

DO180

Red Hat OpenShift I: Containers & Kubernetes

- **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.