



# Red Hat OpenShift Administration I: Containers & Kubernetes ( DO180 )

## Introduction to Kubernetes and OpenShift

Identify the main Kubernetes cluster services and OpenShift platform services, and monitor them from the web console.

## Kubernetes and OpenShift Command-Line Interfaces and APIs

Access an OpenShift cluster from the command line, and query its Kubernetes API resources to assess the health of a cluster.

## Run Applications as Containers and Pods

Run and troubleshoot containerized applications as unmanaged Kubernetes pods.

## Deploy Managed and Networked Applications on Kubernetes

Deploy applications and expose them to network access from inside and outside a Kubernetes cluster.

## Manage Storage for Application Configuration and Data

Externalize application configurations in Kubernetes resources, and provision storage volumes for persistent data files.

## Configure Applications for Reliability

Configure applications to work with Kubernetes for high availability and resilience.

## Manage Application Updates

Manage reproducible application updates and rollbacks of code and configurations.



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## Contact Us

**ipsr solutions limited**

**Merchant's Association Building**

**M.L. Road, Kottayam - 686001**

**Kerala, India**

**Phone: +91 481-2301085**

**Mobile: +91 9447294635 | +91 94471 69776**

**Email: [training@ipsrsolutions.com](mailto:training@ipsrsolutions.com)**

**Website: <https://www.ipsr.org/>**

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