site Reliability Engineers who are interested in maintaining and troubleshooting containerized applications on Kubernetes.
- System and software architects who are interested in learning and using the features and functions of an OpenShift cluster.

Developers and Site Reliability Engineers that are new to container technology should enroll in Red Hat OpenShift Development I: Introduction to Containers with Podman (DO188)

Prerequisites

Course Graduates, Containers, Kubernetes and Red Hat OpenShift Technical overview or equivalent knowledge of Linux containers

Course Contents

- Managing OpenShift clusters from the command-line interface and from the web console.
- Troubleshooting network connectivity between applications inside and outside an OpenShift cluster.
- Connecting Kubernetes workloads to storage for application data.
- Configuring Kubernetes workloads for high availability and reliability.
- Managing updates to container images, settings, and Kubernetes manifests of an application.