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Red Hat

Business Partner
Training

Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise

Code: DO380
Length: 4 days
URL: View Online

Red Hat OpenShift Administration II teaches you how to build robust clusters that provide high availability and the ability to run large numbers of applications. You will learn about OpenShift integration with datacenter infrastructure such as load balancers, identity management, monitoring, proxies, and storage. You will also develop more troubleshooting and Day 2 operations skills in this course. This course is based on Red Hat® OpenShift Container Platform 3.6.

Skills Gained

- Learn OpenShift cluster features, architecture, and sizing.
- Investigate OpenShift cluster installation methods.
- Configure storage providers and storage classes.
- Manage OpenShift certificates.
- Configure GlusterFS container-native storage.
- Diagnose cluster health.
- Scale OpenShift clusters.
- Manage OpenShift resources.

Who Can Benefit

This course is designed for Linux® system administrators who want to deploy and manage a large-scale Red Hat® OpenShift Container Platform environment in their datacenters.

Prerequisites

- Become a Red Hat Certified System Administrator, or demonstrate equivalent experience
- Attend Introduction to Containers, Kubernetes, and Red Hat OpenShift (DO180) or demonstrate equivalent experience with containers, Kubernetes, and OpenShift
- Attend Red Hat OpenShift Administration I (DO280) or demonstrate equivalent experience with OpenShift
- Recommended, but not required: become a Red Hat Certified Specialist in OpenShift Administration (EX280)

Course Details

Design a highly available cluster

- Design an OpenShift cluster that supports high availability and resiliency.

Prepare to install an HA cluster

- Configure the advanced installer and prepare the cluster environment for HA installation.

Configure OpenShift to use custom certificates

- Configure the OpenShift cluster to use custom certificates.

Build an HA cluster

- Use the advanced installation method to build an HA OpenShift cluster.

Provision persistent storage

- Describe storage providers, configure a provider, create a storage class, and test the configuration.

Enable log aggregation

- Consolidate useful data for analysis by enabling the log aggregation feature.

Maintain an OpenShift cluster

- Perform recurring maintenance activities on an OpenShift cluster.

Manage system resources

- Manage operating system and cluster resources for optimal performance.

Configure security providers

- Configure security providers and advanced security options.

Configure networking options

- Configure various advanced networking features and options.

Schedule (as of 4)

Date	Location	
Dec 7, 2020 – Dec 11, 2020	Virtual	Enroll
Feb 1, 2021 – Feb 5, 2021	Virtual	Enroll
Feb 22, 2021 – Feb 26, 2021	Virtual	Enroll
Mar 29, 2021 – Apr 2, 2021	Virtual	Enroll
Apr 26, 2021 – Apr 30, 2021	Virtual	Enroll
May 24, 2021 – May 28, 2021	Virtual	Enroll

Jun 28, 2021 – Jul 2, 2021	Virtual	Enroll