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Learning Style: Virtual Classroom

Technology: Red Hat

Difficulty: Intermediate

Course Duration: 5 Days

Red Hat OpenShift Administration II: Configuring a Production Cluster (DO280VT)



About this course:

OpenShift is a containerized application platform that allows enterprises to manage container deployments and scale their applications using Kubernetes. OpenShift provides predefined application environments and builds upon Kubernetes to provide support for DevOps principles such as reduced time to market, infrastructure-as-code, continuous integration (CI), and continuous delivery (CD).

The average salary of a Red Hat Software Engineer salary is **$87,078** per year.

Course Objective:

- Install an OpenShift Container Platform cluster
- Configure and manage masters and nodes
- Secure OpenShift
- Control access to resources on OpenShift
- Monitor and collect metrics on OpenShift
- Deploy applications on OpenShift Platform Container using Source-to-Image (S2I)
- Manage storage on OpenShift

Audience:

- This course is designed for system administrators, system architects, and developers who want to install and configure Red Hat OpenShift Container Platform.

Prerequisite:

- Become a Red Hat Certified System Administrator, or demonstrate equivalent Red Hat Enterprise Linux system administration experience
- Complete Introduction to Containers, Kubernetes, and Red Hat OpenShift (DO180), or demonstrate equivalent experience with containers, Kubernetes, and OpenShift basics

Course Outline:

Introduction to Red Hat OpenShift Container Platform

List the features and describe the architecture of the Openshift Container Platform.

Install OpenShift Container Platform

Install OpenShift and configure the cluster.

Explore OpenShift networking concepts

Describe and explore OpenShift networking concepts.

Execute commands

Execute commands using the command-line interface.

Manage OpenShift resources

Control access to OpenShift resources.

Allocate persistent storage

Implement persistent storage.

Manage application deployments

Manipulate resources to manage deployed applications.

Metrics subsystem

Install and configure the metrics-gathering system.

Manage and monitor

Manage and monitor OpenShift resources and software.

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