

# Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation (DO370)

ID DO370 Price CHF 3,780.—(excl. VAT) Duration 4 days

## Who should attend

The intended audience for this course includes:

- Cluster administrators (systems administrators, cloud administrators, cloud engineers)
- Cluster engineers (systems administrators, cloud administrators, cloud engineers)
- Site reliability engineers (SREs)

## This course is part of the following Certifications

Red Hat Certified Specialist in OpenShift Data Foundation (RHCS-OSDF)

## Prerequisites

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- [Red Hat Certified OpenShift Administrator Exam \(EX280\)](#) or equivalent knowledge for the roles of Red Hat OpenShift cluster engineer or SRE.
- [Red Hat Certified System Administrator \(RHCSA\) Exam \(EX200\)](#) or equivalent knowledge of Linux system administration is recommended for all roles.
- While not required, students who have completed [Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise \(DO380\)](#) will have advanced knowledge of the Red Hat OpenShift platform in preparation for implementing and working with Red Hat OpenShift Data Foundation (formerly Red Hat OpenShift Container Storage).
- Basic knowledge of Red Hat Ansible Automation Platform is recommended but not required.
- Basic knowledge of storage technologies, such as disk types, SAN, and NAS is recommended.

## Course Objectives

### Impact on the organization

Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation supports IT operations teams whose organizations are

expanding upon their container adoption journeys. The curriculum enables companies to quickly and automatically provision storage to applications meeting varying requirements crucial to support their organization's digital transformation initiatives and expand their portfolio of containerized applications.

### Impact on the individual

Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation teaches the essential skills required to provision and manage storage that fits the availability and performance requirements of applications, such as:

- Deploying Red Hat OpenShift Data Foundation on a Red Hat OpenShift cluster using local or cloud storage.
- Selecting and configuring storage classes based on workload requirements.
- Monitoring and proactively expanding storage capacity.
- Creating and attaching snapshots and clones of persistent volumes.

### Course Content

- Deploy Red Hat OpenShift Data Foundation in internal and external mode.
- Provision non-shareable block storage to applications like databases.
- Provision shareable block storage to applications like virtual machines.
- Provision shareable file storage to such applications as CI/CD pipelines and AI/ML.
- Provision shareable object storage to applications, such as AI/ML and media streaming.
- Provision storage for Red Hat OpenShift cluster services, such as monitoring and registry.
- Monitor and expand storage capacity and performance
- Attach and detach storage from an application for backup and archiving.
- Create and access volume snapshots and clones.
- Troubleshoot internal Ceph components of Red Hat OpenShift Data Foundation.
- Perform backup and restore operations using the OADP

API.

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## Training Centres worldwide



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