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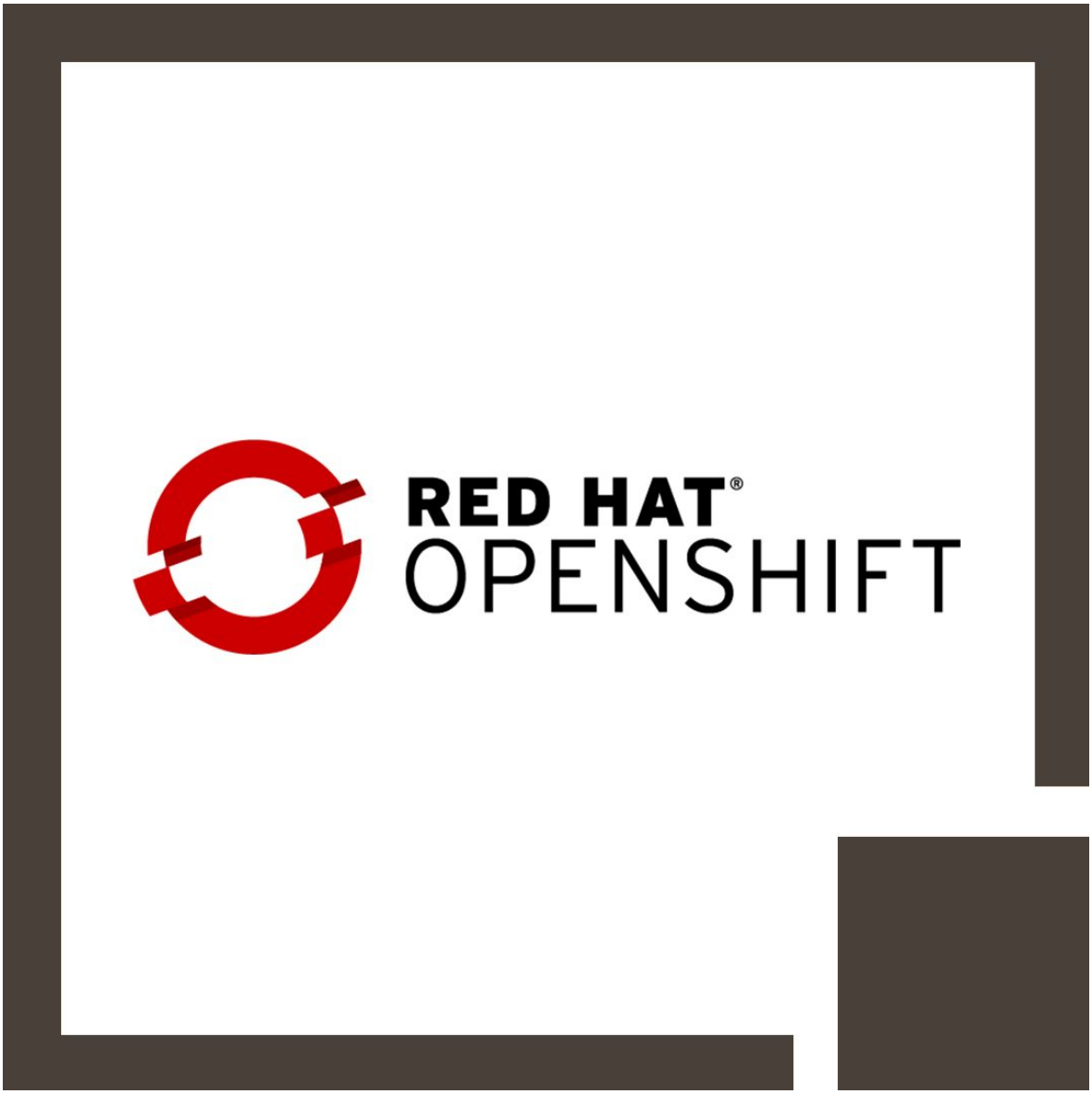
Learning Style: Virtual Classroom

Technology: Red Hat

Difficulty: Intermediate

Course Duration: 5 Days

Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise (DO380VT)



About this course:

This course is about designing and developing the cluster. In this course, you will learn how to design an OpenShift HA cluster, and then, how to develop that design in a proper cluster and test it afterwards. This course is about using the cluster for advance motives for the administration department. You will also learn how to operate a huge and strong OpenShift cluster in the remaining lessons.

On average, a Red Hat Engineer earns $87,078 per annum.

Learning Objectives:

The course has the following learning objectives:

- Learning about the OpenShift cluster components, structure, and sizing
- Digging out different OpenShift installation techniques
- Setting up storage sources and storage sectors
- Regulating OpenShift certificates
- Setting up GlusterFS container-native storage
- Investigating cluster health
- Scaling OpenShift clusters
- Regulating OpenShift resources

Audience:

This course will be essentially helpful for those Linux system administrators who want to learn about the installation method and regulating techniques for a wide ranging Red Hat® OpenShift Container Platform database in their workforce environment.

Requirements:

Red Hat has made some recommendations, as to what will be helpful for you to have before taking this course. This includes firstly that either you have the certification of Red Hat Certified System Administrator course or you must be having relevant experience in the field to make up for it. Secondly, you have either received an introductory session on Containers, Kubernetes, and Red Hat OpenShift (DO180) or you give practical demonstration of skills in the mentioned relevant fields. Thirdly, either you have already taken the first part of this course i.e. Red Hat OpenShift Administration I (DO280) or you show demonstration of sound knowledge in the said field. Lastly, it is recommended but not required that you have certification in Red Hat Certified Specialist in OpenShift Administration (EX280) field.

Course Outline:

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.

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