



Openshift
D0180 - D0280

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A R NETWORK NUTS PVT. LTD.
A-184 BHISHMA PITAMAH MARG, KOTLA MUBARAKPUR, NEW DELHI - 110003, INDIA
WWW.NETWORKNUTS.NET | INFO@NETWORKNUTS.NET
+91-9818040117 / +91-9312411592

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.

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 (D0280) 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.

Course Content

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

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 metrics-gathering system.
- Manage & Monitor
Manage and monitor OpenShift resources and software.

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