

OPENSIFT ADMINISTRATION COURSE

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DURATION : 5 DAYS

Course content summary

- Understand container and OpenShift architecture.
- Create containerized services.
- Manage containers and container images.
- Create custom container images.
- Deploy containerized applications on Red Hat OpenShift.
- Deploy multi-container applications.

Outline for this course

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.

Describe the Red Hat OpenShift Container Platform

Learn the components of Red Hat OpenShift Container Platform and how they interact.

Verify a Cluster

Verify a cluster is installed and healthy.

Configure Authentication

Configure authentication with an identity provider.

Control Access to OpenShift Resources

Define and apply role-based access controls and protect sensitive information with secrets.

Configure OpenShift Networking Components

Identify the components of OpenShift software-defined networking and configure some of the components.

Control Pod Scheduling

Control which nodes a pod runs on.

Scale an OpenShift Cluster

Control the size of an OpenShift cluster.

Perform Cluster Updates

Describe how to perform a cluster update.

Manage the Cluster with the Web Console

Manage the OpenShift cluster using the web console.

Comprehensive Review

Verify, manage, and troubleshoot an OpenShift cluster for enterprise use.

