OpenShift Enterprise Administration

Duration: 3 Days   Course Code: DO280

Overview:

OpenShift Enterprise is a key technology in Red Hat's DevOps story. Using PaaS has proven to accelerate time to market for many organizations. This course provides the knowledge to take advantage of the platform in a popular DevOps environment.
In this course, students will learn how to install and configure an instance of OpenShift Enterprise, test the instance by deploying a real world application, and manage projects/applications through hands-on labs.

Target Audience:

This course is designed for system administrators responsible for creating OpenShift Enterprise instances, deploying applications, creating process customizations, managing instances and projects.

Objectives:

- **Learn to install, configure, and manage OpenShift Enterprise by Red Hat instances**

- OpenShift Enterprise Administration (DO280) prepares the system administrator to install, configure, and manage OpenShift Enterprise by Red Hat® instances. OpenShift Enterprise, Red Hat's platform-as-a-service (PaaS) offering, provides pre-defined deployment environments for applications of all types through its use of container technology. This creates an environment that supports DevOps principles such as reduced time to market and continuous delivery.

Prerequisites:

- Have taken Managing Containers with Red Hat Enterprise Linux Atomic Host (RH270) for a deeper understanding of the architecture used by OpenShift, or equivalent experience
- Have taken Red Hat Enterprise Linux Administration I and II (RH124 and RH134), or equivalent Red Hat Enterprise Linux® system administration experience
- Be certified as a Red Hat Certified System Administrator (RHCSA), or equivalent Red Hat Enterprise Linux system administration experience
- Be certified as a Red Hat Certified Engineer (RHCE®)

Content:

Course content summary

- Container concepts
- Configuring resources with the command line interface
- Building a pod
- Enabling services for a pod
- Creating routes
- Downloading and configuring images
- Rolling back and activating deployments
- Creating custom S2I images

Course Outline

Introduction to Red Hat OpenShift Enterprise

Review features and architecture of OpenShift Enterprise.

Install OpenShift Enterprise

Install OpenShift Enterprise and configure a master and node.

Execute commands

Execute commands using the command line interface.

Build applications

Create, build, and deploy applications to an OpenShift Enterprise instance.

Persistent storage

Provision persistent storage and use it for the internal registry.

Build applications with source-to-image (S2I)

Create and build applications with S2I and templates.

Manage the system

Use OpenShift Enterprise components to manage deployed applications.

Customize OpenShift Enterprise

Customize resources and processes used by OpenShift Enterprise.

Comprehensive review

Practice and demonstrate knowledge and skills learned in the course.

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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