DO288

Red Hat OpenShift Development II: Containerizing Applications

- **Deploy and manage applications on an OpenShift cluster**

  Deploy applications using various application packaging methods to an OpenShift cluster and manage their resources.

- **Design containerized applications for OpenShift**

  Select a containerization method for an application and create a container to run on an OpenShift cluster.

- **Publish enterprise container images**

  Create an enterprise registry and publish container images to it.

- **Manage building applications**

  Describe the OpenShift build process, in addition to triggering and managing builds.

- **Customize source-to-image builds**

  Customize an existing S2I base image and create a new one.

- **Create applications from OpenShift templates**
  Describe the elements of a template and create a multicontainer application template.

- **Manage application deployments**
  Monitor application health and implement various deployment methods for cloud-native applications.

- **Implement CI/CD pipelines in OpenShift**
  Create and deploy Jenkins pipelines to facilitate continuous integration and continuous deployment (CI/CD) with OpenShift.

- **Build cloud-native applications on OpenShift**
  Create and deploy cloud-native applications on OpenShift.