Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster

Code:	DO280
Length:	3 days
URL:	[View Online](#)

Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) prepares OpenShift Cluster Administrators to perform daily administration tasks on clusters that host applications provided by internal teams and external vendors, enable self-service for cluster users with different roles, and deploy applications that require special permissions such as such as CI/CD tooling, performance monitoring, and security scanners. This course focuses on configuring multi-tenancy and security features of OpenShift as well as managing OpenShift add-ons based on operators.

The skills you learn in this course can be applied using all versions of OpenShift, including Red Hat OpenShift on AWS (ROSA), Azure Red Hat OpenShift, and OpenShift Container Platform.

This course is based on OpenShift Container Platform 4.12.

Skills Gained

- Deploying packaged applications using manifests, templates, kustomize, and helm.
- Configuring authentication and authorization for users and applications.
- Protecting network traffic with network policies and exposing applications with proper network access.
- Deploying and managing applications using resources manifests.
- Enabling developer self-service of application projects.
- Managing OpenShift cluster updates and Kubernetes operator updates.

Who Can Benefit

- System Administrators and Platform Operators interested in the ongoing management of OpenShift clusters, applications, users, and add-ons.
- Site Reliability Engineers interested in the ongoing maintenance and troubleshooting of Kubernetes clusters.
- System and Software Architects interested in understanding the security of an OpenShift cluster.

Prerequisites

- Take our free assessment to gauge whether this offering is the best fit for your skills.

- Prerequisite: Red Hat OpenShift I: Containers & Kubernetes (DO180 v4.12), or equivalent skills deploying and managing Kubernetes applications using the OpenShift web console and command-line interfaces.

Course Details

Course Outline

- Declarative Resource Management

- Deploy Packaged Applications

- Authentication and Authorization

- Network Security

- Expose non-HTTP/SNI Applications

- Enable Developer Self-Service

- Manage Kubernetes Operators

- Application Security

- OpenShift Updates

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