Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370)

Category: Software Development & Programming | **Vendor:** Red Hat

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Red Hat Certified Specialist in OpenShift Data Foundation
Related Exam:	EX370

Course Overview

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 OAPD APIs. This course walks the student through the recommended steps of configuring and managing storage services for container and Kubernetes services.

The [productink=RH-EX370][/productink] is included in this offering.

Course summary

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- 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.

About This Course

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 OAPD APIs. This course walks the student through the recommended steps of configuring and managing storage services for container and Kubernetes services.

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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)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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.

Detailed Course Outline

- Describing Red Hat OpenShift Data Foundation deployment architectures
- Deploying OpenShift Data Foundation on Red Hat OpenShift using Internal, Converged Mode
- Configuring Red hat OpenShift Cluster Services to use OpenShift Data Foundation
- Configuring application workloads to use OpenShift Data Foundation block and file storage
- Monitoring and expanding OpenShift Data Foundation block and file storage capacity
- Troubleshooting Ceph components from OpenShift Data Foundation
- Expanding OpenShift Data Foundation block and file storage volumes

- Performing backup and restore of OpenShift Data Foundation block and file volumes
- Configuring application workloads to use OpenShift Data Foundation object storage
- Monitoring and expanding OpenShift Data Foundation object storage capacity
- Performing backup and restore of OpenShift Data Foundation object buckets
- Deploying OpenShift Data Foundation on Red Hat OpenShift using external mode

Certification Path

Red Hat Certified Specialist in OpenShift Data Foundation

Exam: EX370

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370) course helps prepare you for the Red Hat Certified Specialist in OpenShift Data Foundation certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the EX370 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370)?

Yes, we provide corporate training, dedicated training, and closed classes for Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370), OpenShift Development, DO371

Q: Why choose Nexus Human for Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation with exam (EX370) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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