



## DO180 - Introduction to Containers, Kubernetes, and Red Hat OpenShift

- **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.