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

ID DO370 **Price** CHF 3,740.—(excl. VAT) **Duration** 3 days

Who should attend

The intended audience for this course includes:

- Primary: Platform Administrators, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for managing and maintaining infrastructure for applications
- Secondary: Enterprise Architects, Site Reliability Engineers, DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications

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 System Administrator in OpenShift 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:

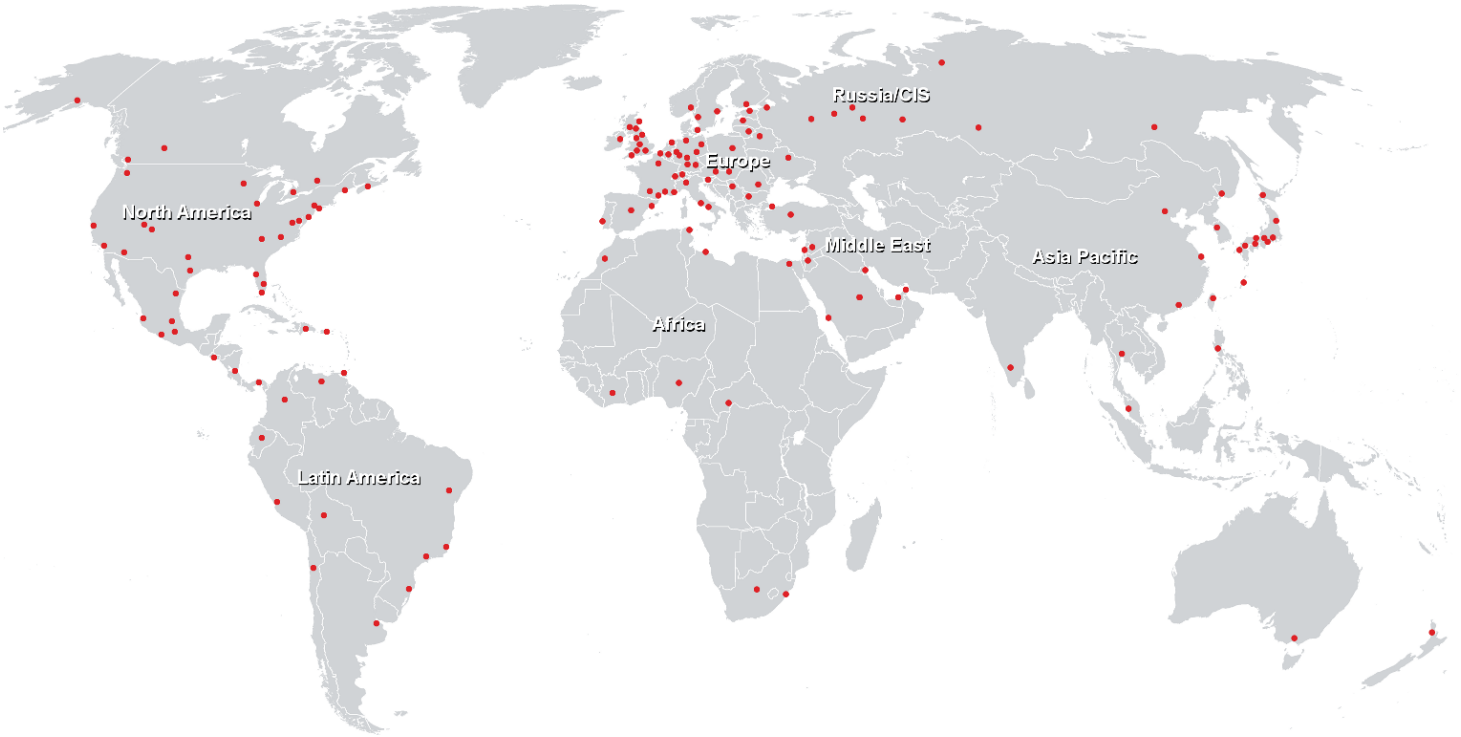
- Deploying Red Hat OpenShift Data Foundation on a Red Hat OpenShift cluster using local or cloud storage.
- Selecting and configuring storage classes based on workload requirements.
- Monitoring and proactively expanding storage capacity.
- Creating and attaching snapshots and clones of persistent volumes.

Course Content

- Describe the OpenShift Data Foundation (ODF) features, and deployment architectures and their relation to Kubernetes storage APIs, and install an ODF cluster on an OpenShift cluster by using the internal mode
- Select and configure ODF storage classes to meet application requirements
- Configure applications to use object storage from ODF
- Configure OpenShift Monitoring, Registry, and Logging to use storage from ODF
- Back up and restore application data by using Kubernetes CSI APIs
- Monitor the storage health metrics of an ODF cluster
- Identify the Ceph storage components for Red Hat OpenShift Data Foundation and troubleshoot common problems and failure scenarios

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Training Centres worldwide





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