Red Hat OpenShift I: Containers & Kubernetes – DO180

This course is based on Red Hat OpenShift Container Platform 4.5.

Outline for this course

Introduce container technology
Describe how software can run in containers orchestrated by Red Hat OpenShift Container Platform.

Create containerized services
Provision a server using container technology.

Manage containers
Manipulate pre-built container images to create and manage containerized services.

Manage container images
Govern the life cycle of a container image from creation to deletion.

Create custom container images
Design and code a Docker file to build a custom container image.

Deploy containerized applications on Red Hat OpenShift
Use single container applications on Red Hat OpenShift Container Platform.

Deploy multi-container applications
Set up applications that are containerized using multiple container images.

Troubleshoot containerized applications
Regulate a containerized application deployed on Red Hat OpenShift.

Comprehensive review of curriculum
Demonstrate how to containerize a software application, test it with Podman, and deploy it on a Red Hat OpenShift cluster.