



2021

OPENSIFT

D0180 - D0280

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PROGRAM OVERVIEW - D0180

Introduction to Containers, Kubernetes, and Red Hat OpenShift (D0180) helps you build core knowledge in managing containers through hands-on experience with containers, Kubernetes, and the Red Hat OpenShift Container Platform. These skills are needed for multiple roles, including developers, administrators, and site reliability engineers.



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Course Content

- 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.



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Course Content

- 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.

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PROGRAM OVERVIEW - D0280

Red Hat OpenShift Administration I (Do280) teaches you how to install and administer the Red Hat OpenShift Container Platform.

This hands-on, lab-based course shows you how to install, configure, and manage OpenShift clusters and deploy sample applications to further understand how developers will use the platform.



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Course Content

- Introduction to Red Hat OpenShift Platform List the features and describe the architecture of the OpenShift Container Platform.
- Install Red Hat OpenShift Container Platform Install OpenShift and configure the cluster.
- Explore Networking in OpenShift Describe and explore OpenShift networking concepts.
- Execute Commands Execute commands using the commandline interface.






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Course Content

- Manage OpenShift Resources
Control access to OpenShift resources.
- Allocate persistent storage
Implement persistent storage.
- Manage application deployments
Manipulate resources to manage deployed applications.
- Metrics Subsystem Install and configure the metricsgathering gathering system.
- Manage & Monitor Manage and monitor OpenShift resources and software.

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