Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with Exam (DO371)

Cursusduur: 5 Dagen **Cursuscode: DO371**

Beschrijving:

Learn the essential skills required to design, implement, and manage a Red Hat OpenShift Data Foundation cluster and perform day-to-day Kubernetes storage management tasks.
Traditional storage options available to Kubernetes administrators are limited and lack versatility. Red Hat OpenShift Data Foundation provides real advantages, even when backed by cloud storage such as AWS EBS or legacy datacenter storage arrays. Many companies rely on third-party solutions to manage backup and disaster recovery in production.
However, proper planning to implement these solutions requires knowledge of the Kubernetes CSI and OADP APIs. This course walks the student through the recommended steps of configuring and managing storage services for containers and Kubernetes services.
This package (course + exam) includes and exam voucher and 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.
Note: *Starting January 2026 this bundle (Course + Exam) only exists in CR (classroom) if scheduled or Closed course modalities.*
If you are targeting a virtual class, please consider DO370LS the new RHLS-course subscription which includes as well an exam voucher.
Updated Jan2026

Doelgroep:

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

Doelstelling:

- After this course participants should be able to:
- 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

Vereiste kennis en vaardigheden:

- Red Hat Certified Specialist in OpenShift Administration certification (EX280) or equivalent knowledge for the roles of Red Hat OpenShift cluster engineer or SRE level is expected
- Red Hat Certified Systems Administrator certification (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 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

Examens en certificering

- Red Hat Certified Specialist in OpenShift Data Foundation exam (EX370) - exam voucher included

recommended but not required
- Basic knowledge of storage technologies, such as disk types, SAN, and NAS is recommended

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills Red Hat Skills Assessment

- EX200 - Red Hat Certified System Administrator (RHCSA) exam
- DO280 - Red Hat OpenShift Administration II: Configuring a Production Cluster
- RH134 - Red Hat System Administration II (RHEL 10)
- RH199 - Red Hat Certified System Administrator (RHCSA) Rapid Track course (RH199)

Vervolgcursussen:

- Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise (DO380) is a recommended follow-up for the roles of Red Hat OpenShift Cluster Engineer and SRE
- DO380 - Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise

Cursusinhoud:

- Architecture Overview and Deployment of OpenShift Data Foundation by Using Internal Mode
- Configuring Application Workloads to Use OpenShift Data Foundation File and Block Storage
- Configuring Application Workloads to Use OpenShift Data Foundation Object Storage
- Configuring OpenShift Cluster Services to Use OpenShift Data Foundation
- Backing up and Restoring of Kubernetes Block and File Volumes
- Monitoring OpenShift Data Foundation Storage
- Managing Storage Capacity with OpenShift Data Foundation
- Troubleshooting OpenShift Data Foundation

Extra informatie:

Official course book provided to participants

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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