

# Red Hat OpenShift Developer II: Building Kubernetes Applications (DO288)

## Outline for this course

### **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 builds on OpenShift**

- 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.

### **Deploy multi-container applications**

- Deploy multi-container applications using Helm charts and Kustomize.

### **Manage application deployments**

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

### **Build applications for OpenShift**

- Create, deploy, and integrate third-party applications on OpenShift.