Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise with Exam

Duration: 5 Days **Course Code: DO381** **Delivery Method: Company Event**

Overview:

Plan, implement, and manage OpenShift clusters at scale
Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) expands upon the skills required to plan, implement, and manage OpenShift® clusters in the enterprise. You will learn how to configure and manage OpenShift clusters at scale to address increasing and special demands from applications and ensure reliability, performance, and availability.
This course builds upon the essential skills required to configure and manage an OpenShift 4.x cluster, teaching the enhanced skills needed to operate production environments at scale.
This package (course + exam) is based on Red Hat® OpenShift Container Platform 4.14 and includes an exam voucher.
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 DO380LS the new RHLS-course subscription which includes as well an exam voucher.

Updated Jan2026

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

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

Objectives:

- After this course participants should be able to:
- Manage OpenShift cluster operators and add operators.
- Implement GitOps workflows using OpenShift GitOps operator.
- Integrate OpenShift with enterprise authentication.
- Query and visualize cluster-wide logs, metrics, and alerts.
- Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).
- Manage machine pools and machine configurations.

Prerequisites:

This course is an advanced course so prerequsite knowledge is required

- Complete Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster(DO280) and become a Red Hat Certified Specialist in OpenShift Administration or equivalent practice knowledge
- Complete Red Hat System Administration II (RH134) and become a Red Hat Certified System Administrator or equivalent practice knowledge.

Recommended, but not required:

- Become a Red Hat Certified Systems Engineer or a Red Hat Certified Specialist in Ansible Automation.
- Basic knowledge about writing and running Ansible playbooks is desired.

Testing and Certification

- Red Hat Certified Specialist in OpenShift Automation and Integration (EX380) - exam voucher included

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

- DO180 - Red Hat OpenShift Administration I: Operating a Production Cluster
- DO280 - Red Hat OpenShift Administration II: Configuring a Production Cluster

Follow-on-Courses:

- Red Hat OpenShift Installation Lab (DO322)
- Multicluster Management with Red Hat OpenShift Platform Plus (DO480)
- Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation (DO370)
- Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316)
- DO425 - Red Hat Security: Securing Containers and OpenShift

Content:

Authentication and Identity Management

- Configure OpenShift clusters to authenticate by using LDAP and OIDC enterprise identity systems and to recognize groups that those systems define.

Backup, Restore, and Migration of Applications with OADP

- Backup and restore application settings and data with OpenShift APIs for Data Protection (OADP).

Cluster Partitioning

- Configure a subset of cluster nodes to be dedicated to a type of workload.

Pod Scheduling

- Configure workloads to run on a dedicated set of cluster nodes and prevent other workloads from using those cluster nodes.

OpenShift GitOps

- Deploy OpenShift GitOps for managing clusters and applications.

OpenShift Monitoring

- Troubleshoot performance and availability issues with applications and clusters.

OpenShift Logging

- Deploy OpenShift logging and query log entries from workloads and cluster nodes.

Additional Information:

Official course book provided to participants.

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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www.globalknowledge.com/en-be/