



## **Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster ( DO280 )**

### **Declarative Resource Management**

Deploy and update applications from resource manifests that are parameterized for different target environments.

### **Deploy Packaged Applications**

Deploy and update applications from resource manifests that are packaged for sharing and distribution.

### **Authentication and Authorization**

Configure authentication with the HTTPasswd identity provider and assign roles to users and groups.

### **Network Security**

Protect network traffic between applications inside and outside the cluster.

### **Expose non-HTTP/SNI Applications**

Expose applications to external access without using an Ingress controller.

### **Enable Developer Self-Service**

Configure clusters for safe self-service by developers from multiple teams and disallow self-service if projects have to be provisioned by the operations staff.

### **Manage Kubernetes Operators**

Install and update Operators that are managed by the Operator Lifecycle Manager and by the Cluster Version Operator.

### **Application Security**

Run applications that require elevated or special privileges from the host Operating System or Kubernetes.



## **OpenShift Updates**

Update an OpenShift cluster and minimize disruption to deployed applications.

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